Curriculum Vitae

Personal Information

FAMILY NAME, FIRST NAMES	van der Aalst, Willibrordus Martinus Pancratius (Wil)
ACADEMIC TITLES	Univ. Prof. Prof. h. c. Dr. Dr. h. c. Ir.
NATIONALITY	German/Dutch
DATE OF BIRTH	29 January 1966 (Eersel, The Netherlands)
E-MAIL	wvdaalst@pads.rwth-aachen.de
WWW	www.vdaalst.com
ADDRESS	Lehrstuhl für Informatik 9 / Process and Data Science Ahornstr. 55, Gebäude E2, Raum 6321 RWTH Aachen University, D-52074 Aachen, Germany
ORCID	0000-0002-0955-6940 https://orcid.org/0000-0002-0955-6940
SCOPUS	7007153024 https://www.scopus.com/authid/detail.uri?authorId=7007153024
GOOGLE SCHOLAR	aSZYyxIAAAA https://scholar.google.com/citations?user=aSZYyxIAAAAJ

EDUCATION

Sept 1988 - Sept 1992 **Ph.D. in Mathematics**
Eindhoven University of Technology, Eindhoven, The Netherlands
Thesis: “Timed Colored Petri Nets and Their Application to Logistics”
Advisors: prof.dr. J. Wessels and prof.dr. K.M. van Hee

Sept 1984 - Aug 1988 **Bachelor and Master in Computer Science**
Eindhoven University of Technology, Eindhoven, The Netherlands
Master thesis: "Specification and Simulation using ExSpect"

CURRENT POSITIONS

since 2018 **Professor RWTH Aachen University**
RWTH Aachen University, Aachen, Germany

- Chair of the Process and Data Science group (Lehrstuhl für Informatik 9)
- Alexander von Humboldt Professorship
- Co-speaker and Principal Investigator of the DFG Cluster of Excellence - Internet of Production (IoP)
- Chair of the Steering Committee of the RWTH Profile Area ICT
- Founding Director of the RWTH Artificial Intelligence Center

since 2021 **Chief Scientist at Celonis**
Guiding R&D activities, product strategy, and academic alliance, München, Germany

since 2018 **Lead Scientist at Fraunhofer FIT**
Guiding process mining research at Fraunhofer FIT, Sankt Augustin, Germany

OTHER ONGOING (UNPAID) PROFESSIONAL ACTIVITIES

since 2002 **Adjunct Professor QUT**
Queensland University of Technology (QUT), Brisbane, Australia

since 2023 **Member of the LOEWE Advisory Board**
Hessian Ministry of Higher Education, Research and the Arts, Wiesbaden, Germany

since 2022 **Member of the Scientific Advisory Board of Climatiq**
Climatiq Technologies GmbH, Berlin, Germany

since 2024 **Honorary Director of the "Wil van der Aalst Data and Process Science Research Center"** at POSTECH, Pohang, South Korea

since 2026 **Honorary Director of the "Van der Aalst Energy Process Intelligence Laboratory"** at North China Electric Power University, Beijing, China.

ongoing **Membership of Various Steering Committees**

- Member of the steering committee of the International Conference Series on Application and Theory of Petri nets (since 2003)
- Advisory board member of the International Conference Series on Business Process Management

ongoing **Membership of Various Editorial Boards**

- Series Editor of Lecture Notes in Business Information Processing (since 2006)
- Associate editor of Transactions on Petri Nets and Other Models of Concurrency (since 2008)
- Member of the advisory board of Distributed and Parallel Databases (since 2017)
- Associate editor of Computers in Industry (since 2000)
- Member of the senior editorial board of the Annals of Computer Science and Information Systems (ACSIS) (since 2015)
- Associate editor of the International Journal of Business Process Integration and Management (since 2006)
- Senior editor of the International Journal on Enterprise Modelling and Information Systems Architectures (since 2005)
- Member of the editorial (advisory) board of Computer Supported Cooperative Work (since 2009)
- Member of the editorial board of Software and Systems Modeling (since 2012)
- Action Editor Data Mining and Knowledge Discovery (since 2023)
- Member of the editorial board of Process Science - Business Process Management and Process Mining (since 2024)

PREVIOUS POSITIONS

2015-2023	**Member of the Board of Governors Tilburg University** Supervision of the executive board and chair of the committee responsible for research and teaching at Tilburg University, Tilburg, The Netherlands
2009-2023	**Steering committee of the IEEE Task Force on Process Mining** (founder in 2009, chair 2009-2021, member 2009-2023)
2003-2022	**Steering committee of the International Conference Series on Business Process Management** (founder in 2003, chair 2003-2017, member 2003-2022)
2011-2021	**Member of the Advisory Board of Fluxicon** Fluxicon, Eindhoven, The Netherlands
2016-2021	**Chief Scientific Advisor of Celonis** Celonis, München, Germany
2016-2021	**Chief Scientific Advisor of ProcessGold/UiPath** ProcessGold/UiPath, Eindhoven, NL/New York, USA
2016-2021	**FBK Affiliated Fellow** Fondazione Bruno Kessler, Trento, Italy
2017-2021	**Member of the Council for Physics and Technical Sciences of the Royal Netherlands Academy of Arts and Sciences** KNAW, Amsterdam, The Netherlands
2012-2015	**Academic supervisor PAIS Lab and Professor HSE** Scientific Director and co-founder of the International Laboratory of Process-Aware Information Systems (PAIS Lab), National Research University, Higher School of Economics, Moscow, Russia
2018-2024	**Part-time Full Professor TU/e** Eindhoven University of Technology, Eindhoven, The Netherlands
2000-2018	**Full Professor TU/e** Chair of the Information Systems (IS) group of Eindhoven University of Technology, Netherlands (from 2000-2006). Professor in the Department of Mathematics and Computer Science and the Technology Management Department (2000-2018). Director of the Business Information Systems master (2000-2013). Co-founder and scientific director of the Data Science Center Eindhoven (DSC/e) (2013-2018).
1999-2010	**Visiting Professor University of Colorado** Working with prof. Skip Ellis, University of Colorado, Boulder, USA (12 months)
1998-1999	**Visiting Professor University of Georgia** Working with prof. Amit Sheth, University of Georgia Athens, USA (6 months)
1998-1999	**Visiting Professor AIFB Karlsruhe** Working with prof. Jörg Desel, University of Karlsruhe, Germany (6 months)

1992 -1999 **Assistant / Associate Professor TU/e**
Chair of the Specification and Modeling of Information Systems group at the Department of Mathematics and Computer Science of Eindhoven University of Technology (TU/e), Netherlands. Member of the management team of the research institute BETA.

1998-1999 **Research assistant TNO and TU/e**
Working for the TNO institute IPL while doing a PhD at Eindhoven University of Technology (TU/e), Netherlands. Member of the TASTE working group

2008-2021 **Membership of Various Editorial Boards**

- Vice editor-in-chief of Business & Information Systems Engineering (2015-2025)
- Associate Editor "SN Computer Science" (2019-2023)
- Field editor/associate editor of Computing (2012-2022)
- Associate editor of the IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans (IEEE-SMC-A) (2011-2013)
- Member of the editorial board of Distributed and Parallel Databases (2008-2018)
- Associate editor of IEEE Transactions on Services Computing (2008-2016)
- Associate editor of IEEE Transactions on Automation Science and Engineering (2008-2010)
- Associate editor of IEEE Transactions on Industrial Informatics (2009-2013)

PUBLICATION RECORD

H-INDEX	**191** (Google Scholar, Ranked 1st in Germany and 10th worldwide in Computer Science according to Research.com)
CITATIONS	**> 178.000** (Google Scholar)
H-INDEX SINCE 2021	99
BOOKS	**> 35** (10 authored books and >25 edited books)
REVIEWED JOURNAL PAPERS	**> 350** (322indexed by DBLP)
REVIEWED CONFERENCE/WORKSHOP PAPERS	**> 750** (698 indexed by DBLP)
BOOK CHAPTERS	**> 94** (28 indexed by DBLP)
OTHER PUBLICATIONS (EDITORIALS, REPORTS, ETC.)	**> 375**

FELLOWSHIPS AND AWARDS

2026	**Honorary professorship** (Prof. h.c.) from the **North China Electric Power University (NCEPU)**, Beijing, China
2025	**Highest-ranked computer scientist** in Germany, and 10th highest-ranked computer scientist in the world (**Research.com** 2026 ranking)
2022	Elected member of **acatech** (German National Academy of Science and Engineering), Germany
2021	**IEEE Fellow** Institute of Electrical and Electronics Engineers (IEEE)
2020	**ACM Fellow** Association for Computing Machinery (ACM)
2020	**IFIP Fellow** International Federation for Information Processing (IFIP)
2020	Elected member of the **North Rhine-Westphalian Academy of Sciences, Humanities and the Arts,** Germany
2018	**Alexander-von-Humboldt Professor Award** (five million euro), Germany
2013	**Distinguished University Professor of TU/e** (Only five professors had this special position at Eindhoven University of Technology)
2008	Elected member of the **Royal Holland Society of Sciences and Humanities** (Koninklijke Hollandsche Maatschappij der Wetenschappen), NL
2014	Elected member of **the Royal Netherlands Academy of Arts and Sciences** (Koninklijke Nederlandse Akademie van Wetenschappen), NL
2011	Elected member of **Academia Europaea** (The Academy of Europe)
2013	Honorary guest professor at Tsinghua University, Beijing, China
2012	**Honorary doctorate** from **Hasselt University**, Hasselt, Belgium
2015	**Honorary professorship** from **Higher School of Economics**, Moscow, Russia
2000 - now	**Over 45 best paper and most influential paper awards** (BPM, SoSym, ATPN, ICPM, BIS, etc.)

TEACHING ACTIVITIES

1992 - now **Master courses:** Introduction to Data Science, Advanced Process Mining, Business Process Management Systems, Workflow Management, and Simulation
Bachelor courses: Elements of Machine Learning and Data Science, Business Process Intelligence, Introduction to Process Mining, Perspectives on Data Science, Business Information Systems, Systems Engineering, Process Modeling, Business Process Management, and Specification of Information Systems
Online courses: Four open online process mining courses, e.g., **Process Mining: Data science in Action** (Coursera with > 170.000 registered participants)
Course and curriculum development: All of the above courses were developed from scratch and taught for several years. Leadership roles (e.g., scientific director) in computer science, data science, and business information systems programs at the bachelor and master level

PUBLICATIONS WIL VAN DER AALST (UNTIL JUNE 2026)

BOOKS (SELECTION)

1. C. Brecher, G. Schuh, W.M.P. van der Aalst, M. Jarke, F. Piller, and M. Padberg, editors. INTERNET OF PRODUCTION: FUNDAMENTALS, METHODS, AND APPLICATIONS. Springer-Verlag, Berlin, 2023.
2. W.M.P. van der Aalst and J. Carmona, editors. PROCESS MINING HANDBOOK, volume 448 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING. Springer-Verlag, Berlin, 2022.
3. R. Hähnle and W.M.P. van der Aalst, editors. INTERNATIONAL CONFERENCE ON FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING (FASE 2019), volume 11424 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2019.
4. W.M.P. van der Aalst and E. Best, editors. APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2017), volume 10258 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2017.
5. N. Russell, W.M.P. van der Aalst, and A. ter Hofstede. WORKFLOW PATTERNS: THE DEFINITIVE GUIDE. MIT Press, Cambridge, MA, 2016.
6. W.M.P. van der Aalst. PROCESS MINING: DATA SCIENCE IN ACTION. Springer-Verlag, Berlin, 2016.
7. R. Mans, W.M.P. van der Aalst, and R. Vanwersch. PROCESS MINING IN HEALTHCARE: EVALUATING AND EXPLOITING OPERATIONAL HEALTHCARE PROCESSES. Springer Briefs in Business Process Management. Springer-Verlag, Berlin, 2015.
8. W.M.P. van der Aalst. PROCESS MINING: DISCOVERY, CONFORMANCE AND ENHANCEMENT OF BUSINESS PROCESSES. Springer-Verlag, Berlin, 2011.
9. W.M.P. van der Aalst and C. Stahl. MODELING BUSINESS PROCESSES: A PETRI NET ORIENTED APPROACH. MIT Press, Cambridge, MA, 2011.
10. A.H.M. ter Hofstede, W.M.P. van der Aalst, M. Adams, and N. Russell. MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT. Springer-Verlag, Berlin, 2010.
11. J. Cardoso and W.M.P. van der Aalst. HANDBOOK OF RESEARCH ON BUSINESS PROCESS MODELING. Information Science Publishing, Hershey, PA, USA, 2009.
12. L.J. Zhang, W.M.P. van der Aalst, and P. Hung, editors. IEEE INTERNATIONAL CONFERENCE ON SERVICES COMPUTING (SCC 2007). IEEE Computer Society, 2007.
13. M. Dumas, W.M.P. van der Aalst, and A.H.M. ter Hofstede. PROCESS-AWARE INFORMATION SYSTEMS: BRIDGING PEOPLE AND SOFTWARE THROUGH PROCESS TECHNOLOGY. Wiley & Sons, 2005.
14. W.M.P. van der Aalst, B. Benatallah, F. Casati, and F. Curbera, editors. INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2005), volume 3649 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2005.
15. W.M.P. van der Aalst and K.M. van Hee. WORKFLOW MANAGEMENT: MODELS, METHODS AND SYSTEMS (IN CHINESE). Tsinghua University Press, Beijing, China, 2004.
16. W.M.P. van der Aalst and K.M. van Hee. WORKFLOW MANAGEMENT: MODELS, METHODS AND SYSTEMS (IN DUTCH, SECOND REVISED PRINT). Academic Service, Schoonhoven, 2004.
17. R. Meersman, Z. Tari, W.M.P. van der Aalst, C. Bussler, and A. Gal et al., editors. ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2004: COOPIS, DOA, AND ODBASE: OTM CONFEDERATED INTERNATIONAL CONFERENCES, COOPIS, DOA, AND ODBASE 2004 (PART I), volume 3290 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2004.
18. R. Meersman, Z. Tari, W.M.P. van der Aalst, C. Bussler, and A. Gal et al., editors. ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2004: COOPIS, DOA, AND ODBASE: OTM CONFEDERATED INTERNATIONAL CONFERENCES, COOPIS, DOA, AND ODBASE 2004 (PART II), volume 3291 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2004.
19. W.M.P. van der Aalst and E. Best, editors. 24TH INTERNATIONAL CONFERENCE ON APPLICATIONS AND THEORY OF PETRI NETS (ICATPN 2003), volume 2679 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2003.

20. W.M.P. van der Aalst, A.H.M. ter Hofstede, and M. Weske, editors. INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2003), volume 2678 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2003.
21. W.M.P. van der Aalst, J-M. Colom, F. Kordon, G. Kotsis, and D. Moldt. PETRI NET APPROACHES FOR MODELLING AND VALIDATION, volume 1 of LINCOM STUDIES IN COMPUTER SCIENCE. Lincom, München, Germany, 2003.
22. W.M.P. van der Aalst and K.M. van Hee. WORKFLOW MANAGEMENT: MODELS, METHODS, AND SYSTEMS. MIT Press, Cambridge, MA, 2002.
23. W.M.P. van der Aalst, J. Desel, and A. Oberweis, editors. BUSINESS PROCESS MANAGEMENT: MODELS, TECHNIQUES, AND EMPIRICAL STUDIES, volume 1806 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2000.
24. W.M.P. van der Aalst and K.M. van Hee. WORKFLOW MANAGEMENT: MODELLEN, METHODEN EN SYSTEMEN (IN DUTCH). Academic Service, Schoonhoven, 1997.

JOURNAL PAPERS (EXCLUDING DUTCH JOURNALS)

1. A. Berti and W.M.P. van der Aalst. An In-Context Foundation Model for Predictive Process Monitoring on Event Logs. IEEE ACCESS, 14:16959–16983, 2026.
2. H. Kourani, A. Berti, D. Schuster, and W.M.P. van der Aalst. Evaluating Large Language Models on Business Process Modeling: Framework, Benchmark, and Self-improvement Analysis. SOFTWARE AND SYSTEMS MODELING (in print), 2026.
3. T.H. Huang, E. Schneider, M. Pegoraro, and W.M.P. van der Aalst. Flexible and sound: Synthesis Miner. SOFTWARE AND SYSTEMS MODELING (in print), 2026.
4. J.A. Denissen, K. Sijtsma, and W.M.P. van der Aalst. Towards a More Informed and Balanced Use of Scientific Performance Metrics. RESEARCH EVALUATION, 35(1):1–19, 2026.
5. D. Lee, M. Song, and W.M.P. van der Aalst. An Optimized Backbone-based Process Layout Generation Method Using Integer Programming and Heuristics to Enhance User Comprehension. DATA AND KNOWLEDGE ENGINEERING, 164:102601, 2026.
6. A. Antonov, H.H. Beyel, M. Verket, C.T. Schwanen, V. Peeva, M. Pegoraro, J. Brandts, D. Müller-Wieland, N. Marx, W.M.P. van der Aalst, and K. Marx-Schütt. Discovering Heart Failure Patient Pathways Through Event Enrichment and Abstraction. INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS, 220:106601, 2026.
7. A. Seidel, M. Weske, M. Montali, A. Rivkin, M. Reichert, J.M. van der Werf, W.M.P. van der Aalst, M. Breitmayer, L. Liss, J.N. van Detten, A. Jalali, S. Khayatbashi, M. König, T. Lichtenstein, S. Rinderle-Ma, B. Weber, P. Soffer, L. Rossi, D. Calegari, A. Delgado, R. Dijkman, S. Winkler, M. Weidlich, S. Leemans, D. Fahland, A. Swevels, M. Snoeck, G. Guizzardi, A. Gianola, A. Gal, E. Kindler, I. Lomazova, B. Re, G. Meroni, A. Morichetta, A. Marcelletti, S. Pettinari, B.F. van Dongen, J. De Smedt, M. Rafiei, J. Köpke, T. Hildebrandt, F. Zerbato, L. Pufahl, H.A. Reijers, A. Polyvyanyy, C. Di Francescomarino, F.M. Maggi, O. Pastor, S. Haarmann, H.A. Proper, X. Lu, H.A. Lopez, T. Slaats, J. De Weerdt, M. de Leoni, N. Martin, K. Winter, N. van Beest, O. Lopez-Pintado, S.J. van Zelst, C. Ghidini, and A. Senderovich. Object-Centric Process Management: A Research Manifesto. INFORMATION SYSTEMS, 141:102728, 2026.
8. S. Sadeghianasl, M.T. Wynn, R. Andrews, W.M.P. van der Aalst, and J. Ko. Object-Centric Event-Data Imperfection Patterns. INFORMATION SYSTEMS, 141:102766, 2026.
9. V. Peeva and W.M.P. van der Aalst. Framework for Grouping Local Process Models. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 64:941–964, 2026.
10. G. Park, L. Liss, and W.M.P. van der Aalst. Learning Recommendations From Educational Event Data in Higher Education. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 64:1105–1124, 2026.
11. H. Kourani, G. Park, and W.M.P. van der Aalst. A Discovery Technique for Expressive Yet Sound Process Models. PROCESS SCIENCE, 3:14, 2026.
12. A. Norouzifar, M. Rafiei, M. Dees, and W.M.P. van der Aalst. Enhancing Explainability in Process Variant Analysis: A Framework for Detecting and Interpreting Control-Flow Changes. SOFTWARE AND SYSTEMS MODELING, 25:371–412, 2026.

13. T. Teriete, K. Erlach, T. Bauernhans, and W.M.P. van der Aalst. Combining Value Stream Mapping and Process Mining in Production: A Systematic Literature Review. DISCOVER APPLIED SCIENCES, 8(285):1–18, 2026.
14. A. Norouzifar, M. Dees, and W.M.P. van der Aalst. Rule-Guided Process Discovery. DATA AND KNOWLEDGE ENGINEERING, 161:102508, 2026.
15. H. Kourani, A. Berti, J. Hennrich, W. Kratsch, R. Weidlich, C.Y. Li, A. Arslan, W.M.P. van der Aalst, and Daniel Schuster. Leveraging Large Language Models for Enhanced Process Model Comprehension. DECISION SUPPORT SYSTEMS, 200:114563, 2026.
16. C.Y. Li, A. Antonov, T.H. Huang, M. Pegoraro, S.S.F. Lau, M.X.B. Hiew, I.Y.N. Law, B. Drescher, and W.M.P. van der Aalst. Cargo Distribution Analysis: A Process Mining Approach. PROCESS SCIENCE, 3(1):4, 2026.
17. G. Park and W.M.P. van der Aalst. Operational Process Monitoring: An Object-Centric Approach. COMPUTERS IN INDUSTRY, 164:104170, 2025.
18. F. Wangelik, M. Rafiei, M. Pourbafrani, and W.M.P. van der Aalst. Releasing Differentially Private Event Logs Using Generative Models. DATA AND KNOWLEDGE ENGINEERING, 159:102450, 2025.
19. A. Berti, U. Jessen, G. Park, M. Rafiei, and W.M.P. van der Aalst. Analyzing Interconnected Processes: Using Object-Centric Process Mining To Analyze Procurement Processes. INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS, 20:475–497, 2025.
20. E. Goulart Rocha, S.J.J. Leemans, and W.M.P. van der Aalst. Abstract-and-Compare Stochastic Conformance Checking. PROCESS SCIENCE, 2(1):13, 2025.
21. R. Hobeck, C. Klinkmüller, H.M.N.D. Bandara, I. Weber, and W.M.P. van der Aalst. On the Suitability of Process Mining for Enhancing Transparency of Blockchain Applications. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 67(6):777–796, 2025.
22. H.H. Beyel and W.M.P. van der Aalst. Using Translucent Activity Relationships Frequencies to Enhance Process Discovery. PROCESS SCIENCE, 2(1):15, 2025.
23. A. Berti, X. Wang, H. Kourani, and W.M.P. van der Aalst. Specializing Large Language Models for Process Modeling Via Reinforcement Learning With Verifiable and Universal Rewards. PROCESS SCIENCE, 2(1):26, 2025.
24. R. Hobeck, A. Berti, I. Weber, and W.M.P. van der Aalst. Object-Centric Process Mining for Blockchain Applications Extracting and Representing Ethereum Execution Data in OCEL 2.0. ENTERPRISE MODELLING AND INFORMATION SYSTEMS ARCHITECTURES, 20(2), 2025.
25. J.N. Adams, J. Ziegler, M. McDermott, M.J. Douglas, R. Eber, J. Gichoya, D. Goode, S. Sankaranarayanan, W.M.P. van der Aalst, and L.A. Celi. A Health Equity Monitoring Framework Based on Process Mining. PLOS DIGIT HEALTH, 3:1–14, 2024.
26. J. vom Brocke, W.M.P. van der Aalst, N. Berente, B. van Dongen, T. Grisold, W. Kremser, J. Mendling, B.T. Pentland, M. Röglinger, M. Rosemann, and B. Weber. Process Science: The Interdisciplinary Study of Socio-Technical Change. PROCESS SCIENCE, 1(1):1, 2024.
27. H. Kourani, S.J. van Zelst, D. Schuster, and W.M.P. van der Aalst. Discovering Partially Ordered Workflow Models. INFORMATION SYSTEMS, 128:102493, 2025.
28. M. Rafiei, M. Pourbafrani, and W.M.P. van der Aalst. Federated Conformance Checking. INFORMATION SYSTEMS, 131:102525, 2025.
29. F. Vitale, M. Pegoraro, W.M.P. van der Aalst, and N. Mazzocca. Control-Flow Anomaly Detection By Process Mining-Based Feature Extraction and Dimensionality Reduction. KNOWLEDGE-BASED SYSTEMS, 310:112970, 2025.
30. S.J.J. Leemans, T. Brockhoff, W.M.P. van der Aalst, and A. Polyvyanyy. Partially Ordered Stochastic Conformance Checking. KNOWLEDGE AND INFORMATION SYSTEMS, 67(3):2291–2319, 2025.
31. P. Ceravolo, S. Barbon Junior, E. Damiani, and W.M.P. van der Aalst. Tuning Machine Learning to Address Process Mining Requirements. IEEE ACCESS, 12:24583–24595, 2024.
32. M.Y. Wynn, W.M.P. van der Aalst, E. Verbeek, and B.N. Di Stefano. The IEEE XES Standard for Process Mining: Experiences, Adoption, and Revision. IEEE COMPUTATIONAL INTELLIGENCE MAGAZINE, 19(1):20–23, 2024.
33. L.L. Mannel and W.M.P. van der Aalst. Discovering Process Models with Long-Term Dependencies while Providing Guarantees and Filtering Infrequent Behavior Patterns. FUNDAMENTA INFORMATICAE, 190(2-4):109–158, 2024.

34. A. Berti, J. Herforth, M.S. Qafari, and W.M.P. van der Aalst. Graph-Based Feature Extraction on Object-Centric Event Logs. INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS, 18(2):1–23, 2024.
35. D. Schuster, F. Zerbato, S.J. van Zelst, and W.M.P. van der Aalst. Defining and Visualizing Process Execution Variants from Partially Ordered Event Data. INFORMATION SCIENCES, 657:119958, 2024.
36. A.T. Burke, S.J.J. Leemans, M.T. Wynn, W.M.P. van der Aalst, and A.H.M. ter Hofstede. A Chance For Models To Show Their Quality: Stochastic Process Model-Log Dimensions. INFORMATION SYSTEMS, 124:102382, 2024.
37. D. Schuster, E. Benevento, D. Aloini, and W.M.P. van der Aalst. Analyzing Healthcare Processes with Incremental Process Discovery: Practical Insights from a Real-World Application. JOURNAL OF HEALTHCARE INFORMATICS RESEARCH, 8(3):523–554, 2024.
38. H.H. Beyel, O. Makke, M. Pourbafrani, O. Gusikhin, and W.M.P. van der Aalst. Analyzing Data Streams from Cyber-Physical-Systems: A Case Study. SN COMPUTER SCIENCE, 5(6):706, 2024.
39. E. Brzychczy, A. Zuber, and W.M.P. van der Aalst. Process Mining of Mining Processes: Analyzing Longwall Coal Excavation Using Event Data. IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS: SYSTEMS, 54(5):2723–2734, 2024.
40. W.M.P. van der Aalst, H.A. Reijers, and L. Maruster. Process Mining Beyond Workflows. COMPUTERS IN INDUSTRY, 161:104126, 2024.
41. G. Park, D. Schuster, and W.M.P. van der Aalst. Pattern-Based Action Engine: Generating Process Management Actions Using Temporal Patterns of Process-Centric Problems. COMPUTERS IN INDUSTRY, 153:104020, 2023.
42. J.N. Adams, G. Park, and W.M.P. van der Aalst. Preserving Complex Object-Centric Graph Structures to Improve Machine Learning Tasks in Process Mining. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 125:106764, 2023.
43. Y. Dwivedi, N. Kshetri, L. Hughes, E. Slade, A. Jeyaraj, A. Kar, A. Baabdullah, A. Koohang, V. Raghavan, M. Ahuja, H. Albanna, M. Albashrawi, A. Al-Busaidi, J. Balakrishnan, Y. Barlette, S. Basu, I. Bose, L. Brooks, D. Buhalis, L. Carter, S. Chowdhury, T. Crick, S. Cunningham, G. Davies, R. Davison, R. De', D. Dennehy, Y. Duan, R. Dubey, R. Dwivedi, J. Edwards, C. Flavián, R. Gauld, V. Grover, M. Hu, M. Janssen, P. Jones, I. Junglas, S. Khorana, S. Kraus, K. Larsen, P. Latreille, S. Laumer, F. Malik, A. Mardani, M. Mariani, S. Mithas, E. Mogaji, J. Nord, S. O'Connor, F. Okumus, M. Pagani, N. Pandey, S. Papagiannidis, I. Pappas, N. Pathak, J. Pries-Heje, R. Raman, N. P. Rana, S. Rehm, S. Ribeiro-Navarrete, A. Richter, F. Rowe, S. Sarker, B. Stahl, M. Tiwari, W.M.P. van der Aalst, V. Venkatesh, G. Viglia, M. Wade, P. Walton, J. Wirtz, and R. Wright. "So what if ChatGPT wrote it?" Multidisciplinary perspectives on opportunities, challenges and implications of generative conversational AI for research, practice and policy. INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT, 71:102642, 2023.
44. M. Fani Sani, M. Vazifehdoostirani, G. Park, M. Pegoraro, S.J. van Zelst, and W.M.P. van der Aalst. Performance-Preserving Event Log Sampling for Predictive Monitoring. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 61(1):53–82, 2023.
45. L. Barbieri, E.R.M. Madeira, K. Stroeh, and W.M.P. van der Aalst. A Natural Language Querying Interface for Process Mining. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 61(1):113–142, 2023.
46. A. Berti, G. Park, M. Rafiei, and W.M.P. van der Aalst. A Generic Approach To Extract Object-Centric Event Data From Databases Supporting SAP ERP. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 61(3):835–857, 2023.
47. W.M.P. van der Aalst, R. De Masellis, C. Di Francescomarino, C. Ghidini, and H. Kourani. Discovering Hybrid Process Models With Bounds on Time and Complexity: When To Be Formal and When Not? INFORMATION SYSTEMS, 116:102214, 2023.
48. W.M.P. van der Aalst. Object-Centric Process Mining: Unraveling the Fabric of Real Processes. MATHEMATICS, 11(12):2691, 2023.
49. A. Berti and W.M.P. van der Aalst. OC-PM: Analyzing Object-Centric Event Logs and Process Models. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 25(1):1–17, 2023.
50. M. Rafiei and W.M.P. van der Aalst. An Abstraction-Based Approach for Privacy-Aware Federated Process Mining. IEEE ACCESS, 11:33697–33714, 2023.
51. J.N. Adams, S.J. van Zelst, T. Rose, and W.M.P. van der Aalst. Explainable Concept Drift in Process Mining. INFORMATION SYSTEMS, 114:102177, 2023.

52. J.N. Adams, C. Pitsch, T. Brockhoff, and W.M.P. van der Aalst. An Experimental Evaluation of Process Concept Drift Detection. PROCEEDINGS OF THE VLDB ENDOWMENT, 16(8):1856–1869, 2023.
53. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Cortado: A Dedicated Process Mining Tool for Interactive Process Discovery. SOFTWAREX, 22:101373, 2023.
54. M. Martini, D. Schuster, and W.M.P. van der Aalst. Mining Frequent Infix Patterns from Concurrency-Aware Process Execution Variants. PROCEEDINGS OF THE VLDB ENDOWMENT, 16(10):2666–2678, 2023.
55. G. Park and W.M.P. van der Aalst. Action-Oriented Process Mining: Bridging The Gap Between Insights and Actions. PROGRESS IN ARTIFICIAL INTELLIGENCE, pages 1–22, July 2022.
56. M.S. Qafari and W.M.P. van der Aalst. Feature Recommendation For Structural Equation Model Discovery In Process Mining. PROGRESS IN ARTIFICIAL INTELLIGENCE, pages 1–25, June 2022.
57. W.M.P. van der Aalst. European Leadership in Process Management. COMMUNICATIONS OF THE ACM, 65(4):80–83, 2022.
58. V. Bloemen, S.J. van Zelst, W.M.P. van der Aalst, B.F. van Dongen, and J. van de Pol. Aligning Observed and Modelled Behaviour by Maximizing Synchronous Moves and Using Milestones. INFORMATION SYSTEMS, 103:101456, 2022.
59. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Utilizing Domain Knowledge in Data-Driven Process Discovery: A Literature Review. COMPUTERS IN INDUSTRY, 137:103612, 2022.
60. M. Pourbafrani and W.M.P. van der Aalst. Discovering System Dynamics Simulation Models Using Process Mining. IEEE ACCESS, 10:78527–78547, 2022.
61. J. Yang, C. Ouyang, W.M.P. van der Aalst, A.H.M. ter Hofstede, and Y. Yu. OrdinoR: A Framework for Discovering, Evaluating, and Analyzing Organizational Models Using Event Logs. DECISION SUPPORT SYSTEMS, 158:113771, 2022.
62. V. Pasquadibisceglie, A. Appice, G. Castellano, and W.M.P. van der Aalst. PROMISE: Coupling Predictive Process Mining to Process Discovery. INFORMATION SCIENCES, 606:250–271, 2022.
63. J.N. Adams, G. Park, and W.M.P. van der Aalst. ocpa: A Python Library for Object-Centric Process Analysis. SOFTWARE IMPACTS, 14:100438, 2022.
64. J. Munoz-Gama, N. Martin, C. Fernandez-Llatas, O. Johnson, M. Sepulveda, E. Helm, V. Galvez-Yanjari, E. Rojas, A. Martinez-Millana, D. Aloiniand I.A. Amantea, R. Andrews, M. Arias, I. Beerepoot, E. Benevento, A. Burattin, D. Capurro, J. Carmona, M. Comuzzi, B. Dalmas, R. de la Fuente, C. Di Francescomarino, C. Di Ciccio, R. Gatta, C. Ghidini, F. Gonzalez-Lopez, G. Ibanez-Sanchez, H. Klasky, A.P. Kurniati, X. Lu, F. Mannhardt, R. Mans, M. Marcos, R.M. de Carvalho, M. Pegoraro, S. Poon, L. Pufahl, H. Reijers, S. Remy, S. Rinderle-Ma, L. Sacchi, F. Seoane, M. Song, A. Stefanini, E. Sulis, A.H.M. ter Hofstede, P. Toussaint, V. Traver, Z. Valero-Ramon, I. van de Weerd, W.M.P. van der Aalst, R.J.B. Vanwersch, M. Weske, M.T. Wynn, and F. Zerbato. Process Mining for Healthcare: Characteristics and Challenges. JOURNAL OF BIOMEDICAL INFORMATICS, 127:103994, 2022.
65. E. Benevento, D. Aloini, and W.M.P. van der Aalst. How Can Interactive Process Discovery Address Data Quality Issues in Real Business Settings? Evidence from a Case Study in Healthcare. JOURNAL OF BIOMEDICAL INFORMATICS, 130:104083, 2022.
66. P. Brauner, M. Dalibor, M. Jarke, I. Kunze, I. Koren, G. Lakemeyer, M. Liebenberg, J. Michael, J. Pennekamp, C. Quix, B. Rumpe, W.M.P. van der Aalst, K. Wehrle, A. Wortmann, and M. Ziefle. A Computer Science Perspective on Digital Transformation in Production. ACM TRANSACTIONS ON INTERNET OF THINGS, 3(2):15:1–15:32, 2022.
67. D. Fahland, V. Denisov, and W.M.P. van der Aalst. Inferring Unobserved Events in Systems with Shared Resources and Queues. FUNDAMENTA INFORMATICAE, 183(3-4):203–242, 2021.
68. S.J.J. Leemans, W.M.P. van der Aalst, T. Brockhoff, and A. Polyvyanyy. Stochastic Process Mining: Earth Movers' Stochastic Conformance. INFORMATION SYSTEMS, 102:101724, 2021.
69. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Conformance Checking Over Uncertain Event Data. INFORMATION SYSTEMS, 102:101810, 2021.
70. D. Beverungen, J. Buijs, J. Becker, C. Di Ciccio, W.M.P. van der Aalst, C. Bartelheimer, J. vom Brocke, M. Comuzzi, K. Kraume, H. Leopold, M. Matzner, J. Mendling, N. Ogonek, T. Post, M. Resinas, K. Revoredo, A. del-Rio-Ortega, M. La Rosa, F. Santoro, A. Solti, M. Song, A. Stein, M. Stierle, and V. Wolf. Seven Paradoxes of Business Process Management in a Hyper-Connected World. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 63(2):145–156, 2021.

71. M. Rafiei and W.M.P. van der Aalst. Group-Based Privacy Preservation Techniques for Process Mining. DATA AND KNOWLEDGE ENGINEERING, 134:101908, 2021.
72. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. The Impact of Biased Sampling of Event Logs on the Performance of Process Discovery. COMPUTING, 103(6):1085–1104, 2021.
73. A. Berti and W.M.P. van der Aalst. A Novel Token-Based Replay Technique to Speed Up Conformance Checking and Process Enhancement. TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY, 15:1–26, 2021.
74. N. Martin, D. Fischer, G. Kerpedzhiev, K. Goel, S. Leemans, M. Röglinger, W.M.P. van der Aalst, M. Dumas, M. La Rosa, and M.T. Wynn. Opportunities and Challenges for Process Mining in Organizations: Results of a Delphi Study. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 63(5):511–527, 2021.
75. W.M.P. van der Aalst. Free-Choice Nets With Home Clusters Are Lucent. FUNDAMENTA INFORMATICAE, 181(4):273–302, 2021.
76. W.M.P. van der Aalst. Hybrid Intelligence: To Automate or Not to Automate, That is the Question. INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS AND PROJECT MANAGEMENT, 9(2):5–20, 2021.
77. W.M.P. van der Aalst and A. Berti. Discovering Object-Centric Petri Nets. FUNDAMENTA INFORMATICAE, 175(1-4):1–40, 2020.
78. E.G.L. de Murillas, H.A. Reijers, and W.M.P. van der Aalst. Case Notion Discovery and Recommendation: Automated Event Log Building on Databases. KNOWLEDGE AND INFORMATION SYSTEMS, 62(7):2539–2575, 2020.
79. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. Improving the Performance of Process Discovery Algorithms By Instance Selection. COMPUTER SCIENCE AND INFORMATION SYSTEMS, 17(3):927–958, 2020.
80. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Efficient Time and Space Representation of Uncertain Event Data. ALGORITHMS, 13(11):285:1–27, 2020.
81. L. Cheng, B.F. van Dongen, and W.M.P. van der Aalst. Scalable Discovery of Hybrid Process Models in a Cloud Computing Environment. IEEE TRANSACTIONS ON SERVICES COMPUTING, 13(2):368–380, 2020.
82. A. Pika, M. Wynn, S. Budiono, A. ter Hofstede, W.M.P. van der Aalst, and H. Reijers. Privacy-Preserving Process Mining in Healthcare. ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, 17(5):1216:1–18, 2020.
83. G. Schuh, A. Gutzlaff, S. Schmitz, and W.M.P. van der Aalst. Data-Based Description of Process Performance in End-to-End Order Processing. CIRP ANNALS, 69(1):381–384, 2020.
84. W.M.P. van der Aalst. Lucent Process Models and Translucent Event Logs. FUNDAMENTA INFORMATICAE, 169(1-2):151–177, 2019.
85. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Guided Interaction Exploration and Performance Analysis in Artifact-Centric Process Models. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 61(6):649–663, 2019.
86. A.A. Kalenkova, A. Burattin, M. de Leoni, W.M.P. van der Aalst, and A. Sperduti. Discovering High-Level BPMN Process Models From Event Data. BUSINESS PROCESS MANAGEMENT JOURNAL, 25(5):995–1019, 2019.
87. E. González López de Murillas, H.A. Reijers, and W.M.P. van der Aalst. Connecting Databases With Process Mining: A Meta Model and Toolset. SOFTWARE AND SYSTEM MODELING, 18(2):1209–1247, 2019.
88. A.F. Syring, N. Tax, and W.M.P. van der Aalst. Evaluating Conformance Measures in Process Mining Using Conformance Propositions. In M. Koutny, L. Pomello, and L.M. Kristensen, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC 14), volume 11970 of LECTURE NOTES IN COMPUTER SCIENCE, pages 192–221. Springer-Verlag, Berlin, 2019.
89. M. Hassani, S.J. van Zelst, and W.M.P. van der Aalst. On the Application of Sequential Pattern Mining Primitives to Process Discovery: Overview, Outlook and Opportunity Identification. WILEY INTERDISCIPLINARY REVIEWS: DATA MINING AND KNOWLEDGE DISCOVERY, 9(6):1–13, 2019.
90. N. Tax, E. Alasgarov, N. Sidorova, R. Haakma, and W.M.P. van der Aalst. Generating Time-Based Label Refinements to Discover More Precise Process Models. JOURNAL OF AMBIENT INTELLIGENCE AND SMART ENVIRONMENTS, 11(2):165–182, 2019.

91. N. Tax, N. Sidorova, and W.M.P. van der Aalst. Discovering More Precise Process Models From Event Logs By Filtering Out Chaotic Activities. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 52(1):107–139, 2019.
92. W.M.P. van der Aalst, J. Carmona, T. Chatain, and B.F. van Dongen. A Tour in Process Mining: From Practice to Algorithmic Challenges. In M. Koutny, L. Pomello, and L.M. Kristensen, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC 14), volume 11970 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–35. Springer-Verlag, Berlin, 2019.
93. J. Mendling, I. Weber, W.M.P. van der Aalst, J. vom Brocke, C. Cabanillas, F. Daniel, S. Debois, C. Di Ciccio, M. Dumas, S. Dustdar, A. Gal, L Garcia-Banuelos, G. Governatori, R. Hull, M. La Rosa, H. Leopold, F. Leymann, J. Recker, M. Reichert, H.A. Reijers, S. Rinderle-Ma, A. Solti, M. Rosemann, S. Schulte, M. Singh, T. Slaats, M. Staples, B. Weber, M. Weidlich, M. Weske, X. Xu, and L. Zhu. Blockchains for Business Process Management: Challenges and Opportunities. ACM TRANSACTIONS ON MANAGEMENT INFORMATION SYSTEMS, 9(1):1–16, 2018.
94. A. Bolt, M. de Leoni, and W.M.P. van der Aalst. Process Variant Comparison: Using Event Logs to Detect Differences in Behavior and Business Rules. INFORMATION SYSTEMS, 74(1):53–66, 2018.
95. F. Mannhardt, M. de Leoni, H.A. Reijers, W.M.P. van der Aalst, and P.J. Toussaint. Guided Process Discovery: A Pattern-Based Approach. INFORMATION SYSTEMS, 76:1–18, 2018.
96. S. Sakr, Z. Maamar, A. Awad, B. Benatallah, and W.M.P. van der Aalst. Business Process Analytics and Big Data Systems: A Roadmap to Bridge the Gap. IEEE ACCESS, 6:77308–77320, 2018.
97. W.M.P. van der Aalst, J. Becker, M. Bichler, H.U. Buhl, J. Dibbern, U. Frank, U. Hasenkamp, A. Heinzl, O. Hinz, K.L. Hui, M. Jarke, D. Karagiannis, N. Kliewer, W. Koenig, J. Mendling, P. Mertens, M Rossi, S Voss, C. Weinhardt, R. Winter, and J. Zdravkovic. Views on the Past, Present, and Future of Business and Information Systems Engineering. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 60(6):443–477, 2018.
98. N. Tax, B. Dalmas, N. Sidorova, W.M.P. van der Aalst, and S. Norre. Interest-Driven Discovery of Local Process Models. INFORMATION SYSTEMS, 77:105–117, 2018.
99. W.J. Jonathan Lee, H.M.W. Verbeek, J. Munoz-Gama, W.M.P. van der Aalst, and M. Sepulveda. Recomposing Conformance: Closing the Circle on Decomposed Alignment-Based Conformance Checking in Process Mining. INFORMATION SCIENCES, 466:55–91, 2018.
100. M. Alizadeh, X. Lu, D. Fahland, N. Zannone, and W.M.P. van der Aalst. Linking Data and Process Perspectives for Conformance Analysis. COMPUTERS AND SECURITY, 73:172–193, 2018.
101. N. Tax, X. Lu, N. Sidorova, D. Fahland, and W.M.P. van der Aalst. The Imprecisions of Precision Measures in Process Mining. INFORMATION PROCESSING LETTERS, 135:1–8, 2018.
102. S.J. van Zelst, B.F. van Dongen, W.M.P. van der Aalst, and H.M.W. Verbeek. Discovering Workflow Nets Using Integer Linear Programming. COMPUTING, 100(5):529–556, 2018.
103. S.J. van Zelst, B.F. van Dongen, and W.M.P. van der Aalst. Event Stream-Based Process Discovery Using Abstract Representations. KNOWLEDGE AND INFORMATION SYSTEMS, 54(2):407–435, 2018.
104. S.J. van Zelst, A. Bolt, M. Hassani, B.F. van Dongen, and W.M.P. van der Aalst. Online Conformance Checking: Relating Event Streams to Process Models Using Prefix-Alignments. INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS, 8(3):269–284, 2019.
105. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Scalable Process Discovery and Conformance Checking. SOFTWARE AND SYSTEMS MODELING, 17(2):599–631, 2018.
106. W.M.P. van der Aalst. Spreadsheets for Business Process Management: Using Process Mining To Deal With “Events” Rather Than “Numbers”. BUSINESS PROCESS MANAGEMENT JOURNAL, 24(1):105–127, 2018.
107. W.M.P. van der Aalst. Process Discovery from Event Data: Relating Models and Logs Through Abstractions. WIRES DATA MINING AND KNOWLEDGE DISCOVERY, 8(3), 2018.
108. A.A. Mitsyuk, I.A. Lomazova, and W.M.P. van der Aalst. Using event logs for local correction of process models. AUTOMATIC CONTROL AND COMPUTER SCIENCES, 51(7):709–723, 2017.
109. H.M.W. Verbeek, W.M.P. van der Aalst, and J. Munoz-Gama. Divide and Conquer: A Tool Framework for Supporting Decomposed Discovery in Process Mining. THE COMPUTER JOURNAL, 60(11):1649–1674, 2017.

110. A. Polyvyanyy, C. Ouyang, A. Barros, and W.M.P. van der Aalst. Process querying: Enabling Business Intelligence Through Query-Based Process Analytics. DECISION SUPPORT SYSTEMS, 100:41–56, 2017.
111. W.Z. Low, W.M.P. van der Aalst, A.H.M. ter Hofstede, M.T. Wynn, and J. De Weerdt. Change Visualisations: Analysing the Resource and Timing Differences between Two Event Logs. INFORMATION SYSTEMS, 65:106–123, 2017.
112. S. Suriadi, M.T. Wynn, J. Xu, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Discovering Work Prioritisation Patterns From Event Logs. DECISION SUPPORT SYSTEMS, 100:77–92, 2017.
113. M.T. Wynn, E. Poppe, J. Xu, A.H.M. ter Hofstede, R. Brown, A. Pini, and W.M.P. van der Aalst. ProcessProfiler3D: A Visualisation Framework for Log-Based Process Performance Comparison. DECISION SUPPORT SYSTEMS, 100:93–108, 2017.
114. M. van Eck, M. Firat, W. Nuijten, N. Sidorova, and W.M.P. van der Aalst. Human Performance-Aware Scheduling and Routing of a Multi-Skilled Workforce. COMPLEX SYSTEMS INFORMATICS AND MODELING QUARTERLY, 12:1–21, 2017.
115. A. Pika, Michael Leyer, M.T. Wynn, C.J. Fidge, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Mining Resource Profiles from Event Logs. ACM TRANSACTIONS ON MANAGEMENT INFORMATION SYSTEMS, 8(1):1:1–1:30, 2017.
116. A.A. Mitsyuk, I.S. Shugurov, A.A. Kalenkova, and W.M.P. van der Aalst. Generating event logs for high-level process models. SIMULATION MODELLING PRACTICE AND THEORY, 74:1–16, 2017.
117. G. Li and W.M.P. van der Aalst. A Framework for Detecting Deviations in Complex Event Logs. INTELLIGENT DATA ANALYSIS, 21(4):759–779, 2017.
118. M. La Rosa, W.M.P. van der Aalst, M. Dumas, and F.P. Milani. Business Process Variability Modeling: A Survey. ACM COMPUTING SURVEYS, 50(1):2:1–2:45, 2017.
119. A. Polyvyanyy, W.M.P. van der Aalst, A.H.M. ter Hofstede, and M. Wynn. Impact-Driven Process Model Repair. ACM TRANSACTIONS ON SOFTWARE ENGINEERING AND METHODOLOGY, 25(4):28:1–28:60, 2017.
120. G. Acampora, A. Vitiello, B. Di Stefano, W. van der Aalst, C. Günther, and E. Verbeek. IEEE 1849: The XES Standard - The Second IEEE Standard Sponsored by IEEE Computational Intelligence Society. IEEE COMPUTATIONAL INTELLIGENCE MAGAZINE, 12(2):4–8, 2017.
121. W.Z. Low, S.K.L.M. vanden Broucke, M.T. Wynn, A.H.M. ter Hofstede, J. De Weerdt, and W.M.P. van der Aalst. Revising History for Cost-Informed Process Improvement. COMPUTING, 98(9):895–921, 2016.
122. N. Tax, N. Sidorova, R. Haakma, and W.M.P. van der Aalst. Mining Local Process Models. JOURNAL OF INNOVATION IN DIGITAL ECOSYSTEMS, 3(2):183–196, 2016.
123. R. Engel, W. Krathu, M. Zapletal, C. Pichler, J.C. Bose, W.M.P. van der Aalst, H. Werthner, and C. Huemer. Analyzing Inter-Organizational Business Processes. INFORMATION SYSTEMS AND E-BUSINESS MANAGEMENT, 14(3):577–612, 2016.
124. F. Mannhardt, M. de Leoni, H.A. Reijers, and W.M.P. van der Aalst. Balanced Multi-Perspective Checking of Process Conformance. COMPUTING, 98(4):407–437, 2016.
125. H.A. Reijers, I.T.P. Vanderfeesten, and W.M.P. van der Aalst. The Effectiveness of Workflow Management Systems: A Longitudinal Study. INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT, 36(1):126–141, 2016.
126. W.M.P. van der Aalst, M. La Rosa, and F.M. Santoro. Process Management: Don't Forget to Improve the Process! BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 58(1):1–6, 2016.
127. C. Diamantini, L. Genga, D. Potena, and W.M.P. van der Aalst. Building Instance Graphs for Highly Variable Processes. EXPERT SYSTEMS WITH APPLICATIONS, 59:101–118, 2016.
128. S. Suriadi, C. Ouyang, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Event Interval Analysis: Why Do Processes Take Time? DECISION SUPPORT SYSTEMS, 79:77–98, 2015.
129. A. Pika, W.M.P. van der Aalst, M.T. Wynn, C.J. Fidge, and A.H.M. ter Hofstede. Evaluating and Predicting Overall Process Risk Using Event Logs. INFORMATION SCIENCES, 352-353:98–120, 2016.
130. W.M.P. van der Aalst and E. Damiani. Processes Meet Big Data: Connecting Data Science with Process Science. IEEE TRANSACTIONS ON SERVICES COMPUTING, 8(6):810–819, 2015.
131. A. Bolt, M. de Leoni, and W.M.P. van der Aalst. Scientific Workflows for Process Mining: Building Blocks, Scenarios, and Implementation. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 18(6):607–628, 2016.

132. A.A. Kalenkova, W.M.P. van der Aalst, I.A. Lomazova, and V.A. Rubin. Process Mining Using BPMN: Relating Event Logs and Process Models. SOFTWARE AND SYSTEMS MODELING, 16(4):1019–1048, 2017.
133. R. Conforti, M. de Leoni, M. La Rosa, W.M.P. van der Aalst, and A.H.M. ter Hofstede. A Recommendation System for Predicting Risks Across Multiple Business Process Instances. DECISION SUPPORT SYSTEMS, 69:1–19, 2015.
134. L.T. Ly, F.M. Maggi, M. Montali, S. Rinderle-Ma, and W.M.P. van der Aalst. Compliance Monitoring in Business Processes: Functionalities, Application, and Tool Support. INFORMATION SYSTEMS, 54:209–234, 2015.
135. M. Rovani, F.M. Maggi, M. de Leoni, and W.M.P. van der Aalst. Declarative Process Mining in Healthcare. EXPERT SYSTEMS WITH APPLICATIONS, 42(23):9236–9251, 2015.
136. M. de Leoni, W.M.P. van der Aalst, and M. Dees. A General Process Mining Framework for Correlating, Predicting and Clustering Dynamic Behavior Based on Event Logs. INFORMATION SYSTEMS, 56:235–257, 2016.
137. M. de Leoni, F.M. Maggi, and W.M.P. van der Aalst. An Alignment-Based Framework to Check the Conformance of Declarative Process Models and to Preprocess Event-Log Data. INFORMATION SYSTEMS, 47:258–277, January 2015.
138. D. Fahland and W.M.P. van der Aalst. Model Repair: Aligning Process Models to Reality. INFORMATION SYSTEMS, 47:220–243, January 2015.
139. W.M.P. van der Aalst. Business Process Management as the “Killer App” for Petri Nets. SOFTWARE AND SYSTEMS MODELING, 14(2):685–691, 2015.
140. M. de Leoni, S. Suriadi, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Turning Event Logs Into Process Movies: Animating What Has Really Happened. SOFTWARE AND SYSTEMS MODELING, 15(3):707–732, 2016.
141. J.C.A.M. Buijs, B.F. van Dongen, and W.M.P. van der Aalst. Quality Dimensions in Process Discovery: The Importance of Fitness, Precision, Generalization and Simplicity. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 23(1):1–39, 2014.
142. W.M.P. van der Aalst and H.M.W. Verbeek. Process Discovery and Conformance Checking Using Passages. FUNDAMENTA INFORMATICAE, 131(1):103–138, 2014.
143. J. Munoz-Gama, J. Carmona, and W.M.P. van der Aalst. Single-Entry Single-Exit Decomposed Conformance Checking. INFORMATION SYSTEMS, 46:102–122, December 2014.
144. W.M.P. van der Aalst. Geschäftsprozessmodellierung: Die “Killer-Applikation” für Petrinetze. INFORMATIK-SPEKTRUM, 37(3):191–198, 2014.
145. R.P. Jagadeesh Chandra Bose, W.M.P. van der Aalst, I. Zliobaite, and M. Pechenizkiy. Dealing With Concept Drifts in Process Mining. IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, 25(1):154–171, 2014.
146. A. Adriansyah, J. Munoz-Gama, J. Carmona, B.F. van Dongen, and W.M.P. van der Aalst. Measuring Precision of Modeled Behavior. INFORMATION SYSTEMS AND E-BUSINESS MANAGEMENT, 13(1):37–67, 2015.
147. W.M.P. van der Aalst. Decomposing Petri Nets for Process Mining: A Generic Approach. DISTRIBUTED AND PARALLEL DATABASES, 31(4):471–507, 2013.
148. E. Alves Portela Santos, R. Francisco, M. Pesic, and W.M.P. van der Aalst. Supervisory Control Service for Supporting Flexible Processes. INDUSTRIAL MANAGEMENT AND DATA SYSTEMS, 113(7):1007–1024, 2013.
149. D. Fahland and W.M.P. van der Aalst. Simplifying Discovered Process Models in a Controlled Manner. INFORMATION SYSTEMS, 38(4):585–605, 2013.
150. M. Montali, F.M. Maggi, F. Chesani, P. Mello, and W.M.P. van der Aalst. Monitoring Business Constraints with the Event Calculus. ACM TRANSACTIONS ON INTELLIGENT SYSTEMS AND TECHNOLOGY (AMC TIST), 5(1):17:1–17:30, 2013.
151. W.M.P. van der Aalst. Business Process Management: A Comprehensive Survey. ISRN SOFTWARE ENGINEERING, pages 1–37, 2013. doi:10.1155/2013/507984.
152. W.M.P. van der Aalst. Challenges in Business Process Mining (Commentary). JOURNAL OF DATA ANALYSIS, 8(2):31–42, 2013.

153. W.M.P. van der Aalst, C. Stahl, and W. Westergaard. Strategies for Modeling Complex Processes using Colored Petri Nets. In K. Jensen, W.M.P. van der Aalst, G. Balbo, M. Koutny, and K. Wolf, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC VII), volume 7480 of LECTURE NOTES IN COMPUTER SCIENCE, pages 6–55. Springer-Verlag, Berlin, 2013.
154. W.M.P. van der Aalst and B.F. van Dongen. Discovering Petri Nets From Event Logs. In K. Jensen, W.M.P. van der Aalst, G. Balbo, M. Koutny, and K. Wolf, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC VII), volume 7480 of LECTURE NOTES IN COMPUTER SCIENCE, pages 372–422. Springer-Verlag, Berlin, 2013.
155. B.F. van Dongen, J. Desel, and W.M.P. van der Aalst. Aggregating Causal Runs into Workflow Nets. In K. Jensen, W.M.P. van der Aalst, M. Ajmone Marsan, G. Franceschinis, J. Kleijn, and L.M. Kristensen, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC VI), volume 7400 of LECTURE NOTES IN COMPUTER SCIENCE, pages 334–363. Springer-Verlag, Berlin, 2012.
156. W.M.P. van der Aalst. Process Mining. COMMUNICATIONS OF THE ACM, 55(8):76–83, 2012.
157. M. de Leoni, M. Adams, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Visual Support for Work Assignment in Process-Aware Information Systems: Framework Formalisation and Implementation. DECISION SUPPORT SYSTEMS, 54(1):345–361, 2012.
158. R. Mans, W.M.P. van der Aalst, N. Russell, P. Bakker, and A. Moleman. Lightweight Interacting Patient Treatment Processes. INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED ORGANIZATIONS, 2(4):1–19, 2012.
159. R. Accorsi, M. Ullrich, and W.M.P. van der Aalst. Process Mining. INFORMATIK-SPEKTRUM, 35(5):354–359, 2012.
160. W.M.P. van der Aalst. What makes a good process model?: Lessons Learned From Process Mining. SOFTWARE AND SYSTEMS MODELING, 11(4):557–569, 2012.
161. W.M.P. van der Aalst. Service Mining: Using Process Mining to Discover, Check, and Improve Service Behavior. IEEE TRANSACTIONS ON SERVICES COMPUTING, 6(4):525–535, 2013.
162. W.M.P. van der Aalst. Process Mining: Overview and Opportunities. ACM TRANSACTIONS ON MANAGEMENT INFORMATION SYSTEMS, 3(2):7.1–7.17, 2012.
163. W.M.P. van der Aalst and A.H.M. ter Hofstede. Workflow Patterns Put Into Context. SOFTWARE AND SYSTEMS MODELING, 11(3):319–323, 2012.
164. W.M.P. van der Aalst. Process Mining: Making Knowledge Discovery Process Centric. SIGKDD EXPLORATIONS, 13(2):45–49, 2011.
165. W.M.P. van der Aalst, A. Adriansyah, and B. van Dongen. Replaying History on Process Models for Conformance Checking and Performance Analysis. WIRES DATA MINING AND KNOWLEDGE DISCOVERY, 2(2):182–192, 2012.
166. W.M.P. van der Aalst and S. Dustdar. Process Mining Put into Context. IEEE INTERNET COMPUTING, 16(1):82–86, 2012.
167. M. Peleg, N. Mulyar, and W.M.P. van der Aalst. Pattern-Based Analysis of Computer-Interpretable Guidelines: Don't Forget the Context. ARTIFICIAL INTELLIGENCE IN MEDICINE, 54(1):73–74, 2012.
168. W.M.P. van der Aalst. Using Process Mining to Bridge the Gap between BI and BPM. IEEE COMPUTER, 44(12):77–80, 2011.
169. W.M.P. van der Aalst. Process Mining Manifesto: Toward Real Business Intelligence. COMPUTING NOW, December 2011. http://www.computer.org/portal/web/computingnow/pmm.
170. M. La Rosa, P. Wohed, J. Mendling, A.H.M. ter Hofstede, H.A. Reijers, and W.M.P. van der Aalst. Managing Process Model Complexity via Abstract Syntax Modifications. IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, 7(4):614–629, 2011.
171. W.M.P. van der Aalst, N. Lohmann, and M. La Rosa. Ensuring Correctness During Process Configuration Via Partner Synthesis. INFORMATION SYSTEMS, 37(6):574–592, 2012.
172. C. Houy, P. Fettke, P. Loos, W.M.P. van der Aalst, and J. Krogstie. Business Process Management in the Large. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 3(6):385–388, 2011.
173. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Process Diagnostics Using Trace Alignment: Opportunities, Issues, and Challenges. INFORMATION SYSTEMS, 37(2):117–141, 2012.

174. M. La Rosa, A.H.M. ter Hofstede, P. Wohed, H.A. Reijers, J. Mendling, and W.M.P. van der Aalst. Managing Process Model Complexity via Concrete Syntax Modifications. IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, 7(2):255–265, 2011.
175. W.M.P. van der Aalst, K.M. van Hee, A.H.M. ter Hofstede, N. Sidorova, H.M.W. Verbeek, M. Voorhoeve, and M.T. Wynn. Soundness of Workflow Nets: Classification, Decidability, and Analysis. FORMAL ASPECTS OF COMPUTING, 23(3):333–363, 2011.
176. W.M.P. van der Aalst, K.M. van Hee, J.M. van der Werf, A. Kumar, and M. Verdonk. Conceptual Model for Online Auditing. DECISION SUPPORT SYSTEMS, 50(3):636–647, 2011.
177. C. Houy, P. Fettke, P. Loos, W.M.P. van der Aalst, and J. Krogstie. Geschäftsprozessmanagement im Großen. WIRTSCHAFTSINFORMATIK, 53(6):377–381, 2011.
178. I. Vanderfeesten, H.A. Reijers, and W.M.P. van der Aalst. Product-Based Workflow Support. INFORMATION SYSTEMS, 36(2):517–535, 2011.
179. R.S. Mans, N.C. Russell, W.M.P. van der Aalst, A.J. Moleman, and P.J.M. Bakker. Schedule-Aware Workflow Management Systems. In K. Jensen, S. Donatelli, and M. Koutny, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY IV, volume 6550 of LECTURE NOTES IN COMPUTER SCIENCE, pages 121–143. Springer-Verlag, Berlin, 2010.
180. W.M.P. van der Aalst, C. Bratosin, N. Sidorova, and N. Trcka. A Reference Model for Grid Architectures and its Validation. CONCURRENCY AND COMPUTATION: PRACTICE AND EXPERIENCE, 22(11):1365–1385, 2010.
181. M. La Rosa, H.A. Reijers, W.M.P. van der Aalst, R.M. Dijkman, J. Mendling, M. Dumas, and L. Garcia-Banuelos. APROMORE: An Advanced Process Model Repository. EXPERT SYSTEMS WITH APPLICATIONS, 38(6):7029–7040, 2011.
182. W.M.P. van der Aalst, M.H. Schonenberg, and M. Song. Time Prediction Based on Process Mining. INFORMATION SYSTEMS, 36(2):450–475, 2011.
183. E. Baccarin, E.R.M. Madeira, C.B. Medeiros, and W.M.P. van der Aalst. SPICA's Multi-party Negotiation Protocol: Implementation Using YAWL. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 20(3):221–259, 2011.
184. Z. Huang, W.M.P. van der Aalst, X. Lu, and H. Duan. Reinforcement Learning Based Resource Allocation in Business Process Management. DATA AND KNOWLEDGE ENGINEERING, 70(1):127–145, 2011.
185. R.S. Mans, N.C. Russell, W.M.P. van der Aalst, A.J. Moleman, P.J.M. Bakker, and M. Jaspers. Proclets in Healthcare. JOURNAL OF BIOMEDICAL INFORMATICS, 43(4):632–649, 2010.
186. Z. Huang, W.M.P. van der Aalst, X. Lu, and H. Duan. An Adaptive Work Distribution Mechanism Based on Reinforcement Learning. EXPERT SYSTEMS APPLICATIONS, 37(12):7533–7541, 2010.
187. W.M.P. van der Aalst, K.M. van Hee, J.M. van der Werf, and M. Verdonk. Auditing 2.0: Using Process Mining to Support Tomorrow's Auditor. IEEE COMPUTER, 43(3):90–93, 2010.
188. L. Wen, J. Wang, W.M.P. van der Aalst, B. Huang, and J. Sun. Mining Process Models with Prime Invisible Tasks. DATA AND KNOWLEDGE ENGINEERING, 69(10):999–1021, 2010.
189. W.M.P. van der Aalst. Process Discovery: Capturing the Invisible. IEEE COMPUTATIONAL INTELLIGENCE MAGAZINE, 5(1):28–41, 2010.
190. H. Zha, W.M.P. van der Aalst, J. Wang, L. Wen, and J. Sun. Verifying Workflow Processes: A Transformation-Based Approach. SOFTWARE AND SYSTEMS MODELING, 10(2):253–264, 2011.
191. L. Aldred, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. Dimensions of Coupling in Middleware. CONCURRENCY AND COMPUTATION: PRACTICE AND EXPERIENCE, 21(18):2233–2269, 2009.
192. R.S. Mans, N.C. Russell, W.M.P. van der Aalst, P.J.M. Bakker, and A.J. Moleman. Simulation to analyze the impact of a Schedule-Aware Workflow Management System. SIMULATION: TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, 86(8-9):519–541, 2010.
193. J. Zhang, X. Lu, H. Nie, Z. Huang, and W.M.P. van der Aalst. Radiology Information System: A Workflow-Based Approach. INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY, 4(5):509–516, 2009.
194. W.M.P. van der Aalst, R.S. Mans, and N.C. Russell. Workflow Support Using Proclets: Divide, Interact, and Conquer. IEEE BULLETIN OF THE TECHNICAL COMMITTEE ON DATA ENGINEERING, 32(3):16–22, 2009.
195. W.M.P. van der Aalst, K.M. van Hee, A.H.M. ter Hofstede, N. Sidorova, H.M.W. Verbeek, M. Voorhoeve, and M.T. Wynn. Soundness of Workflow Nets with Reset Arcs. In K. Jensen, J. Billington, and M. Koutny,

editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY III, volume 5800 of LECTURE NOTES IN COMPUTER SCIENCE, pages 50–70. Springer-Verlag, Berlin, 2009.
196. R.S. Mans, W.M.P. van der Aalst, N.C. Russell, P.J.M. Bakker, A.J. Moleman, K.B. Lassen, and J.B. Jørgensen. From Requirements via Colored Workflow Nets to an Implementation in Several Workflow Systems. In K. Jensen, J. Billington, and M. Koutny, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY III, volume 5800 of LECTURE NOTES IN COMPUTER SCIENCE, pages 25–49. Springer-Verlag, Berlin, 2009.
197. N.C. Russell, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Designing a Workflow System using Coloured Petri Nets. In K. Jensen, J. Billington, and M. Koutny, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY III, volume 5800 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–24. Springer-Verlag, Berlin, 2009.
198. J. Mendling, H. Reijers, and W.M.P. van der Aalst. Seven Process Modeling Guidelines (7PMG). INFORMATION AND SOFTWARE TECHNOLOGY, 52(2):127–136, 2010.
199. M. Montali, M. Pesic, W.M.P. van der Aalst, F. Chesani, P. Mello, and S. Storari. Declarative Specification and Verification of Service Choreographies. ACM TRANSACTIONS ON THE WEB, 4(1):1–62, 2010.
200. A. Rozinat, I.S.M. de Jong, C.W. Günther, and W.M.P. van der Aalst. Process Mining Applied to the Test Process of Wafer Scanners in ASML. IEEE TRANSACTIONS ON SYSTEMS, MAN AND CYBERNETICS, PART C, 39(4):474–479, 2009.
201. P. Wohed, N.C. Russell, A.H.M. ter Hofstede, B. Andersson, and W.M.P. van der Aalst. Patterns-based Evaluation of Open Source BPM Systems: The Cases of jBPM, OpenWFE, and Enhydra Shark. INFORMATION AND SOFTWARE TECHNOLOGY, 51(8):1187–1216, 2009.
202. H.M.W. Verbeek, M.T. Wynn, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Reduction Rules for Reset/Inhibitor Nets. JOURNAL OF COMPUTER AND SYSTEM SCIENCES, 76(2):125–143, 2010.
203. W.M.P. van der Aalst, M. Pesic, and H. Schonenberg. Declarative Workflows: Balancing Between Flexibility and Support. COMPUTER SCIENCE - RESEARCH AND DEVELOPMENT, 23(2):99–113, 2009.
204. W.M.P. van der Aalst, M. Dumas, F. Gottschalk, A.H.M. ter Hofstede, M. La Rosa, and J. Mendling. Preserving Correctness During Business Process Model Configuration. FORMAL ASPECTS OF COMPUTING, 22(3):459–482, 2010.
205. W.M.P. van der Aalst. Process-Aware Information Systems: Lessons to Be Learned from Process Mining. In K. Jensen and W.M.P. van der Aalst, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY II, volume 5460 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–26. Springer-Verlag, Berlin, 2009.
206. A. Rozinat, M. Wynn, W.M.P. van der Aalst, A.H.M. ter Hofstede, and C. Fidge. Workflow Simulation for Operational Decision Support. DATA AND KNOWLEDGE ENGINEERING, 68(9):834–850, 2009.
207. A. Rozinat, R.S. Mans, M. Song, and W.M.P. van der Aalst. Discovering Simulation Models. INFORMATION SYSTEMS, 34(3):305–327, 2009.
208. W.M.P. van der Aalst, V. Rubin, H.M.W. Verbeek, B.F. van Dongen, E. Kindler, and C.W. Günther. Process Mining: A Two-Step Approach to Balance Between Underfitting and Overfitting. SOFTWARE AND SYSTEMS MODELING, 9(1):87–111, 2010.
209. M. La Rosa, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. Questionnaire-based Variability Modeling for System Configuration. SOFTWARE AND SYSTEMS MODELING, 8(2):251–274, 2009.
210. W.M.P. van der Aalst, N. Lohmann, P. Massuthe, C. Stahl, and K. Wolf. Multiparty Contracts: Agreeing and Implementing Interorganizational Processes. THE COMPUTER JOURNAL, 53(1):90–106, 2010.
211. H.M.W. Verbeek, A.J. Pretorius, W.M.P. van der Aalst, and J. van Wijk. Assessing State Spaces Using Petri-Net Synthesis and Attribute-Based Visualization. In K. Jensen, W.M.P. van der Aalst, and J. Billington, editors, TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY I, volume 5100 of LECTURE NOTES IN COMPUTER SCIENCE, pages 152–171. Springer-Verlag, Berlin, 2008.
212. J. Mendling, B.F. van Dongen, and W.M.P. van der Aalst. Getting rid of OR-joins and Multiple Start Events in Business Process Models. ENTERPRISE INFORMATION SYSTEMS, 2(4):403–419, 2008.
213. K.M. van Hee, A. Serebrenik, N. Sidorova, and W.M.P. van der Aalst. Working with the Past: Integrating History in Petri Nets. FUNDAMENTA INFORMATICAE, 88(3):387–409, 2008.

214. A. Dreiling, M. Rosemann, W.M.P. van der Aalst, and W. Sadiq. From Conceptual Process Models to Running Systems: A Holistic Approach for the Configuration of Enterprise System Processes. DECISION SUPPORT SYSTEMS, 45(2):189–207, 2008.
215. M.T. Wynn, H.M.W. Verbeek, W.M.P. van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Soundness-preserving Reduction Rules for Reset Workflow Nets. INFORMATION SCIENCES, 179(6):769–790, 2009.
216. M.T. Wynn, W.M.P. van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Synchronisation and Cancelation in Workflows based on Reset Nets. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 18(1):63–114, 2009.
217. W.M.P. van der Aalst and H.M.W. Verbeek. Process Mining in Web Services: The WebSphere Case. IEEE BULLETIN OF THE TECHNICAL COMMITTEE ON DATA ENGINEERING, 31(3):45–48, 2008.
218. M.T. Wynn, H.M.W. Verbeek, W.M.P. van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Reduction Rules for YAWL Workflows with Cancellation Regions and OR-join. INFORMATION AND SOFTWARE TECHNOLOGY, 51(6):1010–1020, 2009.
219. M. Song and W.M.P. van der Aalst. Towards Comprehensive Support for Organizational Mining. DECISION SUPPORT SYSTEMS, 46(1):300–317, 2008.
220. K.B. Lassen and W.M.P. van der Aalst. Complexity Metrics for Workflow Nets. INFORMATION AND SOFTWARE TECHNOLOGY, 51(3):610–626, 2009.
221. A. Koca, M. Funk, E. Karapanos, A. Rozinat, W.M.P. van der Aalst, H. Corporaal, J. Martens, P. van der Putten, A. Weijters, and A. Brombacher. Soft Reliability: An Interdisciplinary Approach with a User-System Focus. QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL, 25(1):3–20, 2009.
222. C. Ouyang, M. Dumas, W.M.P. van der Aalst, A.H.M. ter Hofstede, and J. Mendling. From Business Process Models to Process-oriented Software Systems. ACM TRANSACTIONS ON SOFTWARE ENGINEERING AND METHODOLOGY, 19(1):1–37, 2009.
223. F. Gottschalk, W.M.P. van der Aalst, M.H. Jansen-Vullers, and M. La Rosa. Configurable Workflow Models. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 17(2):177–221, 2008.
224. I. Vanderfeesten, H.A. Reijers, and W.M.P. van der Aalst. Evaluating Workflow Process Designs using Cohesion and Coupling Metrics. COMPUTERS IN INDUSTRY, 59(5):420–437, 2008.
225. L. Wen, J. Wang, W.M.P. van der Aalst, B. Huang, and J. Sun. A Novel Approach for Process Mining Based on Event Types. JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 32(2):163–190, 2009.
226. W.M.P. van der Aalst and A. Nikolov. Mining E-Mail Messages: Uncovering Interaction Patterns and Processes using E-mail Logs. INTERNATIONAL JOURNAL OF INTELLIGENT INFORMATION TECHNOLOGIES, 4(3):27–45, 2008.
227. J. Mendling, H.M.W. Verbeek, B.F. van Dongen, W.M.P. van der Aalst, and G. Neumann. Detection and Prediction of Errors in EPCs of the SAP Reference Model. DATA AND KNOWLEDGE ENGINEERING, 64(1):312–329, 2008.
228. N. Mulyar, W.M.P. van der Aalst, and M. Peleg. A Pattern-based Analysis of Clinical Computer-Interpretable Guideline Modeling Languages. JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION, 14(6):781–787, 2007.
229. W.M.P. van der Aalst, M. Dumas, C. Ouyang, A. Rozinat, and H.M.W. Verbeek. Conformance Checking of Service Behavior. ACM TRANSACTIONS ON INTERNET TECHNOLOGY, 8(3):29–59, 2008.
230. C.W. Günther, S. Rinderle, M. Reichert, W.M.P. van der Aalst, and J. Recker. Using Process Mining to Learn from Process Changes in Evolutionary Systems. INTERNATIONAL JOURNAL OF BUSINESS PROCESS INTEGRATION AND MANAGEMENT, 3(1):61–79, 2008.
231. C. Ouyang, W.M.P. van der Aalst, S. Breutel, M. Dumas, A.H.M. ter Hofstede, and H.M.W. Verbeek. Formal Semantics and Analysis of Control Flow in WS-BPEL. SCIENCE OF COMPUTER PROGRAMMING, 67(2-3):162–198, 2007.
232. N. Russell, W.M.P. van der Aalst, and A.H.M. ter Hofstede. All That Glitters Is Not Gold: Selecting the Right Tool for Your BPM Needs. CUTTER IT JOURNAL, 20(11):31–38, 2007.
233. A.K. Alves de Medeiros, A.J.M.M. Weijters, and W.M.P. van der Aalst. Genetic Process Mining: An Experimental Evaluation. DATA MINING AND KNOWLEDGE DISCOVERY, 14(2):245–304, 2007.
234. F. Gottschalk, W.M.P. van der Aalst, M.H. Jansen-Vullers, and H.M.W. Verbeek. Protos2CPN: Using Colored Petri Nets for Configuring and Testing Business Processes. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 10(1):95–111, 2008.

235. A. Rozinat, R.S. Mans, M. Song, and W.M.P. van der Aalst. Discovering Colored Petri Nets From Event Logs. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 10(1):57–74, 2008.
236. J.B. Jørgensen, K.B. Lassen, and W.M.P. van der Aalst. From Task Descriptions via Coloured Petri Nets Towards an Implementation of a New Electronic Patient Record. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 10(1):15–28, 2008.
237. M.T. Wynn, H.M.W. Verbeek, W.M.P. van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Business Process Verification: Finally a Reality! BUSINESS PROCESS MANAGEMENT JOURNAL, 15(1):74–92, 2009.
238. C. Ouyang, M. Dumas, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Pattern-Based Translation of BPMN Process Models to BPEL Web Services. INTERNATIONAL JOURNAL OF WEB SERVICES RESEARCH, 5(1):42–62, 2007.
239. A.K. Alves de Medeiros, W.M.P. van der Aalst, and A.J.M.M. Weijters. Quantifying Process Equivalence Based on Observed Behavior. DATA AND KNOWLEDGE ENGINEERING, 64(1):55–74, 2008.
240. A. Rozinat and W.M.P. van der Aalst. Conformance Checking of Processes Based on Monitoring Real Behavior. INFORMATION SYSTEMS, 33(1):64–95, 2008.
241. K. Rouibah, S. Rouibah, and W.M.P. van der Aalst. Combining Workflow and PDM Based on the Workflow Management Coalition and STEP standards: The Case of Axalant. INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, 20(8):811–827, 2007.
242. M. Pesic and W.M.P. van der Aalst. Modeling Work Distribution Mechanisms using Colored Petri Nets. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 9(3-4):327–352, 2007.
243. B.F. van Dongen, M.H. Jansen-Vullers, H.M.W. Verbeek, and W.M.P. van der Aalst. Verification of the SAP Reference Models Using EPC Reduction, State-space Analysis, and Invariants. COMPUTERS IN INDUSTRY, 58(6):578–601, 2007.
244. L. Wen, W.M.P. van der Aalst, J. Wang, and J. Sun. Mining Process Models with Non-Free-Choice Constructs. DATA MINING AND KNOWLEDGE DISCOVERY, 15(2):145–180, 2007.
245. G. Leonardi, S. Panzarasa, S. Quaglini, M. Stefanelli, and W.M.P. van der Aalst. Interacting Agents through a Web-based Health Serviceflow Management System. JOURNAL OF BIOMEDICAL INFORMATICS, 40(5):486–499, 2007.
246. W.M.P. van der Aalst, M. Rosemann, and M. Dumas. Deadline-based Escalation in Process-Aware Information Systems. DECISION SUPPORT SYSTEMS, 43(2):492–511, 2007.
247. H.M.W. Verbeek, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Verifying Workflows with Cancellation Regions and OR-joins: An Approach Based on Relaxed Soundness and Invariants. THE COMPUTER JOURNAL, 50(3):294–314, 2007.
248. E. Liu, A. Kumar, and W.M.P. van der Aalst. A Formal Modeling Approach for Supply Chain Event Management. DECISION SUPPORT SYSTEMS, 43(3):761–778, 2007.
249. W.M.P. van der Aalst and K.B. Lassen. Translating Unstructured Workflow Processes to Readable BPEL: Theory and Implementation. INFORMATION AND SOFTWARE TECHNOLOGY, 50(3):131–159, 2008.
250. W.M.P. van der Aalst. Matching Observed Behavior and Modeled Behavior: An Approach Based on Petri nets and Integer Programming. DECISION SUPPORT SYSTEMS, 42(3):1843–1859, 2006.
251. W.M.P. van der Aalst, H.A. Reijers, A.J.M.M. Weijters, B.F. van Dongen, A.K. Alves de Medeiros, M. Song, and H.M.W. Verbeek. Business Process Mining: An Industrial Application. INFORMATION SYSTEMS, 32(5):713–732, 2007.
252. A. Dreiling, M. Rosemann, W.M.P. van der Aalst, L. Heuser, and K. Schulz. Model-Based Software Configuration: Patterns and Languages. EUROPEAN JOURNAL OF INFORMATION SYSTEMS, 15(6):583–600, 2006.
253. W.M.P. van der Aalst, B. Benatallah, F. Casati, F. Curbera, and H.M.W. Verbeek. Business Process Management: Where Business Processes and Web Services Meet. DATA AND KNOWLEDGE ENGINEERING, 61(1):1–5, 2007.
254. L. Maruster, A.J.M.M. Weijters, W.M.P. van der Aalst, and A. van den Bosch. A Rule-Based Approach for Process Discovery: Dealing with Noise and Imbalance in Process Logs. DATA MINING AND KNOWLEDGE DISCOVERY, 13(1):67–87, 2006.
255. W.M.P. van der Aalst. Exploring the CSCW Spectrum Using Process Mining. INTERNATIONAL JOURNAL OF ADVANCED ENGINEERING INFORMATICS, 21(2):191–199, 2007.

256. U. Zdun, C. Hentrich, and W.M.P. van der Aalst. A Survey of Patterns for Service-Oriented Architectures. INTERNATIONAL JOURNAL OF INTERNET PROTOCOL TECHNOLOGY, 1(3):132–143, 2006.
257. M.H. Jansen-Vullers, W.M.P. van der Aalst, and M. Rosemann. Mining Configurable Enterprise Information Systems. DATA AND KNOWLEDGE ENGINEERING, 56(3):195–244, 2006.
258. M. Rosemann and W.M.P. van der Aalst. A Configurable Reference Modelling Language. INFORMATION SYSTEMS, 32(1):1–23, 2007.
259. U. Riss, A. Rickayzen, H. Maus, and W.M.P. van der Aalst. Challenges for Business Process and Task Management. JOURNAL OF UNIVERSAL KNOWLEDGE MANAGEMENT, 0(2):77–100, 2005.
260. W.M.P. van der Aalst, H.A. Reijers, and M. Song. Discovering Social Networks from Event Logs. COMPUTER SUPPORTED COOPERATIVE WORK, 14(6):549–593, 2005.
261. W.M.P. van der Aalst. Business Alignment: Using Process Mining as a Tool for Delta Analysis and Conformance Testing. REQUIREMENTS ENGINEERING JOURNAL, 10(3):198–211, 2005.
262. H.A. Reijers and W.M.P. van der Aalst. The Effectiveness of Workflow Management Systems: Predictions and Lessons Learned. INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT, 25(5):458–472, 2005.
263. S. Dustdar, T. Hoffmann, and W.M.P. van der Aalst. Mining of ad-hoc business processes with TeamLog. DATA AND KNOWLEDGE ENGINEERING, 55(2):129–158, 2005.
264. W.M.P. van der Aalst and A.H.M. ter Hofstede. YAWL: Yet Another Workflow Language. INFORMATION SYSTEMS, 30(4):245–275, 2005.
265. W.M.P. van der Aalst, M. Weske, and D. Grünbauer. Case Handling: A New Paradigm for Business Process Support. DATA AND KNOWLEDGE ENGINEERING, 53(2):129–162, 2005.
266. W.M.P. van der Aalst and A.K. Alves de Medeiros. Process Mining and Security: Detecting Anomalous Process Executions and Checking Process Conformance. ELECTRONIC NOTES IN THEORETICAL COMPUTER SCIENCE, 121:3–21, 2005.
267. J. Dehnert and W.M.P. van der Aalst. Bridging the Gap Between Business Models and Workflow Specifications. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 13(3):289–332, 2004.
268. M. Weske, W.M.P. van der Aalst, and H.M.W. Verbeek. Advances in Business Process Management. DATA AND KNOWLEDGE ENGINEERING, 50(1):1–8, 2004.
269. W.M.P. van der Aalst. Business Process Management: A Personal View. BUSINESS PROCESS MANAGEMENT JOURNAL, 10(2):135–139, 2004.
270. W.M.P. van der Aalst, A.J.M.M. Weijters, and L. Maruster. Workflow Mining: Discovering Process Models from Event Logs. IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING, 16(9):1128–1142, 2004.
271. W.M.P. van der Aalst and A.J.M.M. Weijters. Process Mining: A Research Agenda. COMPUTERS IN INDUSTRY, 53(3):231–244, 2004.
272. W.M.P. van der Aalst, M. Weske, and G. Wirtz. Advanced Topics in Workflow Management: Issues, Requirements, and Solutions. JOURNAL OF INTEGRATED DESIGN AND PROCESS SCIENCE, 7(3):49–77, 2003.
273. H.M.W. Verbeek, W.M.P. van der Aalst, and A. Kumar. XRL/Woflan: Verification and Extensibility of an XML/Petri-net-based Language for Inter-organizational Workflows. INFORMATION TECHNOLOGY AND MANAGEMENT JOURNAL, 5(1-2):65–110, 2004.
274. H.A. Reijers, S. Limam, and W.M.P. van der Aalst. Product-based Workflow Design. JOURNAL OF MANAGEMENT INFORMATION SYSTEMS, 20(1):229–262, 2003.
275. H. Reijers, J. Rigter, and W.M.P. van der Aalst. The Case Handling Case. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 12(3):365–391, 2003.
276. W.M.P. van der Aalst, B.F. van Dongen, J. Herbst, L. Maruster, G. Schimm, and A.J.M.M. Weijters. Workflow Mining: A Survey of Issues and Approaches. DATA AND KNOWLEDGE ENGINEERING, 47(2):237–267, 2003.
277. A.J.M.M. Weijters and W.M.P. van der Aalst. Rediscovering Workflow Models from Event-Based Data using Little Thumb. INTEGRATED COMPUTER-AIDED ENGINEERING, 10(2):151–162, 2003.
278. W.M.P. van der Aalst, M. Stoffele, and J.W.F. Wamelink. Case Handling in Construction. AUTOMATION IN CONSTRUCTION, 12(3):303–320, 2003.

279. W.M.P. van der Aalst, A.H.M. ter Hofstede, B. Kiepuszewski, and A.P. Barros. Workflow Patterns. DISTRIBUTED AND PARALLEL DATABASES, 14(1):5–51, 2003.
280. B. Kiepuszewski, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Fundamentals of Control Flow in Workflows. ACTA INFORMATICA, 39(3):143–209, 2003.
281. W.M.P. van der Aalst. Inheritance of Interorganizational Workflows: How to Agree to Disagree Without Loosing Control? INFORMATION TECHNOLOGY AND MANAGEMENT JOURNAL, 4(4):345–389, 2003.
282. W.M.P. van der Aalst. Inheritance of Interorganizational Workflows to Enable Business-to-Business E-commerce. ELECTRONIC COMMERCE RESEARCH, 2(3):195–231, 2002.
283. W.M.P. van der Aalst and A. Kumar. XML Based Schema Definition for Support of Inter-organizational Workflow. INFORMATION SYSTEMS RESEARCH, 14(1):23–46, 2003.
284. W.M.P. van der Aalst. Don't Go With The Flow: Web Services Composition Standards Exposed. IEEE INTELLIGENT SYSTEMS, 18(1):72–76, 2003.
285. W.M.P. van der Aalst, K.M. van Hee, and R.A. van der Toorn. Compositionality of Projection Inheritance (Erratum). SCIENCE OF COMPUTER PROGRAMMING, 44(3):343–344, 2002.
286. W.M.P. van der Aalst and T. Basten. Inheritance of Workflows: An Approach to Tackling Problems Related to Change. THEORETICAL COMPUTER SCIENCE, 270(1-2):125–203, 2002.
287. W.M.P. van der Aalst, K.M. van Hee, and R.A. van der Toorn. Component-Based Software Architectures: A Framework Based on Inheritance of Behavior. SCIENCE OF COMPUTER PROGRAMMING, 42(2-3):129–171, 2002.
288. A. Kumar, W.M.P. van der Aalst, and H.M.W. Verbeek. Dynamic Work Distribution in Workflow Management Systems: How to Balance Quality and Performance? JOURNAL OF MANAGEMENT INFORMATION SYSTEMS, 18(3):157–193, 2002.
289. W.M.P. van der Aalst, P. Barthelmess, C.A. Ellis, and J. Wainer. Proclets: A Framework for Lightweight Interacting Workflow Processes. INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS, 10(4):443–482, 2001.
290. H.M.W. Verbeek, T. Basten, and W.M.P. van der Aalst. Diagnosing Workflow Processes using Woflan. THE COMPUTER JOURNAL, 44(4):246–279, 2001.
291. W.M.P. van der Aalst and A. Kumar. Team-Enabled Workflow Management Systems. DATA AND KNOWLEDGE ENGINEERING, 38(3):335–363, 2001.
292. W.M.P. van der Aalst. Exterminating the Dynamic Change Bug: A Concrete Approach to Support Workflow Change. INFORMATION SYSTEMS FRONTIERS, 3(3):297–317, 2001.
293. W.M.P. van der Aalst. How to Handle Dynamic Change and Capture Management Information: An Approach Based on Generic Workflow Models. INTERNATIONAL JOURNAL OF COMPUTER SYSTEMS, SCIENCE, AND ENGINEERING, 16(5):295–318, 2001.
294. T. Basten and W.M.P. van der Aalst. Inheritance of Behavior. JOURNAL OF LOGIC AND ALGEBRAIC PROGRAMMING, 47(2):47–145, 2001.
295. W.M.P. van der Aalst. Reengineering Knock-out Processes. DECISION SUPPORT SYSTEMS, 30(4):451–468, 2001.
296. W.M.P. van der Aalst and S. Jablonski. Dealing with Workflow Change: Identification of Issues and Solutions. INTERNATIONAL JOURNAL OF COMPUTER SYSTEMS, SCIENCE, AND ENGINEERING, 15(5):267–276, 2000.
297. W.M.P. van der Aalst, K.M. van Hee, and H.A. Reijers. Analysis of Discrete-time Stochastic Petri Nets. STATISTICA NEERLANDICA, 54(2):237–255, 2000.
298. W.M.P. van der Aalst. Loosely Coupled Interorganizational Workflows: Modeling and Analyzing Workflows Crossing Organizational Boundaries. INFORMATION AND MANAGEMENT, 37(2):67–75, March 2000.
299. W.M.P. van der Aalst and A.H.M. ter Hofstede. Verification of Workflow Task Structures: A Petri-net-based Approach. INFORMATION SYSTEMS, 25(1):43–69, 2000.
300. W.M.P. van der Aalst. Process-oriented Architectures for Electronic Commerce and Interorganizational Workflow. INFORMATION SYSTEMS, 24(8):639–671, 2000.
301. E. Kindler and W.M.P. van der Aalst. Liveness, Fairness, and Recurrence. INFORMATION PROCESSING LETTERS, 70(6):269–274, June 1999.

302. A.P. Sheth, W.M.P. van der Aalst, and I.B. Arpinar. Processes Driving the Networked Economy: ProcessPortals, ProcessVortex, and Dynamically Trading Processes. IEEE CONCURRENCY, 7(3):18–31, 1999.
303. W.M.P. van der Aalst. On the Automatic Generation of Workflow Processes Based on Product Structures. COMPUTERS IN INDUSTRY, 39:97–111, 1999.
304. W.M.P. van der Aalst. Formalization and Verification of Event-driven Process Chains. INFORMATION AND SOFTWARE TECHNOLOGY, 41(10):639–650, 1999.
305. W.M.P. van der Aalst. Woflan: A Petri-net-based Workflow Analyzer. SYSTEMS ANALYSIS - MODELLING - SIMULATION, 35(3):345–357, 1999.
306. W.M.P. van der Aalst. Interorganizational Workflows: An Approach based on Message Sequence Charts and Petri Nets. SYSTEMS ANALYSIS - MODELLING - SIMULATION, 34(3):335–367, 1999.
307. W.M.P. van der Aalst. The Application of Petri Nets to Workflow Management. THE JOURNAL OF CIRCUITS, SYSTEMS AND COMPUTERS, 8(1):21–66, 1998.
308. W.M.P. van der Aalst. Petri net based scheduling. OR SPECTRUM, 18:219–229, 1996.
309. W.M.P. van der Aalst and K.M. van Hee. Business Process Redesign: A Petri-net-based approach. COMPUTERS IN INDUSTRY, 29(1-2):15–26, 1996.
310. W.M.P. van der Aalst and M.A. Odijk. Analysis of Railway Stations by means of Interval Timed Coloured Petri Nets. REAL-TIME SYSTEMS, 9(3):241–263, 1995.
311. W.M.P. van der Aalst. Putting Petri nets to work in industry. COMPUTERS IN INDUSTRY, 25(1):45–54, 1994.

CONFERENCE AND WORKSHOP PAPERS

1. W.M.P. van der Aalst and M.A. Odijk. Analysis of Railway Stations by means of Interval Timed Coloured Petri Nets. REAL-TIME SYSTEMS, 9(3):241–263, 1995.
2. W.M.P. van der Aalst. Putting Petri nets to work in industry. COMPUTERS IN INDUSTRY, 25(1):45–54, 1994.
3. A. Norouzifar and W.M.P. van der Aalst. Discriminative Rule Learning for Outcome-Guided Process Model Discovery. In C. Cappiello, O. Hartig, M. Sellami, and A. Ouni, editors, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2025), volume 15535 of LECTURE NOTES IN COMPUTER SCIENCE, pages 15–32. Springer-Verlag, Berlin, 2026.
4. C. Pitsch, T. Brockhoff, J.N. Adams, S.J.J. Leemans, L.A. Celi, and W.M.P. van der Aalst. Hypothesis Testing for Processes. In J. De Weerdt, J.R. Rehse, and H. Reijers, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2025), pages 1–8. IEEE Computer Society, 2025.
5. C. Rennert, J. Albers, S.J.J. Leemans, and W.M.P. van der Aalst. Your Secret Is Safe With Me: Federated Directly-Follows Graph Discovery. In J. De Weerdt, J.R. Rehse, and H. Reijers, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2025), pages 1–8. IEEE Computer Society, 2025.
6. F. Vinci, W.M.P. van der Aalst G. Park, and M. de Leoni. Reliable and Configurable Process Simulations via Probabilistic White-Box Models. In M. Aiello, S. Deng, J.M. Murillo, I. Georgievski, B. Benatallah, and Z. Wang, editors, INTERNATIONAL CONFERENCE ON SERVICE-ORIENTED COMPUTING (ICSOC 2025), volume 16321 of LECTURE NOTES IN COMPUTER SCIENCE, pages 337–352. Springer-Verlag, Berlin, 2025.
7. H. Kourani, G. Park, and W.M.P. van der Aalst. Unlocking Non-Block-Structured Decisions: Inductive Mining with Choice Graphs. In A. Senderovich, C. Cabanillas, I. Vanderfeesten, and H. Reijers, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2025), volume 16044 of LECTURE NOTES IN COMPUTER SCIENCE, pages 144–161. Springer-Verlag, Berlin, 2025.
8. A. Küsters and W.M.P. van der Aalst. OC-DECLARE: Discovering Object-Centric Declarative Patterns with Synchronization. In A. Senderovich, C. Cabanillas, I. Vanderfeesten, and H. Reijers, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2025), volume 16044 of LECTURE NOTES IN COMPUTER SCIENCE, pages 162–179. Springer-Verlag, Berlin, 2025.
9. L. Liss and W.M.P. van der Aalst. Process Area Extraction by Multilevel Resource Detection for Object-Centric Process Mining. In A. Senderovich, C. Cabanillas, I. Vanderfeesten, and H. Reijers, editors,

INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2025), volume 16044 of LECTURE NOTES IN COMPUTER SCIENCE, pages 197–214. Springer-Verlag, Berlin, 2025.
10. F. Vinci, G. Park, W.M.P. van der Aalst, and M. de Leoni. Online Discovery of Simulation Models for Evolving Business Processes. In A. Senderovich, C. Cabanillas, I. Vanderfeesten, and H. Reijers, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2025), volume 16044 of LECTURE NOTES IN COMPUTER SCIENCE, pages 451–468. Springer-Verlag, Berlin, 2025.
11. D. Lee, M. Song, and W.M.P. van der Aalst. Layouting Object-Centric Directly Follows Graphs. In A. Senderovich, C. Cabanillas, I. Vanderfeesten, and H. Reijers, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM 2025), volume 564 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 204–220. Springer-Verlag, Berlin, 2025.
12. A. Küsters and W.M.P. van der Aalst. Easy and Efficient Object-Centric Process Querying with the OCPQ Tool. In H. Reijers, A. Marrella, A. del Rio Ortega, S. Rinderle-Ma, B. Depaire, J.R. Rehse, F. Santoro, F. Zerbato, A. Marquez-Chamorro, I. Beerepoot, S. Agostinelli, and J. De Smedt, editors, BPM 2025 BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION AND RESOURCES FORUM (BPM DEMOS 2025), volume 4032 of CEUR WORKSHOP PROCEEDINGS, pages 184–191. CEUR-WS.org, 2025.
13. D. Kretzschmann, A. Berti, and W.M.P. van der Aalst. A Data-Driven Framework for Retail Inventory Optimization: Integrating Object-Centric Process Mining and Mathematical Models. In K. Wecel, editor, INTERNATIONAL CONFERENCE ON BUSINESS INFORMATION SYSTEMS (BIS 2025), pages 179–193, 2025.
14. A. Küsters and W.M.P. van der Aalst. OCPQ: Object-Centric Process Querying and Constraints. In J. Grabis, T. Vos, M.J. Escalona, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2025), volume 547 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 383–400. Springer-Verlag, Berlin, 2025.
15. W.M.P. van der Aalst. No AI Without PI! Object-Centric Process Mining as the Enabler for Generative, Predictive, and Prescriptive Artificial Intelligence. In C. Kahraman, S. Cebi, B. Oztaysi, S.C. Onar, C. Tolga, I.U. Sari, and I. Otay, editors, INTELLIGENT AND FUZZY SYSTEMS, volume 1528 of LECTURE NOTES IN NETWORKS AND SYSTEMS, pages 28–38. Springer-Verlag, Berlin, 2025.
16. S.Y. Kim, L. Tirpitz, M. Wagels, B.T. Arnold, C. Rennert, I. Koren, J. Rapp, M. Moser, W.M.P. van der Aalst, B. Rumpe, R.H. Schmitt, J. Pennekamp, and S. Geisler. Dataspaces for collaborative research. In IEEE INTERNATIONAL CONFERENCE ON BIG DATA (BIGDATA), pages 3835–3844, 2025.
17. C.T. Schwanen, W. Pakusa, and W.M.P. van der Aalst. Alignments meet Linear Algebra. In M. Köhler-Bussmeier, D. Moldt, H. Rölke, R. Bergenthum, A. Rivkin, J.M. van der Werf, J. Desel, and L. Petrucci, editors, WORKSHOP ON ALGORITHMS & THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2025), volume 3998 of CEUR WORKSHOP PROCEEDINGS, pages 185–200. CEUR-WS.org, 2025.
18. N. Graves, A. Fritsch, R. Hensen, I. Koren, and W.M.P. van der Aalst. Object-Centric Process Mining for Semi-Automated and Multi-Perspective Sustainability Analyses. In INTERNATIONAL CONFERENCE ON ICT FOR SUSTAINABILITY (ICT4S 2025), pages 143–152. IEEE Computer Society, 2025.
19. S. Folz-Weinstein, C. Rennert, L.L. Mannel, R. Bergenthum, and W.M.P. van der Aalst. eST2 Miner: Process Discovery Based on Firing Partial Orders. In J. Krogstie, S. Rinderle-Ma, G. Kappel, and H.A. Proper, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2025), volume 15702 of LECTURE NOTES IN COMPUTER SCIENCE, pages 59–75. Springer-Verlag, Berlin, 2025.
20. L. Liss, C. Mensing, and W.M.P. van der Aalst. Object-Centric Causal Nets. In J. Krogstie, S. Rinderle-Ma, G. Kappel, and H.A. Proper, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2025), volume 15702 of LECTURE NOTES IN COMPUTER SCIENCE, pages 94–110. Springer-Verlag, Berlin, 2025.
21. H.H. Beyel, C.T. Schwanen, and W.M.P. van der Aalst. Translucent Alignments. In J. Krogstie, S. Rinderle-Ma, G. Kappel, and H.A. Proper, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2025), volume 15702 of LECTURE NOTES IN COMPUTER SCIENCE, pages 167–184. Springer-Verlag, Berlin, 2025.
22. H. Kourani, G. Park, and W.M.P. van der Aalst. Translating Workflow Nets into the Partially Ordered Workflow Language. In E.G. Amparore and L. Mikulski, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2025), volume 15714 of LECTURE NOTES IN COMPUTER SCIENCE, pages 242–264. Springer-Verlag, Berlin, 2025.

23. T.M. Prinz, C.T. Schwanen, and W.M.P. van der Aalst. Deciding (Sub-Marking) Reachability in $O(P^2 + T^2)$ for Sound Acyclic Free-Choice Workflow Nets. In E.G. Amparore and L. Mikulski, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2025), volume 15714 of LECTURE NOTES IN COMPUTER SCIENCE, pages 366–387. Springer-Verlag, Berlin, 2025.
24. C.T. Schwanen, W. Pakusa, and W.M.P. van der Aalst. Complexity of Alignments on Sound Free-Choice Workflow Nets. In E.G. Amparore and L. Mikulski, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2025), volume 15714 of LECTURE NOTES IN COMPUTER SCIENCE, pages 388–410. Springer-Verlag, Berlin, 2025.
25. A. Siddiqui, W.M.P. van der Aalst, and D. Schuster. Computing Alignments for Partially-Ordered Traces Through Petri Net Unfoldings. In E.G. Amparore and L. Mikulski, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2025), volume 15714 of LECTURE NOTES IN COMPUTER SCIENCE, pages 411–432. Springer-Verlag, Berlin, 2025.
26. L. Barbieri, K. Stroeh, E.R.M. Madeira, and W.M.P. van der Aalst. An LLM-Based Q&A Natural Language Interface to Process Mining. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 5–17. Springer-Verlag, Berlin, 2025.
27. N. Joudieh, W.M.P. van der Aalst, R. Champagnat, M. Rabah, and S. Nowakowski. Moodle2EventLog: A Tool for Pedagogically-Driven Log Enrichment and Analysis. In B. du Boulay, T. Di Mascio, E. Tovar, and C. Meinel, editors, PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED EDUCATION (CSEDU 2025), pages 452–463. SCITEPRESS, 2025.
28. B. Knopp, M.Pourbafrani, and W.M.P. van der Aalst. Root Cause Analysis Using Rule Mining on Object-Centric Event Logs. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 57–69. Springer-Verlag, Berlin, 2025.
29. C.T. Schwanen, W. Pakusa, and W.M.P. van der Aalst. A Dynamic Programming Approach for Alignments on Process Trees. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 84–97. Springer-Verlag, Berlin, 2025.
30. C. Rennert, M. Pourbafrani, and W.M.P. van der Aalst. Evaluation of Study Plans Using Partial Orders. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON EDUCATION MEETS PROCESS MINING (EDUPM 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 164–166. Springer-Verlag, Berlin, 2025.
31. N. Graves, T. Brockhoff, I. Koren, and W.M.P. van der Aalst. Extending Process Intelligence with Quantity-Related Process Mining. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON EVENT DATA AND BEHAVIORAL ANALYTICS (EDBA 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 337–349. Springer-Verlag, Berlin, 2025.
32. L. Liss, N. Elbert, C.M. Flathand, and W.M.P. van der Aalst. Framework for Extracting Real-World Object-Centric Event Logs from Game Data. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON EVENT DATA AND BEHAVIORAL ANALYTICS (EDBA 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 363–375. Springer-Verlag, Berlin, 2025.
33. V. Peeva, M. Porsil, and W.M.P. van der Aalst. Object-Centric Local Process Models. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON EVENT DATA AND BEHAVIORAL ANALYTICS (EDBA 2024), ICPM 2024 WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 376–388. Springer-Verlag, Berlin, 2025.
34. A. Berti, H. Kourani, and W.M.P. van der Aalst. PM-LLM-Benchmark: Evaluating Large Language Models on Process Mining Tasks. In A. Delgado and T. Slaats, editors, INTERNATIONAL WORKSHOP ON GENERATIVE ARTIFICIAL INTELLIGENCE FOR PROCESS MINING (GENAI4PM 2024), ICPM 2024

WORKSHOP PROCEEDINGS, volume 533 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 610–623. Springer-Verlag, Berlin, 2025.
35. C.Y. Li, A. Antonov, and W.M.P. van der Aalst. Activity Instance Identification Using Bipartite Graph Matching. In S. Kallel, C. Raibulet, I. Rodriguez, N. Faci, A. Bennaceur, S. Cheikhrouhou, L. Ayed, M. Sellami, E. Nakagawa, and R.B. Halima, editors, WORKSHOP ON AI-ENABLED PROCESS AUTOMATION, ICSOC 2024 WORKSHOP PROCEEDINGS, volume 15833 of LECTURE NOTES IN COMPUTER SCIENCE, pages 82–95. Springer-Verlag, Berlin, 2024.
36. E.G. Rocha, S.J.J. Leemans, and W.M.P. van der Aalst. Stochastic Conformance Checking Based on Expected Subtrace Frequency. In X. Lu, L. Pufahl, and M. Song, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2024), pages 73–80. IEEE Computer Society, 2024.
37. T. Brockhoff, M.S. Uysal, and W.M.P. van der Aalst. Wasserstein Weight Estimation for Stochastic Petri Nets. In X. Lu, L. Pufahl, and M. Song, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2024), pages 81–88. IEEE Computer Society, 2024.
38. H. Kämmerling, E.G. Rocha, and W.M.P. van der Aalst. ProM4Py: A Python Wrapper For The ProM Framework. In J. De Weerdt, G. Meroni, H. van der Aa, and K. Winter, editors, DOCTORAL CONSORTIUM AND DEMO TRACK ICPM 2024, volume 3783 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2024.
39. H. Kourani, A. Berti, D. Schuster, and W.M.P. van der Aalst. ProMoAI: Process Modeling with Generative AI. In PROCEEDINGS OF THE THIRTY-THIRD INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE (IJCAI 2024), pages 8708–8712. ijcai.org, 2024.
40. L. Tacke genannt Unterberg, I. Koren, and W.M.P. van der Aalst. Maximizing Reuse and Interoperability in Industry 4.0 with a Minimal Data Exchange Format for Machine Data. In J. Michael and M. Weske, editors, MODELLIERUNG 2024, volume P-348 of LNI, pages 103–118. Gesellschaft für Informatik e.V., 2024.
41. H.H. Beyel and W.M.P. van der Aalst. Translucent Precision: Exploiting Enabling Information to Evaluate the Quality of Process Models. In J. Araújo, J.L. de la Vara, M.Y. Santos, and S. Assar, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2024), PART II, volume 514 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 29–37. Springer-Verlag, Berlin, 2024.
42. A. Norouzifar, M. Dees, and W.M.P. van der Aalst. Imposing Rules in Process Discovery: An Inductive Mining Approach. In J. Araújo, J.L. de la Vara, M.Y. Santos, and S. Assar, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2024), PART I, volume 513 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 220–236. Springer-Verlag, Berlin, 2024.
43. H.H. Beyel, S. Manuel, and W.M.P. van der Aalst. ActivityGen: Extracting Enabled Activities from Screenshots. In U. Endriss, F. Melo, K. Bach, A. Diz, J. Alonso-Moral, S. Barro, and F. Heintz, editors, EUROPEAN CONFERENCE ON ARTIFICIAL INTELLIGENCE (ECAI 2024), volume 392 of FRONTIERS IN ARTIFICIAL INTELLIGENCE AND APPLICATIONS, pages 712–720. IOS Press, 2024.
44. J.N. Adams, H. Drescher, A. Swoboda, N. Günnemann, G. Park, and W.M.P. van der Aalst. Improving Predictive Process Monitoring Using Object-Centric Process Mining. In M. Avital, E. Karahanna, M. Themistocleous, I.D. Constantiou, B. Fitzgerald, and S. Seidel, editors, EUROPEAN CONFERENCE ON INFORMATION SYSTEMS (ECIS 2024), 2024.
45. C.T. Schwanen, W. Pakusa, and W.M.P. van der Aalst. Process Tree Alignments. In J. Borbinha, T.P. Sales, M. Mira da Silva, H.A. Proper, and M. Schnellmann, editors, ENTERPRISE DESIGN, OPERATIONS, AND COMPUTING (EDOC 2024), volume 15409 of LECTURE NOTES IN COMPUTER SCIENCE, pages 300–317. Springer-Verlag, Berlin, 2024.
46. H. Heidemeyer, L. Auhagen, R.W. Majeed, M. Pegoraro, J. Bienzeisler, V. Peeva, H.H. Beyel, R. Röhrig, W.M.P. van der Aalst, and B. Puladi. A Pipeline for the Usage of the Core Data Set of the Medical Informatics Initiative for Process Mining: A Technical Case Report. In R. Röhrig, N. Grabe, U. Hübner, K. Jung, U. Sax, S. Oliver, M. Sedlmayr, and A. Zapf, editors, GERMAN MEDICAL DATA SCIENCES (GMDS 2024), volume 317 of STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, pages 30–39. IOS Press, 2024.
47. E.G. Rocha and W.M.P. van der Aalst. Precision-Guided Minimization of Arbitrary Declarative Process Models. In H. van der Aa, D. Bork, R. Schmidt, and A. Sturm, editors, ENTERPRISE, BUSINESS-PROCESS

AND INFORMATION SYSTEMS MODELING (BPMDS/EMMSAD 2024), volume 511 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 48–56. Springer-Verlag, Berlin, 2024.

48. A. Norouzifar, M. Rafiei, M. Dees, and W.M.P. van der Aalst. Process Variant Analysis Across Continuous Features: A Novel Framework. In H. van der Aa, D. Bork, R. Schmidt, and A. Sturm, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS/EMMSAD 2024), volume 511 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 129–142. Springer-Verlag, Berlin, 2024.
49. H. Kourani, A. Berti, D. Schuster, and W.M.P. van der Aalst. Process Modeling with Large Language Models. In H. van der Aa, D. Bork, R. Schmidt, and A. Sturm, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS/EMMSAD 2024), volume 511 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 229–244. Springer-Verlag, Berlin, 2024.
50. T.H. Huang, E. Schneider, M. Pegoraro, and W.M.P. van der Aalst. Fast and Sound: Accelerating Synthesis-Rules-Based Process Discover. In H. van der Aa, D. Bork, R. Schmidt, and A. Sturm, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS/EMMSAD 2024), volume 511 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 259–274. Springer-Verlag, Berlin, 2024.
51. I. Koren, M. Jarke, J. Michael, M. Heithoff, L. Tacke genannt Unterberg, M. Stachon, B. Rumpe, and W.M.P. van der Aalst. Navigating the Data Model Divide in Smart Manufacturing: An Empirical Investigation for Enhanced AI Integration. In H. van der Aa, D. Bork, R. Schmidt, and A. Sturm, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS/EMMSAD 2024), volume 511 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 275–290. Springer-Verlag, Berlin, 2024.
52. T. Brockhoff, M.S. Uysal, and W.M.P. van der Aalst. Process Comparison Based on Selection-Projection Structures. In G. Guizzardi, F. Maria Santoro, H. Mouratidis, and P. Soffer, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2024), volume 14663 of LECTURE NOTES IN COMPUTER SCIENCE, pages 20–35. Springer-Verlag, Berlin, 2024.
53. G. Park, M. Rafiei, H. Helal, G. Lakemeyer, and W.M.P. van der Aalst. Incorporating Behavioral Recommendations Mined from Event Logs into AI Planning. In S. Islam and A. Sturm, editors, INTELLIGENT INFORMATION SYSTEMS (CAISE FORUM 2024), volume 520 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 20–28. Springer-Verlag, Berlin, 2024.
54. T.H. Huang, T. Junied, M. Pegoraro, and W.M.P. van der Aalst. ProReco: A Process Discovery Recommender System. In S. Islam and A. Sturm, editors, INTELLIGENT INFORMATION SYSTEMS (CAISE FORUM 2024), volume 520 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 93–101. Springer-Verlag, Berlin, 2024.
55. D. Kretzschmann, G. Park, A. Berti, and W.M.P. van der Aalst. Overstock Problems in a Purchase-to-Pay Process: An Object-Centric Process Mining Case Study. In J.P.A. Almeida, C. Di Ciccio, and C. Kalloniatis, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING WORKSHOPS (CAISE 2024), volume 521 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 347–359. Springer-Verlag, Berlin, 2024.
56. A. Norouzifar, H. Kourani, M. Dees, and W.M.P. van der Aalst. Bridging Domain Knowledge and Process Discovery Using Large Language Models. In K. Gdowska, M.T. Gómez-López, and J.R. Rehse, editors, INTERNATIONAL WORKSHOP ON ARTIFICIAL INTELLIGENCE FOR BUSINESS PROCESS MANAGEMENT (AI4BPM 2024), BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2024), volume 534 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 44–56. Springer-Verlag, Berlin, 2024.
57. Z. Sadeghibogar, A. Berti, M. Pegoraro, and W.M.P. van der Aalst. Applying Process Mining on Scientific Workflows: A Case Study on High Performance Computing Data. In K. Gdowska, M.T. Gómez-López, and J.R. Rehse, editors, INTERNATIONAL WORKSHOP ON DATA-DRIVEN BUSINESS PROCESS OPTIMIZATION (BPO 2024), BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2024), volume 534 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 84–96. Springer-Verlag, Berlin, 2024.
58. A. Küsters and W.M.P. van der Aalst. Rust4PM: A Versatile Process Mining Library for When Performance Matters. In A. del-Río-Ortega, M. Montali, S. Rinderle-Ma, H.A. Reijers, J. vom Brocke, M. Weske, B. Depaire, M. Indulska, H. van der Aa, W.T. Adrian, L. Genga, S. Leemans, K. Gdowska, M.T. Gómez-López, J.R. Rehse, and S. Agostinelli, editors, PROCEEDINGS OF THE DEMONSTRATION AND RESOURCES

FORUM OF BPM 2024, volume 3758 of CEUR WORKSHOP PROCEEDINGS, pages 91–95. CEUR-WS.org, 2024.

59. A. Berti and W.M.P. van der Aalst. CSV-PM-LLM-Parsing: Automatic Ingestion of CSV Event Logs for Process Mining using LLMs. In A. del-Río-Ortega, M. Montali, S. Rinderle-Ma, H.A. Reijers, J. vom Brocke, M. Weske, B. Depaire, M. Indulska, H. van der Aa, W.T. Adrian, L. Genga, S. Leemans, K. Gdowska, M.T. Gómez-López, J.R. Rehse, and S. Agostinelli, editors, PROCEEDINGS OF THE DEMONSTRATION AND RESOURCES FORUM OF BPM 2024, volume 3758 of CEUR WORKSHOP PROCEEDINGS, pages 131–135. CEUR-WS.org, 2024.
60. A. Berti, U. Jessen, W.M.P. van der Aalst, and D. Fahland. Explainable Object-Centric Anomaly Detection: the Role of Domain Knowledge. In A. del-Río-Ortega, M. Montali, S. Rinderle-Ma, H.A. Reijers, J. vom Brocke, M. Weske, B. Depaire, M. Indulska, H. van der Aa, W.T. Adrian, L. Genga, S. Leemans, K. Gdowska, M.T. Gómez-López, J.R. Rehse, and S. Agostinelli, editors, WORKSHOP SHORT PAPER, BPM 2024, volume 3758 of CEUR WORKSHOP PROCEEDINGS, pages 162–168. CEUR-WS.org, 2024.
61. L. Liss, J.N. Adams, and W.M.P. van der Aalst. TOTeM: Temporal Object Type Model for Object-Centric Process Mining. In A. Marrella, M. Resinas, M. Jans, and M. Rosemann, editors, BUSINESS PROCESS MANAGEMENT FORUM - BPM 2024 FORUM, volume 526 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 107–123. Springer-Verlag, Berlin, 2024.
62. G. Park, J.N. Adams, and W.M.P. van der Aalst. Conformance Checking and Performance Analysis Using Object-Centric Directly-Follows Graphs. In A. Marrella, M. Resinas, M. Jans, and M. Rosemann, editors, BUSINESS PROCESS MANAGEMENT FORUM - BPM 2024 FORUM, volume 526 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 179–196. Springer-Verlag, Berlin, 2024.
63. J.N. Adams, E. Hastrup-Kiil, G. Park, and W.M.P. van der Aalst. Super Variants. In A. Marrella, M. Resinas, M. Jans, and M. Rosemann, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2024), volume 14940 of LECTURE NOTES IN COMPUTER SCIENCE, pages 111–128. Springer-Verlag, Berlin, 2024.
64. H.H. Beyel and W.M.P. van der Aalst. Improving Process Discovery Using Translucent Activity Relationships. In A. Marrella, M. Resinas, M. Jans, and M. Rosemann, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2024), volume 14940 of LECTURE NOTES IN COMPUTER SCIENCE, pages 146–163. Springer-Verlag, Berlin, 2024.
65. E.G. Rocha, S.J. van Zelst, and W.M.P. van der Aalst. Mining Behavioral Patterns for Conformance Diagnostics. In A. Marrella, M. Resinas, M. Jans, and M. Rosemann, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2024), volume 14940 of LECTURE NOTES IN COMPUTER SCIENCE, pages 291–308. Springer-Verlag, Berlin, 2024.
66. W.M.P. van der Aalst. Unraveling the Fabric of Intertwined Processes: How Object-Centric Process Mining is Changing the Way We Improve Operational Processes. In J. De Smedt and P. Soffer, editors, SECOND INTERNATIONAL WORKSHOP ON COLLABORATION MINING FOR DISTRIBUTED SYSTEMS (COMINDS 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–5. Springer-Verlag, Berlin, 2024.
67. W.M.P. van der Aalst. Lifting Process Discovery and Conformance Checking to the Next Level: A General Approach to Object-Centric Process Mining (Invited Talk). In M. Köhler-Bussmeier, D. Moldt, and H. Rölke, editors, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PETRI NETS IN SOFTWARE ENGINEERING (PNSE 2024), volume 3720 of CEUR WORKSHOP PROCEEDINGS, pages 1–12. CEUR-WS.org, 2024.
68. T. Brockhoff, M.N. Gose, M.S. Uysal, and W.M.P. van der Aalst. Process Comparison Using Petri Net Decomposition. In L.M. Kristensen and J.M.E.M. van der Werf, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2024), volume 14628 of LECTURE NOTES IN COMPUTER SCIENCE, pages 83–105. Springer-Verlag, Berlin, 2024.
69. H.H. Beyel, M. Verket, V. Peeva, C. Rennert, M. Pegoraro, K. Schütt, W.M.P. van der Aalst, and N. Marx. Process-Aware Analysis of Treatment Paths in Heart Failure Patients: A Case Study. In H. Schlieter, A. Fred, and H. Gamboa, editors, PROCEEDINGS OF THE 17TH INTERNATIONAL JOINT CONFERENCE ON BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES, BIOSTEC 2024, VOLUME 2, pages 506–515. SCITEPRESS, 2024.

70. W.M.P. van der Aalst and S.J.J. Leemans. Learning Generalized Stochastic Petri Nets From Event Data. In N. Jansen, S. Junges, B.L. Kaminski, C. Matheja, T. Noll, T. Quatmann, M. Stoelinga, and M. Volk, editors, PRINCIPLES OF VERIFICATION: CYCLING THE PROBABILISTIC LANDSCAPE - ESSAYS DEDICATED TO JOOST-PIETER KATOEN ON THE OCCASION OF HIS 60TH BIRTHDAY, PART III, volume 15262 of LECTURE NOTES IN COMPUTER SCIENCE, pages 3–17. Springer-Verlag, Berlin, 2025.
71. C. Rennert and W.M.P. van der Aalst. Improving Precision in Process Trees Using Subprocess Tree Logs. In J. De Smedt and P. Soffer, editors, FOURTH INTERNATIONAL WORKSHOP ON EVENT DATA AND BEHAVIORAL ANALYTICS (EDBA 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 110–122. Springer-Verlag, Berlin, 2024.
72. M. Rafiei, D. Bayrak, M. Pourbafrani, G. Park, H. Helal, G. Lakemeyer, and W.M.P. van der Aalst. Extracting Rules from Event Data for Study Planning. In J. De Smedt and P. Soffer, editors, SECOND INTERNATIONAL WORKSHOP EDUCATION MEETS PROCESS MINING (EDUPM 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 361–374. Springer-Verlag, Berlin, 2024.
73. T. Li, G. Park, and W.M.P. van der Aalst. Checking Constraints for Object-Centric Process Executions. In J. De Smedt and P. Soffer, editors, EIGHTH INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 392–405. Springer-Verlag, Berlin, 2024.
74. G. Park, S. Aydin, C. Ugur, and W.M.P. van der Aalst. Analyzing an After-Sales Service Process Using Object-Centric Process Mining: A Case Study. In J. De Smedt and P. Soffer, editors, EIGHTH INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 406–418. Springer-Verlag, Berlin, 2024.
75. V. Peeva and W.M.P. van der Aalst. Grouping Local Process Models. In J. De Smedt and P. Soffer, editors, EIGHTH INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 419–430. Springer-Verlag, Berlin, 2024.
76. N. Graves, I. Koren, M. Rafiei, and W.M.P. van der Aalst. From Identities to Quantities: Introducing Items and Decoupling Points to Object-Centric Process Mining. In J. De Smedt and P. Soffer, editors, SECOND INTERNATIONAL WORKSHOP ON COLLABORATION MINING FOR DISTRIBUTED SYSTEMS (COMINDS 2023), ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 462–474. Springer-Verlag, Berlin, 2024.
77. W.M.P. van der Aalst. Object-Centric Process Mining: An Introduction. In A. Cerone, editor, FORMAL METHODS FOR AN INFORMAL WORLD, ICTAC 2021 SUMMER SCHOOL, volume 13490 of LECTURE NOTES IN COMPUTER SCIENCE, pages 73–105. Springer-Verlag, Berlin, 2023.
78. C.Y. Li, S.J. van Zelst, and W.M.P. van der Aalst. Event Abstraction for Partial Order Patterns. In C. Di Francescomarino, A. Burattin, C. Janiesch, and S. Sadiq, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 14159 of LECTURE NOTES IN COMPUTER SCIENCE, pages 38–54. Springer-Verlag, Berlin, 2023.
79. D. Schuster, N. Föcking, S.J. van Zelst, and W.M.P. van der Aalst. Incremental Discovery of Process Models Using Trace Fragments. In C. Di Francescomarino, A. Burattin, C. Janiesch, and S. Sadiq, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 14159 of LECTURE NOTES IN COMPUTER SCIENCE, pages 55–73. Springer-Verlag, Berlin, 2023.
80. G. Engelberg, M. Hadad, M. Pegoraro, P. Soffer, E. Hadar, and W.M.P. van der Aalst. An Uncertainty-Aware Event Log of Network Traffic. In D. Fahland, A. Jiménez-Ramírez, A. Kumar, J. Mendling, B. Pentland, S. Rinderle-Ma, T. Slaats, J. Versendaal, B. Weber, M. Weske, and K. Winter, editors, PROCEEDINGS OF THE DEMONSTRATION & RESOURCES FORUM, CO-LOCATED WITH 21ST INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 3469 of CEUR WORKSHOP PROCEEDINGS, pages 67–71. CEUR-WS.org, 2023.
81. W.M.P. van der Aalst. Experiences from the Internet-of-Production: Using “Data-Models-in-the-Middle” to Fight Complexity and Facilitate Reuse. In J. De Weerdt and L. Pufahl, editors, INTERNATIONAL WORKSHOP ON BUSINESS PROCESSES MEET THE INTERNET-OF-THINGS (BP-MEET-IOT 2023),

BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2023), volume 492 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 87–91. Springer-Verlag, Berlin, 2023.

82. T. Pohl, A. Berti, M.S. Qafari, and W.M.P. van der Aalst. A Collection of Simulated Event Logs for Fairness Assessment in Process Mining. In D. Fahland, A. Jiménez-Ramírez, A. Kumar, J. Mendling, B. Pentland, S. Rinderle-Ma, T. Slaats, J. Versendaal, B. Weber, M. Weske, and K. Winter, editors, PROCEEDINGS OF THE DEMONSTRATION & RESOURCES FORUM, CO-LOCATED WITH 21ST INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 3469 of CEUR WORKSHOP PROCEEDINGS, pages 87–91. CEUR-WS.org, 2023.
83. H.H. Beyel, O. Makke, O. Gusikhin, and W.M.P. van der Aalst. Analyzing Behavior in Cyber-Physical Systems in Connected Vehicles: A Case Study. In J. De Weerdt and L. Pufahl, editors, INTERNATIONAL WORKSHOP ON BUSINESS PROCESSES MEET THE INTERNET-OF-THINGS (BP-MEET-IOT 2023), BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2023), volume 492 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 92–104. Springer-Verlag, Berlin, 2023.
84. Z. Sadeghibogar, A. Berti, M. Pegoraro, and W.M.P. van der Aalst. SLURMminer: A Tool for SLURM System Analysis with Process Mining. In D. Fahland, A. Jiménez-Ramírez, A. Kumar, J. Mendling, B. T. Pentland, S. Rinderle-Ma, T. Slaats, J. Versendaal, B. Weber, M. Weske, and K. Winter, editors, PROCEEDINGS OF THE DEMONSTRATION & RESOURCES FORUM, CO-LOCATED WITH 21ST INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 3469 of CEUR WORKSHOP PROCEEDINGS, pages 97–101. CEUR-WS.org, 2023.
85. M. Fani Sani, J.J. Garza Gonzalez, S.J. van Zelst, and W.M.P. van der Aalst. Alignment Approximator: A ProM Plug-In to Approximate Conformance Statistics. In D. Fahland, A. Jiménez-Ramírez, A. Kumar, J. Mendling, B. Pentland, S. Rinderle-Ma, T. Slaats, J. Versendaal, B. Weber, M. Weske, and K. Winter, editors, PROCEEDINGS OF THE DEMONSTRATION & RESOURCES FORUM, CO-LOCATED WITH 21ST INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 3469 of CEUR WORKSHOP PROCEEDINGS, pages 102–106. CEUR-WS.org, 2023.
86. E. Goulart Rocha and W.M.P. van der Aalst. Polynomial-Time Conformance Checking for Process Trees. In C. Di Francescomarino, A. Burattin, C. Janiesch, and S. Sadiq, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2023), volume 14159 of LECTURE NOTES IN COMPUTER SCIENCE, pages 109–125. Springer-Verlag, Berlin, 2023.
87. B. Bakullari, J. van Thoor, D. Fahland, and W.M.P. van der Aalst. The Interplay Between High-Level Problems and the Process Instances that Give Rise to Them. In C. Di Francescomarino, A. Burattin, C. Janiesch, and S.W. Sadiq, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM 2023), volume 490 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 145–162. Springer-Verlag, Berlin, 2023.
88. M. Pourbafrani, N. Lücking, M. Lucke, and W.M.P. van der Aalst. Steady State Estimation for Business Process Simulations. In C. Di Francescomarino, A. Burattin, C. Janiesch, and S.W. Sadiq, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM 2023), volume 490 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 178–195. Springer-Verlag, Berlin, 2023.
89. M. Fani Sani, M. Kabierski, S.J. van Zelst, and W.M.P. van der Aalst. Model-Independent Error Bound Estimation for Conformance Checking Approximation. In J. De Weerdt and L. Pufahl, editors, INTERNATIONAL WORKSHOP ON FORMAL METHODS FOR BUSINESS PROCESS MANAGEMENT (FM-BPM 2023), BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2023), volume 492 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 369–382. Springer-Verlag, Berlin, 2023.
90. A. Berti, D. Schuster, and W.M.P. van der Aalst. Abstractions, Scenarios, and Prompt Definitions for Process Mining with LLMs: A Case Study. In J. De Weerdt and L. Pufahl, editors, INTERNATIONAL WORKSHOP ON NATURAL LANGUAGE PROCESSING FOR BUSINESS PROCESS MANAGEMENT (NLP4BPM 2023), BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2023), volume 492 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 427–439. Springer-Verlag, Berlin, 2023.
91. J.N. Adams and W.M.P. van der Aalst. Addressing Convergence, Divergence, and Deficiency Issues. In J. De Weerdt and L. Pufahl, editors, INTERNATIONAL WORKSHOP OF OBJECT-CENTRIC PROCESSES FROM A TO Z (OBJECTS 2023), BUSINESS PROCESS MANAGEMENT WORKSHOPS (BPM 2023), volume 492 of

LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 496–507. Springer-Verlag, Berlin, 2023.
92. W.M.P. van der Aalst. Learning Colored Petri Nets Using Object-Centric Event Data (OCED2CPN). In M.E. Mohajir, M.A. Achhab, and B.E.E. Mohajir, editors, 7TH IEEE CONGRESS ON INFORMATION SCIENCE AND TECHNOLOGY (CIST 2023), pages 1–6. IEEE Computer Society, 2023.
93. C.Y. Li, A. Joshi, N.T.L. Tam, S.S.F. Lau, J. Huang, T. Shinde, and W.M.P. van der Aalst. Rectify Sensor Data in IoT: A Case Study on Enabling Process Mining for Logistic Process in an Air Cargo Terminal. In M. Sellami, M.E. Vidal, B.F. van Dongen, W. Gaaloul, and H. Panetto, editors, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2023), volume 14353 of LECTURE NOTES IN COMPUTER SCIENCE, pages 293–310. Springer-Verlag, Berlin, 2023.
94. M. Pourbafrani and W.M.P. van der Aalst. Data-Driven Simulation In Process Mining: Introducing A Reference Model. In E. Vicario, R. Bandinelli, V. Fani, and M. Mastroianni, editors, PROCEEDINGS OF THE 37TH ECMS INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION, (ECMS 2023), pages 411–420. European Council for Modeling and Simulation, 2023.
95. W.M.P. van der Aalst. Toward More Realistic Simulation Models Using Object-Centric Process Mining. In E. Vicario, R. Bandinelli, V. Fani, and M. Mastroianni, editors, PROCEEDINGS OF THE 37TH ECMS INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION, (ECMS 2023), pages 5–13. European Council for Modeling and Simulation, 2023.
96. I. Sen, D. Assenmacher, M. Samory, I. Augenstein, W.M.P. van der Aalst, and C. Wagner. People Make Better Edits: Measuring the Efficacy of LLM-Generated Counterfactually Augmented Data for Harmful Language Detection. In H. Bouamor, J. Pino, and K. Bali, editors, PROCEEDINGS OF THE 2023 CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING (EMNLP 2023), pages 10480–10504. Association for Computational Linguistics, 2023.
97. J.N. Adams, J. Peeperkorn, T. Brockhoff, I. Terrier, H. Göhner, M.S. Uysal, S. vanden Broucke, J. De Weerdt, and W.M.P. van der Aalst. Discovering High-Quality Process Models Despite Data Scarcity. In C.M. Fonseca, J. Borbinha, G. Guizzardi, D. Aveiro, S. Liaskos, C. Keet, E. Serral, F. Baião, J. Araújo, T. Sales, M. da Silva, S. de Cesare, H.S. Pinto, L. Bellatreche, and S. Hacks, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2023) FORUM, volume 3618 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2023.
98. L. Liß, J.N. Adams, and W.M.P. van der Aalst. Object-Centric Alignments. In J. Almeida, J. Borbinha, G. Guizzardi, S. Link, and J. Zdravkovic, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2023), volume 14320 of LECTURE NOTES IN COMPUTER SCIENCE, pages 201–219. Springer-Verlag, Berlin, 2023.
99. B. Knopp, M. Pourbafrani, and W.M.P. van der Aalst. Discovering Object-Centric Process Simulation Models. In S. Rinderle-Ma, J. Munoz-Gama, and A. Senderovich, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2023), pages 81–88. IEEE Computer Society, 2023.
100. H. Kourani, D. Schuster, and W.M.P. van der Aalst. Scalable Discovery of Partially Ordered Workflow Models with Formal Guarantees. In S. Rinderle-Ma, J. Munoz-Gama, and A. Senderovich, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2023), pages 89–96. IEEE Computer Society, 2023.
101. F.C. Groß, L.L. Mannel, and W.M.P. van der Aalst. Enhancing the Applicability of the eST-Miner: Efficient Precision-Guided Implicit Place Avoidance. In S. Rinderle-Ma, J. Munoz-Gama, and A. Senderovich, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2023), pages 121–128. IEEE Computer Society, 2023.
102. C.Y. Li, T. Shinde, W. He, S.S.F. Lau, M.X.B. Hiew, N.T.L. Tam, A. Joshi, and W.M.P. van der Aalst. Unveiling Bottlenecks in Logistics: A Case Study on Process Mining for Root Cause Identification and Diagnostics in an Air Cargo Terminal. In F. Monti, S. Rinderle-Ma, A.R. Cortés, Z. Zheng, and M. Mecella, editors, INTERNATIONAL CONFERENCE ON SERVICE-ORIENTED COMPUTING (ICSOC 2023), volume 14420 of LECTURE NOTES IN COMPUTER SCIENCE, pages 291–307. Springer-Verlag, Berlin, 2023.
103. N. Graves, I. Koren, and W.M.P. van der Aalst. ReThink Your Processes! A Review of Process Mining for Sustainability. In INTERNATIONAL CONFERENCE ON ICT FOR SUSTAINABILITY (ICT4S 2023), pages 164–175. IEEE Computer Society, 2023.

104. H. Kourani, C. Di Francescomarino, C. Ghidini, W.M.P. van der Aalst, and S.J. van Zelst. Mining for Long-Term Dependencies in Causal Graphs. In C. Cabanillas, N.F. Garmann-Johnsen, and A. Koschmider, editors, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2022), BPM 2022 WORKSHOP PROCEEDINGS, volume 460 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 117–131. Springer-Verlag, Berlin, 2022.
105. A. Goossens, J. De Smedt, J. Vanthienen, and W.M.P. van der Aalst. Enhancing Data-Awareness of Object-Centric Event Logs. In M. Montali, A. Senderovich, and M. Weidlich, editors, INTERNATIONAL WORKSHOP ON EVENT DATA AND BEHAVIORAL ANALYTICS (EDBA'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 18–30. Springer-Verlag, Berlin, 2022.
106. T. Pohl, M.S. Qafari, and W.M.P. van der Aalst. Discrimination-Aware Process Mining: A Discussion. In M. Montali, A. Senderovich, and M. Weidlich, editors, WORKSHOP ON RESPONSIBLE PROCESS MINING (RPM'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 101–113. Springer-Verlag, Berlin, 2022.
107. M. Rafiei and W.M.P. van der Aalst. TraVaS: Differentially Private Trace Variant Selection for Process Mining. In M. Montali, A. Senderovich, and M. Weidlich, editors, WORKSHOP ON RESPONSIBLE PROCESS MINING (RPM'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 114–126. Springer-Verlag, Berlin, 2022.
108. C. Kohlschmidt, M.S. Qafari, and W.M.P. van der Aalst. Detecting Surprising Situations in Event Data. In M. Montali, A. Senderovich, and M. Weidlich, editors, INTERNATIONAL WORKSHOP IN LEVERAGING MACHINE LEARNING FOR PROCESS MINING (ML4PM'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 216–228. Springer-Verlag, Berlin, 2022.
109. E. Benevento, M. Pegoraro, M. Antoniazzi, H. Beyel, V. Peeva, P. Balfanz, W.M.P. van der Aalst, L. Martin, and G. Marx. Process Modeling and Conformance Checking in Healthcare: A COVID-19 Case Study - Case Study. In M. Montali, A. Senderovich, and M. Weidlich, editors, INTERNATIONAL WORKSHOP ON PROCESS-ORIENTED DATA SCIENCE FOR HEALTHCARE (PODS4H'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 315–327. Springer-Verlag, Berlin, 2022.
110. H.H. Beyel and W.M.P. van der Aalst. Creating Translucent Event Logs to Improve Process Discovery. In M. Montali, A. Senderovich, and M. Weidlich, editors, INTERNATIONAL WORKSHOP ON DATA QUALITY AND TRANSFORMATION IN PROCESS MINING (DQT-PM'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 435–447. Springer-Verlag, Berlin, 2022.
111. G. Park and W.M.P. van der Aalst. Monitoring Constraints in Business Processes Using Object-Centric Constraint Graphs. In M. Montali, A. Senderovich, and M. Weidlich, editors, INTERNATIONAL WORKSHOP ON PROCESS QUERYING, MANIPULATION, AND INTELLIGENCE (PQMI'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 479–492. Springer-Verlag, Berlin, 2022.
112. M. Wagner, H. Helal, R. Roepke, S. Judel, J. Doveren, S. Goerzen, P. Soudmand, G. Lakemeyer, U. Schroeder, and W.M.P. van der Aalst. A Combined Approach of Process Mining and Rule-Based AI for Study Planning and Monitoring in Higher Education. In M. Montali, A. Senderovich, and M. Weidlich, editors, INTERNATIONAL WORKSHOP ON EDUCATION MEETS PROCESS MINING (EDUPM'22), ICPM 2022 WORKSHOP PROCEEDINGS, volume 468 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 513–525. Springer-Verlag, Berlin, 2022.
113. T.H. Huang and W.M.P. van der Aalst. Comparing Ordering Strategies for Process Discovery Using Synthesis Rules. In J. Troya, R. Mirandola, E. Navarro, A. Delgado, S. Segura, G. Ortiz, C. Pautasso, C. Zirpins, P. Fernandez, and A. Ruiz-Cortes, editors, SERVICE-ORIENTED COMPUTING (ICSOC 2022) WORKSHOPS, volume 13821 of LECTURE NOTES IN COMPUTER SCIENCE, pages 40–45. Springer-Verlag, Berlin, 2022.
114. G. Park and W.M.P. van der Aalst. Explainable Predictive Decision Mining for Operational Support. In J. Troya, R. Mirandola, E. Navarro, A. Delgado, S. Segura, G. Ortiz, C. Pautasso, C. Zirpins, P. Fernandez,

and A. Ruiz-Cortes, editors, SERVICE-ORIENTED COMPUTING (ICSOC 2022) WORKSHOPS, volume 13821 of LECTURE NOTES IN COMPUTER SCIENCE, pages 66–79. Springer-Verlag, Berlin, 2022.

115. M. Pourbafrani, F. Gharbi, and W.M.P. van der Aalst. A Tool for Business Processes Diagnostics. In J. Troya, R. Mirandola, E. Navarro, A. Delgado, S. Segura, G. Ortiz, C. Pautasso, C. Zirpins, P. Fernandez, and A. Ruiz-Cortes, editors, SERVICE-ORIENTED COMPUTING (ICSOC 2022) WORKSHOPS, volume 13821 of LECTURE NOTES IN COMPUTER SCIENCE, pages 350–354. Springer-Verlag, Berlin, 2022.
116. C.Y. Li, S.J. van Zelst, and W.M.P. van der Aalst. A Framework for Automated Abstraction Class Detection for Event Abstraction. In A. Abraham, S. Pllana, G. Casalino, K. Ma, and A. Bajaj, editors, INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS (ISDA 2022), volume 715 of LECTURE NOTES IN NETWORKS AND SYSTEMS, pages 126–136. Springer-Verlag, Berlin, 2022.
117. F.T. Piller, V. Nitsch, and W.M.P. van der Aalst. HYBRID INTELLIGENCE IN NEXT GENERATION MANUFACTURING: AN OUTLOOK ON NEW FORMS OF COLLABORATION BETWEEN HUMAN AND ALGORITHMIC DECISION-MAKERS IN THE FACTORY OF THE FUTURE, pages 139–158. Springer-Verlag, Berlin, 2022.
118. A. Norouzifar and W.M.P. van der Aalst. Discovering Process Models that Support Desired Behavior and Avoid Undesired Behavior. In J. Hong, M. Lanperne, J.W. Park, T. Cerný, and H. Shahriar, editors, PROCEEDINGS OF THE ACM SYMPOSIUM ON APPLIED COMPUTING (SAC 2023), pages 365–368. ACM Press, New York, NY, USA, 2023.
119. Y. Zhang and W.M.P. van der Aalst. Explorative Process Discovery Using Activity Projections. In L. Gomes and R. Lorenz, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2023), volume 13929 of LECTURE NOTES IN COMPUTER SCIENCE, pages 229–239. Springer-Verlag, Berlin, 2023.
120. M. Rafiei, F. Wangelik, M. Pourbafrani, and W.M.P. van der Aalst. TraVaG: Differentially Private Trace Variant Generation Using GANs. In S. Nurcan, A.L. Opdahl, H. Mouratidis, and A. Tsohou, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2023), volume 476 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 415–431. Springer-Verlag, Berlin, 2023.
121. W.M.P. van der Aalst. Twin Transitions Powered By Event Data: Using Object-Centric Process Mining To Make Processes Digital and Sustainable. In L. Gomes, P. Leitão, R. Lorenz, J. van der Werf, and S.J. van Zelst, editors, INTERNATIONAL WORKSHOP ON PETRI NETS FOR TWIN TRANSITION CO-LOCATED WITH THE PETRI NETS 2023, volume 3424 of CEUR WORKSHOP PROCEEDINGS, pages 1–9. CEUR-WS.org, 2023.
122. A. Küsters and W.M.P. van der Aalst. Revisiting the Alpha Algorithm To Enable Real-Life Process Discovery Applications. In L. Gomes, P. Leitão, R. Lorenz, J. van der Werf, and S.J. van Zelst, editors, WORKSHOP ON ALGORITHMS & THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2023), volume 3424 of CEUR WORKSHOP PROCEEDINGS, pages 4:1–16. CEUR-WS.org, 2023.
123. C. Rennert, L.L. Mannel, and W.M.P. van der Aalst. Improving the eST-Miner Models by Replacing Imprecise Structures Using Place Projection. In L. Gomes, P. Leitão, R. Lorenz, J. van der Werf, and S.J. van Zelst, editors, WORKSHOP ON ALGORITHMS & THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2023), volume 3424 of CEUR WORKSHOP PROCEEDINGS, pages 3:1–17. CEUR-WS.org, 2023.
124. A.F. Ghahfarokhi, F. Akoochekian, F. Zandkarimi, and W.M.P. van der Aalst. Clustering Object-Centric Event Logs. In O. Gusikhin, S. Hammoudi, and A. Cuzzocrea, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON DATA SCIENCE, TECHNOLOGY AND APPLICATIONS (DATA 2023), pages 444–451. SCITEPRESS, 2023.
125. T.H. Huang and W.M.P. van der Aalst. Unblocking Inductive Miner While Preserving Desirable Properties. In H. van der Aa, D. Bork, H.A. Proper, and Rainer Schmidt, editors, INTERNATIONAL CONFERENCE ON ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS 2023), volume 479 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 327–342. Springer-Verlag, Berlin, 2023.
126. H.H. Beyel, O. Makke, F. Yuan, O. Gusikhin, and W.M.P. van der Aalst. Analyzing Cyber-Physical Systems in Cars: A Case Study. In O. Gusikhin, S. Hammoudi, and A. Cuzzocrea, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON DATA SCIENCE, TECHNOLOGY AND APPLICATIONS (DATA 2023), pages 195–204. SCITEPRESS, 2023.

127. J. Yang, C. Ouyang, A.H.M. ter Hofstede, and W.M.P. van der Aalst. No Time to Dice: Learning Execution Contexts from Event Logs for Resource-Oriented Process Mining. In C. Di Ciccio, R.M. Dijkman, A. del Rio-Ortega, and S. Rinderle-Ma, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2022), volume 13420 of LECTURE NOTES IN COMPUTER SCIENCE, pages 163–180. Springer-Verlag, Berlin, 2022.
128. J.N. Adams and W.M.P. van der Aalst. OCpi: Object-Centric Process Insights. In L. Bernardinello and L. Petrucci, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2022), volume 13288 of LECTURE NOTES IN COMPUTER SCIENCE, pages 139–150, 2022.
129. A.T. Burke, S.J.J. Leemans, M.T. Wynn, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Stochastic Process Model-Log Quality Dimensions: An Experimental Study. In A. Burattin, A. Polyvyanyy, and B. Weber, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2022), pages 80–87. IEEE, 2022.
130. J.N. Adams, D. Schuster, S. Schmitz, G. Schuh, and W.M.P. van der Aalst. Defining Cases and Variants for Object-Centric Event Data. In A. Burattin, A. Polyvyanyy, and B. Weber, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2022), pages 128–143. IEEE, 2022.
131. B. Bakullari and W.M.P. van der Aalst. High-Level Event Mining: A Framework. In A. Burattin, A. Polyvyanyy, and B. Weber, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2022), pages 136–143. IEEE, 2022.
132. L.L. Mannel and W.M.P. van der Aalst. Discovering Process Models with Long-Term Dependencies While Providing Guarantees and Handling Infrequent Behavior. In L. Bernardinello and L. Petrucci, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2022), volume 13288 of LECTURE NOTES IN COMPUTER SCIENCE, pages 303–324, 2022.
133. V. Peeva, L.L. Mannel, and W.M.P. van der Aalst. From Place Nets to Local Process Models. In L. Bernardinello and L. Petrucci, editors, APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY (PETRI NETS 2022), volume 13288 of LECTURE NOTES IN COMPUTER SCIENCE, pages 346–368, 2022.
134. W.M.P. van der Aalst. Discovering Directly-Follows Complete Petri Nets from Event Data. In N. Jansen, M. Stoelinga, and P. van den Bos, editors, A JOURNEY FROM PROCESS ALGEBRA VIA TIMED AUTOMATA TO MODEL LEARNING: ESSAYS DEDICATED TO FRITS VAANDRAGER ON THE OCCASION OF HIS 60TH BIRTHDAY, volume 13560 of LECTURE NOTES IN COMPUTER SCIENCE, pages 539–558, 2022.
135. D. Schuster, N. Föcking, S.J. van Zelst, and W.M.P. van der Aalst. Conformance Checking for Trace Fragments Using Infix and Postfix Alignments. In M. Sellami, P. Ceravolo, H. Reijers, W. Gaaloul, and H. Panetto, editors, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2022), volume 13591 of LECTURE NOTES IN COMPUTER SCIENCE, pages 299–310. Springer-Verlag, Berlin, 2022.
136. G. Park, J.V. Benzin, and W.M.P. van der Aalst. Detecting Context-Aware Deviations in Process Executions. In C. Di Ciccio, R.M. Dijkman, A. del Rio-Ortega, and S. Rinderle-Ma, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM FORUM 2022), volume 458 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 190–206. Springer-Verlag, Berlin, 2022.
137. M. Pegoraro, M.S. Uysal, T.H. Hülsmann, and W.M.P. van der Aalst. Uncertain Case Identifiers in Process Mining: A User Study of the Event-Case Correlation Problem on Click Data. In A. Augusto, A. Gill, D. Bork, S. Nurcan, I. Reinhartz-Berger, and R. Schmidt, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (EMMSAD 2022), volume 450 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 173–187. Springer-Verlag, Berlin, 2022.
138. D. Schuster, L. Schade, S.J. van Zelst, and W.M.P. van der Aalst. Temporal Performance Analysis for Block-Structured Process Models in Cortado. In J. De Weerdt and A. Polyvyanyy, editors, INTELLIGENT INFORMATION SYSTEMS (CAISE FORUM 2022), volume 452 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 110–119. Springer-Verlag, Berlin, 2022.
139. M. Rafiei, G. Elkoumy, and W.M.P. van der Aalst. Quantifying Temporal Privacy Leakage in Continuous Event Data Publishing. In M. Sellami, P. Ceravolo, H. Reijers, W. Gaaloul, and H. Panetto, editors, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2022), volume 13591 of LECTURE NOTES IN COMPUTER SCIENCE, pages 75–94. Springer-Verlag, Berlin, 2022.
140. T.H. Huang and W.M.P. van der Aalst. Discovering Sound Free-Choice Workflow Nets with Non-block Structures. In J.P.A. Almeida, D. Karastoyanova, G. Guizzardi, M. Montali, F.M. Maggi, and C.M. Fonseca,

editors, ENTERPRISE DESIGN, OPERATIONS, AND COMPUTING (EDOC 2022), volume 13585 of LECTURE NOTES IN COMPUTER SCIENCE, pages 200–216. Springer-Verlag, Berlin, 2022.
141. M. Pourbafrani, M. Rafiei, A. Berti, and W.M.P. van der Aalst. Interactive Business Process Comparison Using Conformance and Performance Insights - A Tool. In R.S.S. Guizzardi, J. Ralyté, and X. Franch, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2022), volume 446 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 735–743. Springer-Verlag, Berlin, 2022.
142. J.N. Adams G. Park and W.M.P. van der Aalst. OPerA: Object-Centric Performance Analysis. In J. Ralyté, S. Chakravarthy, M. Mohania, M.A. Jeusfeld, and K. Karlapalem, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2022), volume 13607 of LECTURE NOTES IN COMPUTER SCIENCE, pages 281–292. Springer-Verlag, Berlin, 2022.
143. M. Pourbafrani, F. Gharbi, and W.M.P. van der Aalst. Process Diagnostics at Coarse-grained Levels. In J. Filipe, M. Smialek, A. Brodsky, and S. Hammoudi, editors, INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (ICEIS 2022), pages 484–491. SCITEPRESS, 2022.
144. J. Weber, G. Park, M. Rafiei, and W.M.P. van der Aalst. Interactive Process Identification and Selection from SAP ERP. In M. Hassani, A. Koschmider, M. Comuzzi, F.M. Maggi, and L. Pufahl, editors, PROCEEDINGS OF THE ICPM DOCTORAL CONSORTIUM AND DEMO TRACK (ICPM 2022), volume 3299 of CEUR WORKSHOP PROCEEDINGS, pages 61–64. CEUR-WS.org, 2022.
145. G. Park, M. Comuzzi, and W.M.P. van der Aalst. Analyzing Process-Aware Information System Updates Using Digital Twins of Organizations. In R.S.S. Guizzardi, J. Ralyté, and X. Franch, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2022), volume 446 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 159–176. Springer-Verlag, Berlin, 2022.
146. D. Schuster, M. Martini, S.J. van Zelst, and W.M.P. van der Aalst. Control-Flow-Based Querying of Process Executions from Partially Ordered Event Data. In J. Troya, B. Medjahed, M. Piattini, L. Yao, P. Fernández, and A. Ruiz-Cortés, editors, INTERNATIONAL CONFERENCE ON SERVICE-ORIENTED COMPUTING (ICSOC 2022), volume 13740 of LECTURE NOTES IN COMPUTER SCIENCE, pages 19–35. Springer-Verlag, Berlin, 2022.
147. J.N. Adams, G. Park, S. Levich, D. Schuster, and W.M.P. van der Aalst. A Framework for Extracting and Encoding Features from Object-Centric Event Data. In J. Troya, B. Medjahed, M. Piattini, L. Yao, P. Fernández, and A. Ruiz-Cortés, editors, INTERNATIONAL CONFERENCE ON SERVICE-ORIENTED COMPUTING (ICSOC 2022), volume 13740 of LECTURE NOTES IN COMPUTER SCIENCE, pages 36–53. Springer-Verlag, Berlin, 2022.
148. A. Berti, M.P. Nghia, and W.M.P. van der Aalst. PM4Py-GPU: A High-Performance General-Purpose Library for Process Mining. In R.S.S. Guizzardi, J. Ralyté, and X. Franch, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2022), volume 446 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 727–734. Springer-Verlag, Berlin, 2022.
149. D. Schuster, E. Domnitsch, S.J. van Zelst, and W.M.P. van der Aalst. A Generic Trace Ordering Framework for Incremental Process Discovery. In T. Bouadi, E. Fromont, and E. Hüllermeier, editors, ADVANCES IN INTELLIGENT DATA ANALYSIS (IDA 2022), volume 13205 of LECTURE NOTES IN COMPUTER SCIENCE, pages 264–277. Springer-Verlag, Berlin, 2022.
150. T. Brockhoff, M.S. Uysal, and W.M.P. van der Aalst. Modeling Digital Shadows in Manufacturing by Using Process Mining. In J. Michael, J. Pfeiffer, and A. Wortmann, editors, MODELLIERUNG 2022, pages 133–138. Gesellschaft für Informatik e.V., 2022.
151. M. Pourbafrani and W.M.P. van der Aalst. Hybrid Business Process Simulation: Updating Detailed Process Simulation Models Using High-Level Simulations. In R.S.S. Guizzardi, J. Ralyté, and X. Franch, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2022), volume 446 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 177–194. Springer-Verlag, Berlin, 2022.
152. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Analyzing Medical Data with Process Mining: A COVID-19 Case Study. In W. Abramowicz, S. Auer, and M. Strozyna, editors, BUSINESS INFORMATION SYSTEMS WORKSHOPS (BIS 2021), volume 444 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 39–44. Springer-Verlag, Berlin, 2021.

153. M. Pourbafrani and W.M.P. van der Aalst. Interactive Process Improvement Using Simulation of Enriched Process Trees. In H. Hacid, M. Aldwairi, M.R. Bouadjenek, M. Petrocchi, N. Faci, F. Outay, A. Beheshti, L. Thamsen, and H. Dong, editors, SERVICE-ORIENTED COMPUTING - ICSOC 2021 WORKSHOPS, volume 13236 of LECTURE NOTES IN COMPUTER SCIENCE, pages 61–67. Springer-Verlag, Berlin, 2021.
154. M. Dees, M. de Leoni, W.M.P. van der Aalst, and H.A. Reijers. Accurate Predictions, Invalid Recommendations: Lessons Learned at the Dutch Social Security Institute UWV. In J. vom Brocke, J. Mendling, and M. Rosemann, editors, BUSINESS PROCESS MANAGEMENT CASES VOLUME 2, DIGITAL TRANSFORMATION - STRATEGY, PROCESSES AND EXECUTION, pages 165–178. Springer-Verlag, Berlin, 2021.
155. M.T. Wynn, J. Lebherz, W.M.P. van der Aalst, R. Accorsi, C. Di Ciccio, L. Jayarathna, and H.M.W. Verbeek. Rethinking the Input for Process Mining: Insights from the XES Survey and Workshop. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 3–16. Springer-Verlag, Berlin, 2021.
156. M. Pegoraro, B. Bakullari, M.S. Uysal, and W.M.P. van der Aalst. Probability Estimation of Uncertain Process Trace Realizations. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS EDBA 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 21–33. Springer-Verlag, Berlin, 2021.
157. D. Schuster, L. Schade, S.J. van Zelst, and W.M.P. van der Aalst. Visualizing Trace Variants from Partially Ordered Event Data. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS EDBA 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 34–46. Springer-Verlag, Berlin, 2021.
158. T. Brockhoff, M.S. Uysal, I. Terrier, H. Göhner, and W.M.P. van der Aalst. Analyzing Multi-level BOM-Structured Event Data. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS EDBA 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 47–59. Springer-Verlag, Berlin, 2021.
159. M. Pourbafrani, S. Kar, S. Kaiser, and W.M.P. van der Aalst. Remaining Time Prediction for Processes with Inter-case Dynamics. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS ML4PM 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 140–153. Springer-Verlag, Berlin, 2021.
160. M. Fani Sani, M. Vazifehdoostirani, G. Park, M. Pegoraro, S.J. van Zelst, and W.M.P. van der Aalst. Event Log Sampling for Predictive Monitoring. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS ML4PM 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 154–166. Springer-Verlag, Berlin, 2021.
161. A. Berti, G. Park, M. Rafiei, and W.M.P. van der Aalst. An Event Data Extraction Approach from SAP ERP for Process Mining. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS PQMI 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 255–267. Springer-Verlag, Berlin, 2021.
162. L. Barbieri, E.R.M. Madeira, K. Stroeh, and W.M.P. van der Aalst. Towards a Natural Language Conversational Interface for Process Mining. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED PAPERS PQMI 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 268–280. Springer-Verlag, Berlin, 2021.
163. A. Pery, M. Rafiei, M. Simon, and W.M.P. van der Aalst. Trustworthy Artificial Intelligence and Process Mining: Challenges and Opportunities. In J. Munoz-Gama and X. Lu, editors, PROCESS MINING WORKSHOPS OF THE INTERNATIONAL CONFERENCE ON PROCESS MINING (REVISED SELECTED

PAPERS TPSA 2021), volume 433 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 395–407. Springer-Verlag, Berlin, 2021.
164. W.M.P. van der Aalst and L.F.R. Santos. May I Take Your Order? - On the Interplay Between Time and Order in Process Mining. In A. Marrella and B. Weber, editors, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI), BPM 2021 WORKSHOP PROCEEDINGS, volume 436 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 99–110. Springer-Verlag, Berlin, 2021.
165. W.M.P. van der Aalst. Federated Process Mining: Exploiting Event Data Across Organizational Boundaries. In N. Atukorala, C. Chang, E. Damiani, M. Fu, G. Spanoudakis, M. Srivatsa, Z. Wang, and J. Zhang, editors, IEEE INTERNATIONAL CONFERENCE ON SMART DATA SERVICES (SMDS 2021), pages 1–7. IEEE, 2021.
166. W.M.P. van der Aalst, T. Brockhoff, A. Farhang, M. Pourbafrani, M.S. Uysal, and S. J. van Zelst. Removing Operational Friction Using Process Mining: Challenges Provided by the Internet of Production (IoP). In S. Hammoudi and C. Quix, editors, DATA MANAGEMENT TECHNOLOGIES AND APPLICATIONS, volume 1446 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE, pages 1–31. Springer-Verlag, Berlin, 2021.
167. R. Hobeck, C. Klinkmüller, H.M.N.D. Bandara, I. Weber, and W.M.P. van der Aalst. Process Mining on Blockchain Data: A Case Study of Augur. In A. Polyvyanyy, M.T. Wynn, A. Van Looy, and M. Reichert, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2021), volume 12875 of LECTURE NOTES IN COMPUTER SCIENCE, pages 306–323. Springer-Verlag, Berlin, 2021.
168. J. Yang, C. Ouyang, A.H.M. ter Hofstede, W.M.P. van der Aalst, and M. Leyer. Seeing the Forest for the Trees: Group-Oriented Workforce Analytics. In A. Polyvyanyy, M.T. Wynn, A. Van Looy, and M. Reichert, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2021), volume 12875 of LECTURE NOTES IN COMPUTER SCIENCE, pages 345–362. Springer-Verlag, Berlin, 2021.
169. J.N. Adams, S.J. van Zelst, L. Quack, K. Hausmann, W.M.P. van der Aalst, and T. Rose. A Framework for Explainable Concept Drift Detection in Process Mining. In A. Polyvyanyy, M.T. Wynn, A. Van Looy, and M. Reichert, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2021), volume 12875 of LECTURE NOTES IN COMPUTER SCIENCE, pages 400–416. Springer-Verlag, Berlin, 2021.
170. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Freezing Sub-models During Incremental Process Discovery. In A. Ghose, J. Horkoff, V. Souza, J. Parsons, and J. Evermann, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2021), volume 13011 of LECTURE NOTES IN COMPUTER SCIENCE, pages 14–24. Springer-Verlag, Berlin, 2021.
171. G. Park and W.M.P. van der Aalst. Realizing A Digital Twin of An Organization Using Action-oriented Process Mining. In C. Di Ciccio, C. Di Francescomarino, and P. Soffer, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2021), pages 104–111. IEEE, 2021.
172. J.N. Adams and W.M.P. van der Aalst. Precision and Fitness in Object-Centric Process Mining. In C. Di Ciccio, C. Di Francescomarino, and P. Soffer, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2021), pages 128–135. IEEE, 2021.
173. C.Y. Li, S.J. van Zelst, and W.M.P. van der Aalst. An Activity Instance Based Hierarchical Framework for Event Abstraction. In C. Di Ciccio, C. Di Francescomarino, and P. Soffer, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2021), pages 160–167. IEEE, 2021.
174. A.F. Ghahfarokhi, G. Park, A. Berti, and W.M.P. van der Aalst. OCEL: A Standard for Object-Centric Event Logs. In L. Bellatreche, M. Dumas, and P. Karras, editors, NEW TRENDS IN DATABASE AND INFORMATION SYSTEMS (SHORT PAPERS ADBIS 2021), volume 1450 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE, pages 169–175. Springer-Verlag, Berlin, 2021.
175. M.S. Uysal, D. Hüser, and W.M.P. van der Aalst. Optimization-Based Business Process Model Matching. In W. Abramowicz, S. Auer, and E. Lewanska, editors, INTERNATIONAL CONFERENCE ON BUSINESS INFORMATION SYSTEMS (BIS 2021), pages 61–72, 2021.
176. M. Pegoraro, M.S. Uysal, D.B. Georgi, and W.M.P. van der Aalst. Text-Aware Predictive Monitoring of Business Processes. In W. Abramowicz, S. Auer, and E. Lewanska, editors, INTERNATIONAL CONFERENCE ON BUSINESS INFORMATION SYSTEMS (BIS 2021), pages 221–232, 2021.
177. M. Pourbafrani and W.M.P. van der Aalst. Forward-Looking Process Mining. In W.M.P. van der Aalst Aalst, R. Dijkman, A. Kumar, F. Leotta, F. Maggi, J. Mendling, B. Pentland, A. Senderovich, M. Sepúlveda,

E. Asensio, and M. Weske, editors, PROCEEDINGS OF THE BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION RESOURCES TRACK AT BPM 2021, volume 2973 of CEUR WORKSHOP PROCEEDINGS, pages 56–61. CEUR-WS.org, 2021.

178. M. Rafiei, A. Schnitzler, and W.M.P. van der Aalst. PC4PM: A Tool for Privacy/Confidentiality Preservation in Process Mining. In W.M.P. van der Aalst, R. Dijkman, A. Kumar, F. Leotta, F. Maggi, J. Mendling, B. Pentland, A. Senderovich, M. Sepúlveda, E. Asensio, and M. Weske, editors, PROCEEDINGS OF THE BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION RESOURCES TRACK AT BPM 2021, volume 2973 of CEUR WORKSHOP PROCEEDINGS, pages 106–110. CEUR-WS.org, 2021.
179. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. An XES Extension for Uncertain Event Data. In W.M.P. van der Aalst, R. Dijkman, A. Kumar, F. Leotta, F. Maggi, J. Mendling, B. Pentland, A. Senderovich, M. Sepúlveda, E. Asensio, and M. Weske, editors, PROCEEDINGS OF THE BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION RESOURCES TRACK AT BPM 2021, volume 2973 of CEUR WORKSHOP PROCEEDINGS, pages 116–120. CEUR-WS.org, 2021.
180. H.M.N.D. Bandara, H. Bockrath, R. Hobeck, C. Klinkmüller, L. Pufahl, M. Rebesky, W.M.P. van der Aalst, and I. Weber. Event Logs of Ethereum-Based Applications: A Collection of Resources for Process Mining on Blockchain Data. In W.M.P. van der Aalst, R. Dijkman, A. Kumar, F. Leotta, F. Maggi, J. Mendling, B. Pentland, A. Senderovich, M. Sepúlveda, E. Asensio, and M. Weske, editors, PROCEEDINGS OF THE BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION RESOURCES TRACK AT BPM 2021, volume 2973 of CEUR WORKSHOP PROCEEDINGS, pages 161–165. CEUR-WS.org, 2021.
181. M. Rafiei and W.M.P. van der Aalst. Privacy-Preserving Continuous Event Data Publishing. In A. Polyvyanyy, M.T. Wynn, A. Van Looy, and M. Reichert, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM FORUM 2021), volume 427 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 178–194. Springer-Verlag, Berlin, 2021.
182. T. Brockhoff, M. Heithoff, I. Koren, J. Michael, J. Pfeiffer, B. Rumpe, M.S. Uysal, W.M.P. van der Aalst, and A. Wortmann. Process Prediction with Digital Twins. In INTERNATIONAL CONFERENCE ON MODEL DRIVEN ENGINEERING LANGUAGES AND SYSTEMS COMPANION (MODELS 2021 COMPANION), pages 182–187. IEEE, 2021.
183. M. Pourbafrani, S. Jiao, and W.M.P. van der Aalst. SIMPT: Process Improvement Using Interactive Simulation of Time-Aware Process Trees. In S. Cherfi, A. Perini, and S. Nurcan, editors, RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2021), volume 415 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 588–594. Springer-Verlag, Berlin, 2021.
184. M.S. Qafari and W.M.P. van der Aalst. Root Cause Analysis in Process Mining Using Structural Equation Models. In A. del Rio-Ortega, H. Leopold, and F.M. Santoro, editors, WORKSHOP ON ARTIFICIAL INTELLIGENCE FOR BUSINESS PROCESS MANAGEMENT (AI4BPM 2020), BPM 2020 WORKSHOP PROCEEDINGS, volume 397 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 155–167. Springer-Verlag, Berlin, 2020.
185. G. Park and W.M.P. van der Aalst. A General Framework for Action-Oriented Process Mining. In A. del Rio-Ortega, H. Leopold, and F.M. Santoro, editors, WORKSHOP ON ARTIFICIAL INTELLIGENCE FOR BUSINESS PROCESS MANAGEMENT (AI4BPM 2020), BPM 2020 WORKSHOP PROCEEDINGS, volume 397 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 206–218. Springer-Verlag, Berlin, 2020.
186. M. Fani Sani, M. Boltenhagen, and W.M.P. van der Aalst. Prototype Selection Using Clustering and Conformance Metrics for Process Discovery. In A. del Rio-Ortega, H. Leopold, and F.M. Santoro, editors, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI), BPM 2020 WORKSHOP PROCEEDINGS, volume 397 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 281–294. Springer-Verlag, Berlin, 2020.
187. L.L. Mannel, Y. Epstein, and W.M.P. van der Aalst. Improving the State-Space Traversal of the eST-Miner by Exploiting Underlying Log Structures. In A. del Rio-Ortega, H. Leopold, and F.M. Santoro, editors, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI), BPM 2020 WORKSHOP PROCEEDINGS, volume 397 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 334–347. Springer-Verlag, Berlin, 2020.
188. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Alignment Approximation for Process Trees. In S. Leemans and H. Leopold, editors, INTERNATIONAL WORKSHOP ON PROCESS QUERYING,

MANIPULATION, AND INTELLIGENCE (PQMI 2020), ICPM 2020 WORKSHOP PROCEEDINGS, volume 406 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 247–259. Springer-Verlag, Berlin, 2020.
189. M. Rafiei and W.M.P. van der Aalst. Towards Quantifying Privacy in Process Mining. In S. Leemans and H. Leopold, editors, INTERNATIONAL WORKSHOP ON TRUST AND PRIVACY IN PROCESS ANALYTICS (TPPA 2020), ICPM 2020 WORKSHOP PROCEEDINGS, volume 406 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 385–397. Springer-Verlag, Berlin, 2020.
190. C.Y. Li, S.J. van Zelst, and W.M.P. van der Aalst. Stage-Based Process Performance Analysis. In H. Hacid, F. Outay, and H. Paik, editors, AI-ENABLED PROCESS AUTOMATION (AI-PA 2020), ICSOC 2020 WORKSHOP PROCEEDINGS, volume 12632 of LECTURE NOTES IN COMPUTER SCIENCE, pages 349–364. Springer-Verlag, Berlin, 2020.
191. W.M.P. van der Aalst. Reduction Using Induced Subnets to Systematically Prove Properties for Free-Choice Nets. In D. Buchs and J. Carmona, editors, APPLICATIONS AND THEORY OF PETRI NETS AND CONCURRENCY (PN 2021), volume 12734 of LECTURE NOTES IN COMPUTER SCIENCE, pages 208–229. Springer-Verlag, Berlin, 2021.
192. W.M.P. van der Aalst. Concurrency and Objects Matter! Disentangling the Fabric of Real Operational Processes to Create Digital Twins. In A. Cerone and P. Olveczky, editors, INTERNATIONAL COLLOQUIUM ON THEORETICAL ASPECTS OF COMPUTING (ICTAC 2021), volume 12819 of LECTURE NOTES IN COMPUTER SCIENCE, pages 3–17. Springer-Verlag, Berlin, 2021.
193. W.M.P. van der Aalst. Using Free-Choice Nets for Process Mining and Business Process Management. In M. Ganzha, L.A. Maciaszek, M. Paprzycki, and D. Slezak, editors, FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS 2021), volume 25 of ANNALS OF COMPUTER SCIENCE AND INFORMATION SYSTEMS, pages 9–15. IEEE Computer Society, 2021.
194. M. Pourbafrani and W.M.P. van der Aalst. Extracting Process Features from Event Logs to Learn Coarse-Grained Simulation Models. In M. La Rosa, S. Sadiq, and E. Teniente, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2021), volume 12751 of LECTURE NOTES IN COMPUTER SCIENCE, pages 125–140. Springer-Verlag, Berlin, 2021.
195. M. Sadat Qafari and W.M.P. van der Aalst. Case Level Counterfactual Reasoning in Process Mining. In S. Nurcan and A. Korthaus, editors, INTELLIGENCE INFORMATION SYSTEMS (CAISE FORUM 2021), volume 425 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 55–63. Springer-Verlag, Berlin, 2021.
196. S.J. van Zelst, L.F.R. Santos, and W.M.P. van der Aalst. Data-Driven Process Performance Measurement and Prediction: A Process-Tree-Based Approach. In S. Nurcan and A. Korthaus, editors, INTELLIGENCE INFORMATION SYSTEMS (CAISE FORUM 2021), volume 425 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 73–81. Springer-Verlag, Berlin, 2021.
197. G. Park and W.M.P. van der Aalst. Towards Reliable Business Process Simulation: A Framework to Integrate ERP Systems. In A. Augusto, A. Gill, S. Nurcan, I. Reinhartz-Berger, R. Schmidt, and J. Zdravkovic, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS 2021), volume 421 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 112–127. Springer-Verlag, Berlin, 2021.
198. D. Schuster and S.J. van Zelst W.M.P. van der Aalst. Cortado—An Interactive Tool for Data-Driven Process Discovery and Modeling. In D. Buchs and J. Carmona, editors, APPLICATIONS AND THEORY OF PETRI NETS AND CONCURRENCY (PN 2021), volume 12734 of LECTURE NOTES IN COMPUTER SCIENCE, pages 465–475. Springer-Verlag, Berlin, 2021.
199. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. PROVED: A Tool for Graph Representation and Analysis of Uncertain Event Data. In D. Buchs and J. Carmona, editors, APPLICATIONS AND THEORY OF PETRI NETS AND CONCURRENCY (PN 2021), volume 12734 of LECTURE NOTES IN COMPUTER SCIENCE, pages 476–486. Springer-Verlag, Berlin, 2021.
200. L.L. Mannel, R. Bergenthum, and W.M.P. van der Aalst. Removing Implicit Places Using Regions for Process Discovery. In PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2020), volume 2625 of CEUR WORKSHOP PROCEEDINGS, pages 20–32. CEUR-WS.org, 2020.

201. V. Denisov, D. Fahland, and W.M.P. van der Aalst. Repairing Event Logs with Missing Events to Support Performance Analysis of Systems with Shared Resources. In R. Janicki, N. Sidorova, and T. Chatain, editors, APPLICATIONS AND THEORY OF PETRI NETS 2020, volume 12152 of LECTURE NOTES IN COMPUTER SCIENCE, pages 239–259, 2020.
202. W.M.P. van der Aalst, D. Tacke Genannt Unterberg, V. Denisov, and D. Fahland. Visualizing Token Flows Using Interactive Performance Spectra. In R. Janicki, N. Sidorova, and T. Chatain, editors, APPLICATIONS AND THEORY OF PETRI NETS 2020, volume 12152 of LECTURE NOTES IN COMPUTER SCIENCE, pages 369–380, 2020.
203. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Efficient Construction of Behavior Graphs for Uncertain Event Data. In W. Abramowicz and G. Klein, editors, INTERNATIONAL CONFERENCE ON BUSINESS INFORMATION SYSTEMS (BIS 2020), volume 389 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 76–88. Springer-Verlag, Berlin, 2020.
204. M. Pourbafrani, S.J. van Zelst, and W.M.P. van der Aalst. Supporting Automatic System Dynamics Model Generation for Simulation in the Context of Process Mining. In W. Abramowicz and G. Klein, editors, INTERNATIONAL CONFERENCE ON BUSINESS INFORMATION SYSTEMS (BIS 2020), volume 389 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 249–263. Springer-Verlag, Berlin, 2020.
205. M. Pourbafrani and W.M.P. van der Aalst. PMSD: Data-Driven Simulation Using System Dynamics and Process Mining. In PROCEEDINGS OF THE DEMONSTRATION TRACK OF THE 18TH INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2020), volume 2673 of CEUR WORKSHOP PROCEEDINGS, pages 77–81. CEUR-WS.org, 2020.
206. M. Rafiei and W.M.P. van der Aalst. Practical Aspect of Privacy-Preserving Data Publishing in Process Mining. In PROCEEDINGS OF THE DEMONSTRATION TRACK OF THE 18TH INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2020), volume 2673 of CEUR WORKSHOP PROCEEDINGS, pages 92–96. CEUR-WS.org, 2020.
207. M. Rafiei and W.M.P. van der Aalst. Privacy-Preserving Data Publishing in Process Mining. In D. Fahland, C. Ghidini, J. Becker, and M. Dumas, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM FORUM 2020), volume 392 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 122–138. Springer-Verlag, Berlin, 2020.
208. L. Delcoucq, F. Lecron, P. Fortemps, and W.M.P. van der Aalst. Resource-Centric Process Mining: Clustering Using Local Process Models. In C.C. Hung, T. Cerny, D. Shin, and A. Bechini, editors, ANNUAL ACM SYMPOSIUM ON APPLIED COMPUTING (SAC 2020), pages 45–52. ACM Press, 2020.
209. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. Conformance Checking Approximation Using Subset Selection and Edit Distance. In S. Dustdar, E. Yu, C. Salinesi, D. Rieu, and V. Pant, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2020), volume 12127 of LECTURE NOTES IN COMPUTER SCIENCE, pages 234–251. Springer-Verlag, Berlin, 2020.
210. W.M.P. van der Aalst. On the Pareto Principle in Process Mining and Task Mining and Robotic Process Automation. In S. Hammoudi, C. Quix, and J. Bernardino, editors, PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON DATA SCIENCE, TECHNOLOGY AND APPLICATIONS (DATA 2020), pages 5–12. SciTePress, 2020.
211. M. Pourbafrani, S.J. van Zelst, and W.M.P. van der Aalst. Semi-automated Time-Granularity Detection for Data-Driven Simulation Using Process Mining and System Dynamics. In G. Dobbie, U. Frank, G. Kappel, S. Liddle, and H.C. Mayr, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2020), volume 12400 of LECTURE NOTES IN COMPUTER SCIENCE, pages 77–91, 2020.
212. Z. Toosinezhad, D. Fahland, O. Koroglu, and W.M.P. van der Aalst. Detecting System-Level Behavior Leading To Dynamic Bottlenecks. In B.F. van Dongen, M. Montali, and M. Wynn, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2020), pages 17–24. IEEE Computer Society, 2020.
213. A. Berti, W.M.P. van der Aalst, D. Zang, and M. Lang. An Open-Source Integration of Process Mining Features Into the Camunda Workflow Engine: Data Extraction and Challenges. In C. Di Ciccio, B. Depaire, J. De Weerdt, C. Di Francescomarino, and J. Munoz-Gama, editors, PROCEEDINGS OF THE ICPM DOCTORAL CONSORTIUM AND TOOL DEMONSTRATION TRACK 2020 CO-LOCATED WITH THE 2ND INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2020), volume 2703 of CEUR WORKSHOP PROCEEDINGS, pages 23–26. CEUR-WS.org, 2020.

214. V. Denisov, D. Fahland, and W.M.P. van der Aalst. Multi-Dimensional Performance Analysis and Monitoring Using Integrated Performance Spectra. In C. Di Ciccio, B. Depaire, J. De Weerdt, C. Di Francescomarino, and J. Munoz-Gama, editors, PROCEEDINGS OF THE ICPM DOCTORAL CONSORTIUM AND TOOL DEMONSTRATION TRACK 2020 CO-LOCATED WITH THE 2ND INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2020), volume 2703 of CEUR WORKSHOP PROCEEDINGS, pages 27–30. CEUR-WS.org, 2020.
215. T. Brockhoff, M.S. Uysal, and W.M.P. van der Aalst. Time-aware Concept Drift Detection Using the Earth Mover's Distance. In B.F. van Dongen, M. Montali, and M. Wynn, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2020), pages 33–40. IEEE Computer Society, 2020.
216. M. Dees, B. Hompes, and W.M.P. van der Aalst. Events Put into Context (EPiC). In B.F. van Dongen, M. Montali, and M. Wynn, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2020), pages 65–72. IEEE Computer Society, 2020.
217. M. Fani Sani, J.J.G. Gonzalez, S.J. van Zelst, and W.M.P. van der Aalst. Conformance Checking Approximation Using Simulation. In B.F. van Dongen, M. Montali, and M. Wynn, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2020), pages 105–112. IEEE Computer Society, 2020.
218. W.M.P. van der Aalst. Process Mining as the Superglue between Data and Process Management. In M. van Sinderen, H.G. Fill, and L.A. Maciaszek, editors, PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON SOFTWARE TECHNOLOGIES (ICSOFT 2020), pages 7–8. ScitePress, 2020.
219. M. Pourbafrani, S.J. van Zelst, and W.M.P. van der Aalst. Supporting Decisions in Production Line Processes by Combining Process Mining and System Dynamics. In T.Z. Ahram, W. Karwowski, and A. Vergnano, editors, PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT HUMAN SYSTEMS INTEGRATION (IHSI 2020), volume 1131 of ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING, pages 461–467. Springer-Verlag, Berlin, 2020.
220. M. Rafiei, M. Wagner, and W.M.P. van der Aalst. TLKC-Privacy Model for Process Mining. In F. Dalpiaz, J. Zdravkovic, and P. Loucopoulos, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2020), volume 385 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 398–416. Springer-Verlag, Berlin, 2020.
221. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Incremental Discovery of Hierarchical Process Models. In F. Dalpiaz, J. Zdravkovic, and P. Loucopoulos, editors, INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2020), volume 385 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 417–433. Springer-Verlag, Berlin, 2020.
222. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. The Impact of Event Log Subset Selection on the Performance of Process Discovery Algorithms. In T. Welzer and J. Eder, editors, NEW TRENDS IN DATABASES AND INFORMATION SYSTEMS, ADBIS 2019 SHORT PAPERS, volume 1064 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE, pages 391–404. Springer-Verlag, Berlin, 2019.
223. E. Benevento, P.M. Dixit, M. Fani Sani, D. Aloini, and W.M.P. van der Aalst. Evaluating the Effectiveness of Interactive Process Discovery in Healthcare: A Case Study. In C. Di Francescomarino, R. Dijkman, and U. Zdun, editors, WORKSHOP PROCESS-ORIENTED DATA SCIENCE FOR HEALTHCARE (PODS4H 2019), BPM 2019 WORKSHOP PROCEEDINGS, volume 362 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 508–519. Springer-Verlag, Berlin, 2019.
224. A. Pika, M. Wynn, S. Budiono, A. ter Hofstede, W.M.P. van der Aalst, and H.A. Reijers. Towards Privacy-Preserving Process Mining in Healthcare. In C. Di Francescomarino, R. Dijkman, and U. Zdun, editors, WORKSHOP PROCESS-ORIENTED DATA SCIENCE FOR HEALTHCARE (PODS4H 2019), BPM 2019 WORKSHOP PROCEEDINGS, volume 362 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 483–495. Springer-Verlag, Berlin, 2019.
225. M. Rafiei and W.M.P. van der Aalst. Mining Roles From Event Logs While Preserving Privacy. In C. Di Francescomarino, R. Dijkman, and U. Zdun, editors, WORKSHOP SECURITY AND PRIVACY-ENHANCED BUSINESS PROCESS MANAGEMENT (SPBP 2019), BPM 2019 WORKSHOP PROCEEDINGS, volume 362 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 676–689. Springer-Verlag, Berlin, 2019.
226. C.Y. Li, S. van Zelst, and W.M.P. van der Aalst. A Generic Approach for Process Performance Analysis using Bipartite Graph Matching. In C. Di Francescomarino, R. Dijkman, and U. Zdun, editors, WORKSHOP ON

BUSINESS PROCESS INTELLIGENCE (BPI 2019), BPM 2019 WORKSHOP PROCEEDINGS, volume 362 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 199–211. Springer-Verlag, Berlin, 2019.
227. L.L. Mannel and W.M.P. van der Aalst. Finding Uniwired Petri Nets Using eST-Miner. In C. Di Francescomarino, R. Dijkman, and U. Zdun, editors, WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2019), BPM 2019 WORKSHOP PROCEEDINGS, volume 362 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 224–237. Springer-Verlag, Berlin, 2019.
228. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Discovering Process Models from Uncertain Event Data. In C. Di Francescomarino, R. Dijkman, and U. Zdun, editors, WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2019), BPM 2019 WORKSHOP PROCEEDINGS, volume 362 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 238–249. Springer-Verlag, Berlin, 2019.
229. A. Berti and W.M.P. van der Aalst. Extracting Multiple Viewpoint Models from Relational Databases. In P. Ceravolo, M. van Keulen, and M.T. Gomez Lopez, editors, POSTPROCEEDINGS INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS, volume 379 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 24–51. Springer-Verlag, Berlin, 2020.
230. M. Rafiei, L. von Waldthausen, and W.M.P. van der Aalst. Supporting Confidentiality in Process Mining Using Abstraction and Encryption. In P. Ceravolo, M. van Keulen, and M.T. Gomez Lopez, editors, POSTPROCEEDINGS INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS, volume 379 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 101–123. Springer-Verlag, Berlin, 2020.
231. M. Pegoraro and W.M.P. van der Aalst. Mining Uncertain Event Data in Process Mining. In J. Carmona, M. Jans, and M. La Rosa, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2019), pages 89–96, Aachen, Germany, 2019. IEEE Computer Society.
232. V. Denisov, D. Fahland, and W.M.P. van der Aalst. Predictive Performance Monitoring of Material Handling Systems Using the Performance Spectrum. In J. Carmona, M. Jans, and M. La Rosa, editors, INTERNATIONAL CONFERENCE ON PROCESS MINING (ICPM 2019), pages 137–144, Aachen, Germany, 2019. IEEE Computer Society.
233. J. Gao, S.J. van Zelst, X. Lu, and W.M.P. van der Aalst. Automated Robotic Process Automation: A Self-Learning Approach. In H. Panetto, C. Debruyne, M. Hepp, D. Lewis, C.A. Ardagna, and R. Meersman, editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2019), volume 11877 of LECTURE NOTES IN COMPUTER SCIENCE, pages 95–112. Springer-Verlag, Berlin, 2019.
234. M.S. Qafari and W.M.P. van der Aalst. Fairness-Aware Process Mining. In H. Panetto, C. Debruyne, M. Hepp, D. Lewis, C.A. Ardagna, and R. Meersman, editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2019), volume 11877 of LECTURE NOTES IN COMPUTER SCIENCE, pages 182–192. Springer-Verlag, Berlin, 2019.
235. M. Pourbafrani, S.J. van Zelst, and W.M.P. van der Aalst. Scenario-Based Prediction of Business Processes Using System Dynamics. In H. Panetto, C. Debruyne, M. Hepp, D. Lewis, C.A. Ardagna, and R. Meersman, editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS, INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2019), volume 11877 of LECTURE NOTES IN COMPUTER SCIENCE, pages 422–439. Springer-Verlag, Berlin, 2019.
236. G. Li, R.M. de Carvalho, and W.M.P. van der Aalst. Object-Centric Behavioral Constraint Models: A Hybrid Model For Behavioral and Data Perspectives. In C.C. Hung and G.A. Papadopoulos, editors, ACM/SIGAPP SYMPOSIUM ON APPLIED COMPUTING (SAC 2019), pages 48–56, Limassol, Cyprus, 2019. ACM Press, New York, NY, USA.
237. L. Mannel and W.M.P. van der Aalst. Finding Complex Process-Structures by Exploiting the Token-Game. In S. Donatelli and S. Haar, editors, APPLICATIONS AND THEORY OF PETRI NETS 2019, volume 11522 of LECTURE NOTES IN COMPUTER SCIENCE, pages 258–278. Springer-Verlag, Berlin, 2019.
238. M. Dees, M. de Leoni, W.M.P. van der Aalst, and H. Reijers. What If Process Predictions Are Not Followed By Good Recommendations? In J. vom Brocke, J. Mendling, and M. Rosemann, editors, PROCEEDINGS OF THE INDUSTRY FORUM AT BPM 2019, volume 2428 of CEUR WORKSHOP PROCEEDINGS, pages 61–72. CEUR-WS.org, 2019.

239. C. Klinkmüller, A. Ponomarev, A.B. Tran, I. Weber, and W.M.P. van der Aalst. Mining Blockchain Processes: Extracting Process Mining Data from Blockchain Applications. In C. Di Ciccio, R. Gabryelczyk, L. Garcia-Banuelos, T. Hernaus, R. Hull, M.I. Stemberger, A. Ko, and M. Staples, editors, BUSINESS PROCESS MANAGEMENT: BLOCKCHAIN AND CENTRAL AND EASTERN EUROPE FORUM (BPM 2019), volume 361 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 71–86. Springer-Verlag, Berlin, 2019.
240. M.R. Harati Nik, W.M.P. van der Aalst, and M. Fani Sani. BIpm: Combining BI and Process Mining. In S. Hammoudi, C. Quix, and J. Bernardino, editors, INTERNATIONAL CONFERENCE ON DATA SCIENCE, TECHNOLOGY AND APPLICATIONS (DATA 2019), pages 123–128, Prague, Czech Republic, 2019. SciTePress.
241. C. Liu, B.F. van Dongen, N. Assy, and W.M.P. van der Aalst. A General Framework to Identify Software Components from Execution Data. In E. Damiani, G. Spanoudakis, and L.A. Maciaszek, editors, INTERNATIONAL CONFERENCE ON EVALUATION OF NOVEL APPROACHES TO SOFTWARE ENGINEERING (ENASE 2019), pages 234–241, Crete, Greece, 2019. SciTePress.
242. G. Li, R.M. de Carvalho, and W.M.P. van der Aalst. A Model-based Framework to Automatically Generate Semi-real Data for Evaluating Data Analysis Techniques. In J. Filipe, M. Smialek, A. Brodsky, and S. Hammoudi, editors, INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (ICEIS 2019), pages 213–220, Crete, Greece, 2019. SciTePress.
243. A. Berti and W.M.P. van der Aalst. Reviving Token-based Replay: Increasing Speed While Improving Diagnostics. In PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2019), volume 2371 of CEUR WORKSHOP PROCEEDINGS, pages 87–103. CEUR-WS.org, 2019.
244. W.M.P. van der Aalst. A Practitioner's Guide to Process Mining: Limitations of the Directly-Follows Graph. In INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (CENTERIS 2019), volume 164 of PROCEDIA COMPUTER SCIENCE, pages 321–328. Elsevier, 2019.
245. W.M.P. van der Aalst. Everything You Always Wanted to Know About Petri Nets, but Were Afraid to Ask. In T.T. Hildebrandt, B.F. van Dongen, M. Röglinger, and J. Mendling, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2019), volume 11675 of LECTURE NOTES IN COMPUTER SCIENCE, pages 3–9. Springer-Verlag, Berlin, 2019.
246. A. Artale, A. Kovtunova, M. Montali, and W.M.P. van der Aalst. Modeling and Reasoning over Declarative Data-Aware Processes with Object-Centric Behavioral Constraints. In T.T. Hildebrandt, B.F. van Dongen, M. Röglinger, and J. Mendling, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2019), volume 11675 of LECTURE NOTES IN COMPUTER SCIENCE, pages 139–156. Springer-Verlag, Berlin, 2019.
247. S.J.J. Leemans, A.F. Syring, and W.M.P. van der Aalst. Earth Movers' Stochastic Conformance Checking. In T.T. Hildebrandt, B.F. van Dongen, M. Röglinger, and J. Mendling, editors, BUSINESS PROCESS MANAGEMENT FORUM (BPM FORUM 2019), volume 360 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 127–143. Springer-Verlag, Berlin, 2019.
248. M. Fani Sani, A. Berti, S.J. van Zelst, and W.M.P. van der Aalst. Filtering Toolkit: Interactively Filter Event Logs to Improve the Quality of Discovered Models. In PROCEEDINGS OF THE BPM DEMO TRACK AT BPM 2019, volume 2420 of CEUR WORKSHOP PROCEEDINGS, pages 134–138. CEUR-WS.org, 2019.
249. A. Berti, S.J. van Zelst, and W.M.P. van der Aalst. PM4Py Web Services: Easy Development, Integration and Deployment of Process Mining Features in any Application Stack. In PROCEEDINGS OF THE BPM DEMO TRACK AT BPM 2019, volume 2420 of CEUR WORKSHOP PROCEEDINGS, pages 174–183. CEUR-WS.org, 2019.
250. W.M.P. van der Aalst. Object-Centric Process Mining: Dealing With Divergence and Convergence in Event Data. In P.C. Ölveczky and G. Salaün, editors, SOFTWARE ENGINEERING AND FORMAL METHODS (SEFM 2019), volume 11724 of LECTURE NOTES IN COMPUTER SCIENCE, pages 3–25. Springer-Verlag, Berlin, 2019.
251. M. Leemans, W.M.P. van der Aalst, and M. van den Brand. The Statechart Workbench: Enabling Scalable Software Event Log Analysis Using Process Mining. In R. Oliveto, M. Di Penta, and D. Shepherd, editors, INTERNATIONAL CONFERENCE ON SOFTWARE ANALYSIS, EVOLUTION AND REENGINEERING (SANER 2018), pages 502–506. IEEE Computer Society, 2018.

252. V. Bloemen, J. van de Pol, and W.M.P. van der Aalst. Symbolically Aligning Observed and Modelled Behaviour. In T. Chatain and R. Grosu, editors, INTERNATIONAL CONFERENCE ON APPLICATION OF CONCURRENCY TO SYSTEM DESIGN (ACSD 2018), pages 50–59. IEEE Computer Society, 2018.
253. M. Leemans, W.M.P. van der Aalst, and M. van den Brand. Recursion Aware Modeling and Discovery for Hierarchical Software Event Log Analysis. In R. Oliveto, M. Di Penta, and D. Shepherd, editors, INTERNATIONAL CONFERENCE ON SOFTWARE ANALYSIS, EVOLUTION AND REENGINEERING (SANER 2018), pages 185–196. IEEE Computer Society, 2018.
254. A. Berti and W.M.P. van der Aalst. StarStar Models: Using Events at Database Level for Process Analysis. In P. Ceravolo, M. van Keulen, and M.T. Gomez Lopez, editors, INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2018), volume 2270 of CEUR WORKSHOP PROCEEDINGS, pages 60–64. CEUR-WS.org, 2018.
255. M. Rafiei, L. von Waldthausen, and W.M.P. van der Aalst. Ensuring Confidentiality in Process Mining. In P. Ceravolo, M.T. Gomez Lopez, and M. van Keulen, editors, INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2018), volume 2270 of CEUR WORKSHOP PROCEEDINGS, pages 3–17. CEUR-WS.org, 2018.
256. W.M.P. van der Aalst. Responsible Data Science in a Dynamic World: The Four Essential Elements of Data Science. In L. Strous and V.G. Cerf, editors, INTERNET OF THINGS - INFORMATION PROCESSING IN AN INCREASINGLY CONNECTED WORLD, volume 548 of IFIP ADVANCES IN INFORMATION AND COMMUNICATION TECHNOLOGY, pages 3–10. Springer-Verlag, Berlin, 2018.
257. W.M.P. van der Aalst. Process Mining and Simulation: A Match Made in Heaven! In A. D'Ambrogio and G. Zacharewicz, editors, COMPUTER SIMULATION CONFERENCE (SUMMERSIM 2018), pages 1–12. ACM Press, 2018.
258. N. Assy, B.F. van Dongen, and W.M.P. van der Aalst. Similarity Resonance for Improving Process Model Matching Accuracy. In H.M. Haddad, R.L. Wainwright, and R. Chbeir, editors, ANNUAL ACM SYMPOSIUM ON APPLIED COMPUTING (SAC 2018), pages 86–93. ACM Press, 2018.
259. P.M. Dixit, J.C.A.M. Buijs, and W.M.P. van der Aalst. ProDiGy: Human-in-the-loop process discovery. In INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS2018), pages 1–12. IEEE Computer Society, 2018.
260. B. Hompes and W.M.P. van der Aalst. Lifecycle-Based Process Performance Analysis. In H. Panetto, C. Debruyne, H. Proper, C. Ardagna, D. Roman, and R. Meersman, editors, PROCEEDINGS OF THE OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2018), volume 11229 of LECTURE NOTES IN COMPUTER SCIENCE, pages 336–353. Springer-Verlag, Berlin, 2018.
261. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. Applying Sequence Mining for Outlier Detection in Process Mining. In H. Panetto, C. Debruyne, H. Proper, C. Ardagna, D. Roman, and R. Meersman, editors, PROCEEDINGS OF THE OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2018), volume 11230 of LECTURE NOTES IN COMPUTER SCIENCE, pages 98–116. Springer-Verlag, Berlin, 2018.
262. C. Liu, B.F. van Dongen, N. Assy, and W.M.P. van der Aalst. Component Interface Identification and Behavioral Model Discovery From Software Execution Data. In F. Khomh, C.K. Roy, and J. Siegmund, editors, INTERNATIONAL CONFERENCE ON PROGRAM COMPREHENSION (ICPC 2018), pages 97–107. ACM Press, 2018.
263. M. Leemans, W.M.P. van der Aalst, and M. van den Brand. Hierarchical Performance Analysis For Process Mining. In M. Kuhrmann, R.V. O'Connor, and D. Houston, editors, INTERNATIONAL CONFERENCE ON SOFTWARE AND SYSTEM PROCESS (ICSSP 2018), pages 96–105. ACM Press, 2018.
264. N. Tax, N. Sidorova, R. Haakma, and W.M.P. van der Aalst. Mining Local Process Models with Constraints Efficiently: Applications to the Analysis of Smart Home Data. In INTERNATIONAL CONFERENCE ON INTELLIGENT ENVIRONMENTS (IE 2018), pages 56–63. IEEE Computer Society, 2018.
265. G. Li, R. Medeiros de Carvalho, and W.M.P. van der Aalst. Configurable Event Correlation for Process Discovery from Object-Centric Event Data. In IEEE INTERNATIONAL CONFERENCE ON WEB SERVICES (ICWS 2018), pages 203–210. IEEE Computer Society, 2018.
266. M. Leemans, W.M.P. van der Aalst, M. van den Brand, R. Schiffelers, and L. Lensink. Software Process Analysis Methodology: A Methodology Based on Lessons Learned in Embracing Legacy Software. In INTERNATIONAL CONFERENCE ON SOFTWARE MAINTENANCE AND EVOLUTION (ICSME 2018), pages 665–674. IEEE Computer Society, 2018.

267. C. Liu, B.F. van Dongen, N. Assy, and W.M.P. van der Aalst. A General Framework to Detect Behavioral Design Patterns. In M. Chaudron, I. Crnkovic, M. Chechik, and M. Harman, editors, INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING, COMPANION PROCEEDINGS (ICSE 2018), pages 234–235. ACM Press, 2018.
268. W.M.P. van der Aalst. Markings in Perpetual Free-Choice Nets Are Fully Characterized by Their Enabled Transitions. In V. Khomenko and O. Roux, editors, APPLICATIONS AND THEORY OF PETRI NETS 2018, volume 10877 of LECTURE NOTES IN COMPUTER SCIENCE, pages 315–336. Springer-Verlag, Berlin, 2018.
269. M.L. van Eck, E. Markslag, N. Sidorova, A. Brosens-Kessels, and W.M.P. van der Aalst. Data-Driven Usability Test Scenario Creation. In C. Bogdan, K. Kuusinen, M. Larusdottir, P. Palanque, and M. Winckler, editors, INTERNATIONAL WORKING CONFERENCE ON HUMAN-CENTERED SOFTWARE ENGINEERING (HCSE 2018), volume 11262 of LECTURE NOTES IN COMPUTER SCIENCE, pages 88–108. Springer-Verlag, Berlin, 2018.
270. P.M. Dixit, H.M.W. Verbeek, and W.M.P. van der Aalst. Incremental Computation of Synthesis Rules for Free-Choice Petri Nets. In K. Bae and C.B. Olveczky, editors, INTERNATIONAL CONFERENCE ON FORMAL ASPECTS OF COMPONENT SOFTWARE (FACS 2018), volume 11222 of LECTURE NOTES IN COMPUTER SCIENCE, pages 97–117. Springer-Verlag, Berlin, 2018.
271. P.M. Dixit, H.M.W. Verbeek, J.C.A.M. Buijs, and W.M.P. van der Aalst. Interactive Data-Driven Process Model Construction. In J. Trujillo, K.C. Davis, X. Du, Z. Li, T.W. Ling, G. Li, and M.L. Lee, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2018), volume 11157 of LECTURE NOTES IN COMPUTER SCIENCE, pages 251–265. Springer-Verlag, Berlin, 2018.
272. N. Tax, N. Sidorova, W.M.P. van der Aalst, and R. Haakma. LocalProcessModelDiscovery: Bringing Petri Nets to the Pattern Mining World. In V. Khomenko and O. Roux, editors, APPLICATIONS AND THEORY OF PETRI NETS 2018, volume 10877 of LECTURE NOTES IN COMPUTER SCIENCE, pages 374–384. Springer-Verlag, Berlin, 2018.
273. C. Liu, B.F. van Dongen, N. Assy, and W.M.P. van der Aalst. A Framework to Support Behavioral Design Pattern Detection from Software Execution Data. In E. Damiani, G. Spanoudakis, and L.A. Maciaszek, editors, INTERNATIONAL CONFERENCE ON EVALUATION OF NOVEL APPROACHES TO SOFTWARE ENGINEERING (ENASE 2018), pages 65–76, Madeira, 2018. Scitepress.
274. D. Calvanese, T.E. Kalayci, M. Montali, A. Santoso, and W.M.P. van der Aalst. Conceptual Schema Transformation in Ontology-Based Data Access. In C. Faron-Zucker, C. Ghidini, A. Napoli, and Y. Toussaint, editors, KNOWLEDGE ENGINEERING AND KNOWLEDGE MANAGEMENT (EKAW 2018), volume 11313 of LECTURE NOTES IN COMPUTER SCIENCE, pages 50–67. Springer-Verlag, Berlin, 2018.
275. P.M. Dixit, H.M.W. Verbeek, and W.M.P. van der Aalst. Fast Conformance Analysis Based on Activity Log Abstraction. In IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC 2018), pages 135–144. IEEE Computer Society, 2018.
276. D. Calvanese, T.E. Kalayci, M. Montali, A. Santoso, and W.M.P. van der Aalst. Conceptual Schema Transformation in Ontology-based Data Access. In INTERNATIONAL WORKSHOP ON DESCRIPTION LOGICS (DL 2018), volume 2211 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2018.
277. P.M. Dixit, S. Suriadi, R. Andrews, M. Thandar Wynn, A.H.M. ter Hofstede, J.C.A.M. Buijs, and W.M.P. van der Aalst. Detection and Interactive Repair of Event Ordering Imperfection in Process Logs. In J. Krogstie and H.A. Reijers, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2018), volume 10816 of LECTURE NOTES IN COMPUTER SCIENCE, pages 274–290. Springer-Verlag, Berlin, 2018.
278. G. Li, E. González López de Murillas, R. Medeiros de Carvalho, and W.M.P. van der Aalst. Extracting Object-Centric Event Logs to Support Process Mining on Databases. In J. Mendling and H. Mouratidis, editors, INFORMATION SYSTEMS IN THE BIG DATA ERA, CAISE FORUM 2018, volume 317 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 182–199. Springer-Verlag, Berlin, 2018.
279. V. Bloemen, S.J. van Zelst, W.M.P. van der Aalst, B.F. van Dongen, and J. van de Pol. Maximizing Synchronization for Aligning Observed and Modelled Behaviour. In M. Weske, M. Montali, I. Weber, and J. vom Brocke, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2018), volume 11080 of LECTURE NOTES IN COMPUTER SCIENCE, pages 233–249. Springer-Verlag, Berlin, 2018.

280. V. Denisov, D. Fahland, and W.M.P. van der Aalst. Unbiased, Fine-Grained Description of Processes Performance from Event Data. In M. Weske, M. Montali, I. Weber, and J. vom Brocke, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2018), volume 11080 of LECTURE NOTES IN COMPUTER SCIENCE, pages 139–157. Springer-Verlag, Berlin, 2018.
281. V. Denisov, E. Belkina, D. Fahland, and W.M.P. van der Aalst. The Performance Spectrum Miner: Visual Analytics for Fine-Grained Performance Analysis of Processes. In PROCEEDINGS OF THE BPM DEMO TRACK, volume 2196 of CEUR WORKSHOP PROCEEDINGS, pages 96–100. CEUR-WS.org, 2018.
282. W.L.J. Lee, J. Munoz-Gama, H.M.W. Verbeek, W.M.P. van der Aalst, and M. Sepulveda. Improving Merging Conditions for Recomposing Conformance Checking. In F. Daniel, Q.Z. Sheng, and H. Motahari, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2018), volume 342 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 31–43. Springer-Verlag, Berlin, 2018.
283. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Multi-instance Mining: Discovering Synchronisation in Artifact-Centric Processes. In F. Daniel, Q.Z. Sheng, and H. Motahari, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2018), volume 342 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 18–30. Springer-Verlag, Berlin, 2018.
284. D. Schunselaar, T. Slaats, F. Maggi, H.A. Reijers, and W.M.P. van der Aalst. Mining Hybrid Business Process Models: A Quest for Better Precision. In W. Abramowicz and A. Paschke, editors, BUSINESS INFORMATION SYSTEMS (BIS 2018), volume 320 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 190–205. Springer-Verlag, Berlin, 2018.
285. P.M. Dixit, H.M.W. Verbeek J.C.A.M. Buijs, and W.M.P. van der Aalst. Fast Incremental Conformance Analysis for Interactive Process Discovery. In W. Abramowicz and A. Paschke, editors, BUSINESS INFORMATION SYSTEMS (BIS 2018), volume 320 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 163–175. Springer-Verlag, Berlin, 2018.
286. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. Repairing Outlier Behaviour in Event Logs. In W. Abramowicz and A. Paschke, editors, BUSINESS INFORMATION SYSTEMS (BIS 2018), volume 320 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 115–131. Springer-Verlag, Berlin, 2018.
287. A. Syamsiyah, B.F. van Dongen, and W.M.P. van der Aalst. Recurrent Process Mining with Live Event Data. In E. Teniente and M. Weidlich, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2017), volume 308 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 178–190. Springer-Verlag, Berlin, 2017.
288. M. Fani Sani, S.J. van Zelst, and W.M.P. van der Aalst. Improving Process Discovery Results by Filtering Outliers Using Conditional Behavioural Probabilities. In E. Teniente and M. Weidlich, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2017), volume 308 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 216–229. Springer-Verlag, Berlin, 2017.
289. A. Kalenkova, A. Ageev, I.A. Lomazova, and W.M.P. van der Aalst. E-Government Services: Comparing Real and Expected User Behavior. In E. Teniente and M. Weidlich, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, WORKSHOP ON CROSS-CUTTING ASPECTS OF BUSINESS PROCESS MODELING (CCABPM 2017), volume 308 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 484–496. Springer-Verlag, Berlin, 2017.
290. H.S. Garcia Caballero, M.A. Westenberg, H.M.W. Verbeek, and W.M.P. van der Aalst. Visual Analytics for Soundness Verification of Process Models. In E. Teniente and M. Weidlich, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, volume 308 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 744–756. Springer-Verlag, Berlin, 2017.
291. A.A. Mitsyuk, I.A. Lomazova, I.S. Shugurov, and W.M.P. van der Aalst. Process Model Repair by Detecting Unfitting Fragments. In PROCEEDINGS OF THE SIXTH INTERNATIONAL CONFERENCE ON ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS (AIST 2017), volume 308 of CEUR WORKSHOP PROCEEDINGS, pages 301–313. CEUR-WS.org, 2017.
292. W.M.P. van der Aalst. Relating Process Models and Event Logs: 21 Conformance Propositions. In PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE

ANALYSIS OF EVENT DATA (ATAED 2018), volume 2115 of CEUR WORKSHOP PROCEEDINGS, pages 56–74. CEUR-WS.org, 2018.
293. W.M.P. van der Aalst. Discovering the “Glue” Connecting Activities - Exploiting Monotonicity to Learn Places Faster. In F. de Boer, M. Bonsangue, and J. Rutten, editors, IT’S ALL ABOUT COORDINATION, Lecture Notes in Computer Science, pages 1–20. Springer-Verlag, Berlin, 2018.
294. E. Poppe, M.T. Wynn, A.H.M. ter Hofstede, R. Brown, A. Pini, and W.M.P. van der Aalst. ProcessProfiler3D: A Tool for Visualising Performance Differences Between Process Cohorts and Process Instances. In PROCEEDINGS OF THE BPM 2017 DEMO TRACK, volume 1920, pages 1–5. CEUR-WS.org, 2017.
295. W.L.M. Lee, H.M.W. Verbeek, J.M. Gama, W.M.P. van der Aalst, and M. Sepúlveda. Replay using Recomposition: Alignment-Based Conformance Checking in the Large. In PROCEEDINGS OF THE BPM 2017 DEMO TRACK, volume 1920, pages 1–5. CEUR-WS.org, 2017.
296. W.M.P. van der Aalst, R. De Masellis, C. Di Francescomarino, and C. Ghidini. Learning Hybrid Process Models From Events: Process Discovery Without Faking Confidence. In J. Carmona, G. Engels, and A. Kumar, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2017), volume 10445 of LECTURE NOTES IN COMPUTER SCIENCE, pages 59–76. Springer-Verlag, Berlin, 2017.
297. P. Dixit, H.S.G. Caballero, A. Corvò, B.F.A. Hompes, J C.A.M. Buijs, and W.M.P. van der Aalst. Enabling Interactive Process Analysis with Process Mining and Visual Analytics. In PROCEEDINGS OF THE 10TH INTERNATIONAL JOINT CONFERENCE ON BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES (BIOSTEC/HEALTHINF 2017), pages 573–584, 2017.
298. A. Syamsiyah, B.F. van Dongen, and W.M.P. van der Aalst. Discovering Social Networks Instantly: Moving Process Mining Computations to the Database and Data Entry Time. In I. Reinhartz-Berger, J. Gulden, S. Nurcan, W. Guedria, and P. Bera, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS 2017), volume 287 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 51–67. Springer-Verlag, Berlin, 2017.
299. G. Li, R. Medeiros de Carvalho, and W.M.P. van der Aalst. Automatic Discovery of Object-Centric Behavioral Constraint Models. In W. Abramowicz, editor, BUSINESS INFORMATION SYSTEMS (BIS 2017), volume 288 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 43–58. Springer-Verlag, Berlin, 2017.
300. A. Bolt, W.M.P. van der Aalst, and M. de Leoni. Finding process variants in event logs. In ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS (OTM 2017), volume 10573 of LECTURE NOTES IN COMPUTER SCIENCE, pages 45–52. Springer-Verlag, Berlin, 2017.
301. M. Leemans and W.M.P. van der Aalst. Modeling and Discovering Cancelation Behavior. In ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS (OTM 2017), volume 10573 of LECTURE NOTES IN COMPUTER SCIENCE, pages 93–113. Springer-Verlag, Berlin, 2017.
302. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Guided Interaction Exploration in Artifact-centric Process Models. In IEEE CONFERENCE ON BUSINESS INFORMATICS (CBI 2017), pages 109–118. IEEE Computer Society, 2017.
303. X. Lu, D. Fahland, R. Andrews, S. Suriadi, M.T. Wynn, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Semi-supervised Log Pattern Detection and Exploration Using Event Concurrence and Contextual Information. In ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS (OTM 2017), volume 10573 of LECTURE NOTES IN COMPUTER SCIENCE, pages 154–174. Springer-Verlag, Berlin, 2017.
304. L. Cheng, B.F. van Dongen, and W.M.P. van der Aalst. Efficient Event Correlation over Distributed Systems. In PROCEEDINGS OF THE 17TH IEEE/ACM INTERNATIONAL SYMPOSIUM ON CLUSTER, CLOUD AND GRID COMPUTING (CCGRID 2017), pages 1–10. IEEE Computer Society / ACM, 2017.
305. W.M.P. van der Aalst, A. Artale, M. Montali, and S. Tritini. Object-Centric Behavioral Constraints: Integrating Data and Declarative Process Modelling. In PROCEEDINGS OF THE 30TH INTERNATIONAL WORKSHOP ON DESCRIPTION LOGICS (DL 2017), volume 1879 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2017.
306. M. Fani Sani, W.M.P. van der Aalst, A. Bolt, and J. Garcia-Algarra. Subgroup Discovery in Process Mining. In W. Abramowicz, editor, BUSINESS INFORMATION SYSTEMS (BIS 2017), volume 288 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 237–252. Springer-Verlag, Berlin, 2017.
307. A. Syamsiyah, A. Bolt, L. Cheng, B. Hompes, J.C. Bose, B.F. van Dongen, and W.M.P. van der Aalst. Business Process Comparison: A Methodology and Case Study. In W. Abramowicz, editor, BUSINESS

INFORMATION SYSTEMS (BIS 2017), volume 288 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 253–267. Springer-Verlag, Berlin, 2017.
308. W.M.P. van der Aalst. Structure Theory in a Dynamic Data-Driven World: Applications in Process Mining and BPM (extended abstract). In S. Haddad, J. Kleijn, J. Desel, and J.M. Colom, editors, PROCEEDINGS OF THE WORKSHOP ON STRUCTURE THEORY OF PETRI NETS (STRUCTURE 2017), pages 45–54. University of Zaragoza, Spain, 2017.
309. F. Mannhardt, M. de Leoni, H.A. Reijers, and W.M.P. van der Aalst. Data-Driven Process Discovery: Revealing Conditional Infrequent Behavior from Event Logs. In E. Dubois and K. Pohl, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2017), volume 10253 of LECTURE NOTES IN COMPUTER SCIENCE, pages 545–560. Springer-Verlag, Berlin, 2017.
310. B.F.A. Hompes, A. Maaradji, M. La Rosa, M. Dumas, J.C.A.M. Buijs, and W.M.P. van der Aalst. Discovering Causal Factors Explaining Business Process Performance Variation. In E. Dubois and K. Pohl, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2017), volume 10253 of LECTURE NOTES IN COMPUTER SCIENCE, pages 177–192. Springer-Verlag, Berlin, 2017.
311. N. Assy, B.F. van Dongen, and W.M.P. van der Aalst. Discovering Hierarchical Consolidated Models from Process Families. In E. Dubois and K. Pohl, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2017), volume 10253 of LECTURE NOTES IN COMPUTER SCIENCE, pages 314–329. Springer-Verlag, Berlin, 2017.
312. A. Bolt, M. de Leoni, W.M.P. van der Aalst, and P. Gorissen. Business Process Reporting Using Process Mining, Analytic Workflows and Process Cubes: A Case Study in Education. In S. Rinderle-Ma and P. Ceravolo, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 244 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 28–53. Springer-Verlag, Berlin, 2017.
313. P. Dixit, J. Buijs, W.M.P. van der Aalst, B. Hompes, and H. Buurman. Using Domain Knowledge to Enhance Process Mining Results. In S. Rinderle-Ma and P. Ceravolo, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 244 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 76–104. Springer-Verlag, Berlin, 2017.
314. B. Hompes, J. Buijs, W.M.P. van der Aalst, P. Dixit, and H. Buurman. Detecting Changes in Processes Using Comparative Trace Clustering. In S. Rinderle-Ma and P. Ceravolo, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 244 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 54–75. Springer-Verlag, Berlin, 2017.
315. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Enabling Process Mining on Sensor Data From Smart Products. In IEEE INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2016), pages 1–12. IEEE Computing Society, 2016.
316. X. Lu, D. Fahland, and W.M.P. van der Aalst. Interactively Exploring Logs and Mining Models with Clustering, Filtering, and Relabeling. In PROCEEDINGS OF THE BPM DEMO TRACK (BPM DEMOS 2016), volume 1789 of CEUR WORKSHOP PROCEEDINGS, pages 44–49. CEUR-WS.org, 2016.
317. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Composite State Machine Miner: Discovering and Exploring Multi-perspective Processes. In PROCEEDINGS OF THE BPM DEMO TRACK (BPM DEMOS 2016), volume 1789 of CEUR WORKSHOP PROCEEDINGS, pages 73–77. CEUR-WS.org, 2016.
318. E. González López de Murillas, H.A. Reijers, and W.M.P. van der Aalst. Everything You Always Wanted to Know About Your Process, but Did Not Know How to Ask. In M. Dumas and M. Fantinato, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, volume 281 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 296–309. Springer-Verlag, Berlin, 2016.
319. N. Tax, N. Sidoriva, R. Haaksma, and W.M.P. van der Aalst. Log-based Evaluation of Label Splits for Process Models. In R. Howlett, L. Jain, B. Gabrys, C. Toro, and C.P. Lim, editors, KNOWLEDGE-BASED AND INTELLIGENT INFORMATION & ENGINEERING SYSTEMS (KES2016), volume 96 of PROCEDIA COMPUTER SCIENCE, pages 63–72. Elsevier, 2016.
320. A.A. Kalenkova, W.M.P. van der Aalst, I.A. Lomazova, and V.A. Rubin. Process Mining Using BPMN: Relating Event Logs and Process Models. In PROCEEDINGS OF THE ACM/IEEE INTERNATIONAL CONFERENCE ON MODEL DRIVEN ENGINEERING LANGUAGES AND SYSTEMS (MODELS 2016), page 123. ACM Press, New York, NY, USA, 2016.

321. X. Lu, D. Fahland, F. van den Biggelaar, and W.M.P. van der Aalst. Handling Duplicated Tasks in Process Discovery by Refining Event Labels. In M. La Rosa, P. Loos, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2016), volume 9850 of LECTURE NOTES IN COMPUTER SCIENCE, pages 90–107. Springer-Verlag, Berlin, 2016.
322. F. Mannhardt, M. de Leoni, H.A. Reijers, W.M.P. van der Aalst, and P.J. Toussaint. From Low-Level Events to Activities: A Pattern-Based Approach. In M. La Rosa, P. Loos, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2016), volume 9850 of LECTURE NOTES IN COMPUTER SCIENCE, pages 125–141. Springer-Verlag, Berlin, 2016.
323. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Discovering and Exploring State-Based Models for Multi-perspective Processes. In M. La Rosa, P. Loos, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2016), volume 9850 of LECTURE NOTES IN COMPUTER SCIENCE, pages 142–157. Springer-Verlag, Berlin, 2016.
324. H.M.W. Verbeek and W.M.P. van der Aalst. Merging Alignments for Decomposed Replay. In F. Kordon and D. Moldt, editors, APPLICATIONS AND THEORY OF PETRI NETS 2016, volume 9698 of LECTURE NOTES IN COMPUTER SCIENCE, pages 219–239. Springer-Verlag, Berlin, 2016.
325. W.M.P. van der Aalst. Process Mining: Spreadsheet-like Technology for Processes. In V. Nissen, D. Stelzer, S. Strassburger, and D. Fischer, editors, PROCEEDINGS OF THE MULTIKONFERENZ WIRTSCHAFTSINFORMATIK (MKWI 2016), pages 23–26. Technical University of Ilmenau, 2016.
326. E. González López de Murillas, H.A. Reijers, and W.M.P. van der Aalst. Connecting Databases with Process Mining: A Meta Model and Toolset. In R. Schmidt, W. Guedria, I. Bider, and S. Guerreiro, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS 2015), volume 248 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 231–249. Springer-Verlag, Berlin, 2016.
327. F. Mannhardt, M. de Leoni, H.A. Reijers, and W.M.P. van der Aalst. Decision Mining Revisited: Discovering Overlapping Rules. In S. Nurcan, P. Soffer, M. Bajec, and J. Eder, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2016), volume 9694 of LECTURE NOTES IN COMPUTER SCIENCE, pages 377–392. Springer-Verlag, Berlin, 2016.
328. S.J. van Zelst, B.F. van Dongen, and W.M.P. van der Aalst. Online Discovery of Cooperative Structures in Business Processes. In C. Debruyne, H. Panetto, R. Meersman, T. Dillon, E Kuehn, D. O'Sullivan, and C.A. Ardagna, editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS (OTM 2016), volume 10033 of LECTURE NOTES IN COMPUTER SCIENCE, pages 210–228. Springer-Verlag, Berlin, 2016.
329. B. Hompes, J. Buijs, and W.M.P. van der Aalst. A Generic Framework for Context-Aware Process Performance Analysis. In C. Debruyne, H. Panetto, R. Meersman, T. Dillon, E Kuehn, D. O'Sullivan, and C.A. Ardagna, editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS (OTM 2016), volume 10033 of LECTURE NOTES IN COMPUTER SCIENCE, pages 300–317. Springer-Verlag, Berlin, 2016.
330. A. Syamsiyah, B.F. van Dongen, and W.M.P. van der Aalst. DB-XES: Enabling Process Discovery in the Large. In P. Ceravolo, C. Guetl, and S. Rinderle, editors, PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2016), volume 1757 of CEUR WORKSHOP PROCEEDINGS, pages 63–77. CEUR-WS.org, 2016.
331. A. Syamsiyah, B.F. van Dongen, and W.M.P. van der Aalst. Accelerating Process Mining using Relational Databases. In P. Ceravolo, C. Guetl, and S. Rinderle, editors, PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2016), volume 1757 of CEUR WORKSHOP PROCEEDINGS, pages 137–141. CEUR-WS.org, 2016.
332. C. Liu, B.F. van Dongen, N. Assy, and W.M.P. van der Aalst. Component behavior discovery from software execution data. In IEEE SYMPOSIUM SERIES ON COMPUTATIONAL INTELLIGENCE (SSCI 2016), pages 1–8. IEEE Computer Society, 2016.
333. N. Tax, N. Sidorova, W.M.P. van der Aalst, and R. Haakma. Heuristic Approaches For Generating Local Process Models Through Log Projections. In IEEE SYMPOSIUM SERIES ON COMPUTATIONAL INTELLIGENCE (SSCI 2016), pages 1–8. IEEE Computer Society, 2016.
334. A. Bolt, M. de Leoni, and W.M.P. van der Aalst. A Visual Approach to Spot Statistically-Significant Differences in Event Logs Based on Process Metrics. In S. Nurcan, P. Soffer, M. Bajec, and J. Eder, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2016), volume 9694 of LECTURE NOTES IN COMPUTER SCIENCE, pages 151–166. Springer-Verlag, Berlin, 2016.

335. W.M.P. van der Aalst. Green Data Science: Using Big Data in an “Environmentally Friendly” Manner. In O. Camp and J. Cordeiro, editors, PROCEEDINGS OF THE 18TH INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (ICEIS 2016), pages 9–21. Science and Technology Publications, Portugal, 2016.
336. F. Mannhardt, M. de Leoni, H.A. Reijers, and W.M.P. van der Aalst. Measuring the Precision of Multi-perspective Process Models. In M. Reichert and H.A. Reijers, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2015), volume 256 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 113–125. Springer-Verlag, Berlin, 2016.
337. X. Lu, D. Fahland, and W.M.P. van der Aalst. Detecting Deviating Behaviors Without Models. In M. Reichert and H.A. Reijers, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2015), volume 256 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 126–139. Springer-Verlag, Berlin, 2016.
338. D. Calvanese, M. Montali, A. Syamsiyah, and W.M.P. van der Aalst. Ontology-Driven Extraction of Event Logs from Relational Databases. In M. Reichert and H.A. Reijers, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2015), volume 256 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 140–153. Springer-Verlag, Berlin, 2016.
339. A. Senderovich, S.J.J. Leemans, S. Harel, A. Gal, A. Mandelbaum, and W.M.P. van der Aalst. Discovering Queues from Event Logs with Varying Levels of Information. In M. Reichert and H.A. Reijers, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2015), volume 256 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 154–166. Springer-Verlag, Berlin, 2016.
340. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Using Life Cycle Information in Process Discovery. In M. Reichert and H.A. Reijers, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2015), volume 256 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 204–217. Springer-Verlag, Berlin, 2016.
341. C. Diamantini, L. Genga, D. Potena, and W.M.P. van der Aalst. Towards Process Instances Building for Spaghetti Processes. In D. Lembo, R. Torlone, and A. Marrella, editors, ITALIAN SYMPOSIUM ON ADVANCED DATABASE SYSTEMS (SEBD 2015), pages 256–263. Curran Associates, 2015.
342. P. Mukala, J. Buijs, M. Leemans, and W.M.P. van der Aalst. Learning Analytics on Coursera Event Data: A Process Mining Approach. In P. Ceravolo and S. Rinderle-Ma, editors, PROCEEDINGS OF THE 5TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 1527 of CEUR WORKSHOP PROCEEDINGS, pages 18–32. CEUR-WS.org, 2015.
343. A. Bolt, M. de Leoni, W.M.P. van der Aalst, and P. Gorissen. Exploiting Process Cubes, Analytic Workflows and Process Mining for Business Process Reporting: A Case Study in Education. In P. Ceravolo and S. Rinderle-Ma, editors, PROCEEDINGS OF THE 5TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 1527 of CEUR WORKSHOP PROCEEDINGS, pages 33–47. CEUR-WS.org, 2015.
344. P. Dixit, J. Buijs, W.M.P. van der Aalst, B. Hompes, and H. Buurman. Enhancing Process Mining Results using Domain Knowledge. In P. Ceravolo and S. Rinderle-Ma, editors, PROCEEDINGS OF THE 5TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 1527 of CEUR WORKSHOP PROCEEDINGS, pages 79–94. CEUR-WS.org, 2015.
345. B. Hompes, J. Buijs, W.M.P. van der Aalst, P. Dixit, and H. Buurman. Detecting Changes in Processes Using Comparative Trace Clustering. In P. Ceravolo and S. Rinderle-Ma, editors, PROCEEDINGS OF THE 5TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2015), volume 1527 of CEUR WORKSHOP PROCEEDINGS, pages 95–108. CEUR-WS.org, 2015.
346. M. Leemans and W.M.P. van der Aalst. Discovery of Frequent Episodes in Event Logs. In P. Ceravolo, B. Russo, and R. Accorsi, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2014), volume 237 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–31. Springer-Verlag, Berlin, 2015.

347. B. Hompes, E. Verbeek, and W.M.P. van der Aalst. Finding Suitable Activity Clusters for Decomposed Process Discovery. In P. Ceravolo, B. Russo, and R. Accorsi, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2014), volume 237 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 32–57. Springer-Verlag, Berlin, 2015.
348. S.J. van Zelst, B.F. van Dongen, and W.M.P. van der Aalst. Avoiding Over-Fitting in ILP-Based Process Discovery. In H.R. Motahari-Nezhad, J. Recker, and M. Weidlich, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2015), volume 9253 of LECTURE NOTES IN COMPUTER SCIENCE, pages 163–171. Springer-Verlag, Berlin, 2015.
349. M. Leemans and W.M.P. van der Aalst. Process Mining in Software Systems: Discovering Real-life Business Transactions and Process Models from Distributed Systems. In T. Lethbridge, J. Cabot, and A. Egyed, editors, INTERNATIONAL CONFERENCE ON MODEL DRIVEN ENGINEERING LANGUAGES AND SYSTEMS (MODELS 2015), pages 44–53. IEEE Computer Society, 2015.
350. W.M.P. van der Aalst. Big Software on the Run: In Vivo Software Analytics Based on Process Mining. In PROCEEDINGS OF THE 2015 INTERNATIONAL CONFERENCE ON SOFTWARE AND SYSTEM PROCESS (ICSSP 2015), pages 1–5. ACM Press, New York, NY, USA, 2015.
351. M.L. van Eck, N. Sidorova, and W.M.P. van der Aalst. KPI-based Activity Planning for People Working in Flexible Processes. In J. Grabis and K. Sandkuhl, editors, PROCEEDINGS OF THE CAISE FORUM 2015, volume 1367 of CEUR WORKSHOP PROCEEDINGS, pages 97–104. CEUR-WS.org, 2015.
352. D.M.M. Schunselaar, H.M.W. Verbeek, H.A. Reijers, and W.M.P. van der Aalst. A Structural Model Comparison for Finding the Best Performing Model in a Collection. In H.R. Motahari-Nezhad, J. Recker, and M. Weidlich, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2015), volume 9253 of LECTURE NOTES IN COMPUTER SCIENCE, pages 180–188. Springer-Verlag, Berlin, 2015.
353. E. González López de Murillas, W.M.P. van der Aalst, and H.A. Reijers. Process Mining on Databases: Unearthing Historical Data from Redo Logs. In H.R. Motahari-Nezhad, J. Recker, and M. Weidlich, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2015), volume 9253 of LECTURE NOTES IN COMPUTER SCIENCE, pages 367–385. Springer-Verlag, Berlin, 2015.
354. H. Berthold, J. Cardoso, P. Cunha, R. Mans, S. Quaglini, and W.M.P. van der Aalst. A Framework For Next Generation E-Health Systems and Services. In P. Pavlou and C. Saunders, editors, PROCEEDINGS OF THE TWENTY-FIRST AMERICAS CONFERENCE ON INFORMATION SYSTEMS (AMCIS 2015), pages 1–11. Association for Information Systems, 2015.
355. S.J. van Zelst, B.F. van Dongen, and W.M.P. van der Aalst. ILP-Based Process Discovery Using Hybrid Regions. In PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2015), volume 1371 of CEUR WORKSHOP PROCEEDINGS, pages 47–61. CEUR-WS.org, 2015.
356. S. Hernandez, J. Ezpeleta, S.J. van Zelst, and W.M.P. van der Aalst. Assessing Process Discovery Scalability in Data Intensive Environments. In I. Raicu, O.F. Rana, and R. Buyya, editors, INTERNATIONAL SYMPOSIUM ON BIG DATA COMPUTING (BDC 2015), volume 1418, pages 99–104. IEEE Computer Society, 2015.
357. S. Ivanov, A. Kalenkova, and W.M.P. van der Aalst. BPMNDiffViz: A Tool for BPMN Models Comparison. In PROCEEDINGS OF THE BPM2015 DEMO SESSION, volume 1418 of CEUR WORKSHOP PROCEEDINGS, pages 35–39. CEUR-WS.org, 2015.
358. S. Hernandez, S.J. van Zelst, J. Ezpeleta, and W.M.P. van der Aalst. Handling Big(ger) Logs: Connecting ProM 6 to Apache Hadoop. In PROCEEDINGS OF THE BPM2015 DEMO SESSION, volume 1418 of CEUR WORKSHOP PROCEEDINGS, pages 80–84. CEUR-WS.org, 2015.
359. S.J. van Zelst, B.F. van Dongen, and W.M.P. van der Aalst. Know What You Stream: Generating Event Streams from CPN Models in ProM 6. In PROCEEDINGS OF THE BPM2015 DEMO SESSION, volume 1418 of CEUR WORKSHOP PROCEEDINGS, pages 85–89. CEUR-WS.org, 2015.
360. M.L. van Eck, X. Lu, S.J.J. Leemans, and W.M.P. van der Aalst. PM^2: A Process Mining Project Methodology. In J. Zdravkovic, M. Kirikova, and P. Johannesson, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2015), volume 9097 of LECTURE NOTES IN COMPUTER SCIENCE, pages 297–313. Springer-Verlag, Berlin, 2015.

361. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Scalable Process Discovery with Guarantees. In K. Gaaloul, R. Schmidt, S. Nurcan, S. Guerreiro, and Q. Ma, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS 2015), volume 214 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 85–101. Springer-Verlag, Berlin, 2015.
362. A. Bolt and W.M.P. van der Aalst. Multidimensional Process Mining Using Process Cubes. In K. Gaaloul, R. Schmidt, S. Nurcan, S. Guerreiro, and Q. Ma, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING (BPMDS 2015), volume 214 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 102–116. Springer-Verlag, Berlin, 2015.
363. J. Martjushev, R.P. Jagadeesh Chandra Bose, and W.M.P. van der Aalst. Change Point Detection and Dealing with Gradual and Multi-Order Dynamics in Process Mining. In R. Matulevicius and M. Dumas, editors, 14TH INTERNATIONAL CONFERENCE ON PERSPECTIVES IN BUSINESS INFORMATICS RESEARCH (BIR 2015), volume 229 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 161–178. Springer-Verlag, Berlin, 2015.
364. W.M.P. van der Aalst, W.Z. Low, M.T. Wynn, and A.H.M. ter Hofstede. Change Your History: Learning from Event Logs to Improve Processes. In G. Fortino, W. Shen, J.P. Barthes, J. Lou, W. Li, S. Ochoa, M.H. Abel, A. Guerrieri, and M. Ramos, editors, PROCEEDINGS OF THE 19TH IEEE INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED COOPERATIVE WORK IN DESIGN (CSCWD 2015), pages 7–12. IEEE Computer Society Press, 2015.
365. W.M.P. van der Aalst, A. Kalenkova, V. Rubin, and E. Verbeek. Process Discovery Using Localized Events. In R. Devillers and A. Valmari, editors, APPLICATIONS AND THEORY OF PETRI NETS 2015, volume 9115 of LECTURE NOTES IN COMPUTER SCIENCE, pages 287–308. Springer-Verlag, Berlin, 2015.
366. W.M.P. van der Aalst, S. Guo, and P. Gorissen. Comparative Process Mining in Education: An Approach Based on Process Cubes. In P. Ceravolo, R. Accorsi, and P. Cudre-Mauroux, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2013), volume 203 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 110–135. Springer-Verlag, Berlin, 2015.
367. W.M.P. van der Aalst. Extracting Event Data from Databases to Unleash Process Mining. In J. vom Brocke and T. Schmiedel, editors, BPM: DRIVING INNOVATION IN A DIGITAL WORLD, pages 105–128. Springer-Verlag, Berlin, 2015.
368. X. Lu, D. Fahland, and W.M.P. van der Aalst. Conformance Checking Based on Partially Ordered Event Data. In F. Fournier and J. Mendling, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2014), volume 202 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 75–88. Springer-Verlag, Berlin, 2015.
369. D. Schunselaar, H. Leopold, H.M.W. Verbeek, W.M.P. van der Aalst, and H.A. Reijers. Configuring Configurable Process Models Made Easier: An Automated Approach. In F. Fournier and J. Mendling, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON PROCESS MODEL COLLECTIONS: MANAGEMENT AND REUSE (PMC-MR), volume 202 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 105–117. Springer-Verlag, Berlin, 2015.
370. H.M.W. Verbeek and W.M.P. van der Aalst. Decomposed Process Mining: The ILP Case. In F. Fournier and J. Mendling, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2014), volume 202 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 264–276. Springer-Verlag, Berlin, 2015.
371. S. Leemans, D. Fahland, and W.M.P. van der Aalst. Exploring Processes and Deviations. In F. Fournier and J. Mendling, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2014), volume 202 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 304–316. Springer-Verlag, Berlin, 2015.
372. D. Schunselaar, H.M.W. Verbeek, H.A. Reijers, and W.M.P. van der Aalst. YAWL in the Cloud: Supporting Process Sharing and Variability. In F. Fournier and J. Mendling, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS MANAGEMENT IN THE CLOUD (BPMC 2014), volume 202 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 367–379. Springer-Verlag, Berlin, 2015.
373. M. de Leoni, W.M.P. van der Aalst, and M. Dees. A General Framework for Correlating Business Process Characteristics. In S. Sadiq, P. Soffer, and H. Voelzer, editors, INTERNATIONAL CONFERENCE ON

BUSINESS PROCESS MANAGEMENT (BPM 2014), volume 8659 of LECTURE NOTES IN COMPUTER SCIENCE, pages 250–266. Springer-Verlag, Berlin, 2014.
374. A. Rozinat and W.M.P. van der Aalst. Process Mining: The Objectification of Gut Instinct – Making Business Processes More Transparent Through Data Analysis. SPECIAL ISSUE OF NOVATICA ON PROCESS MINING, pages 6–10, 2014.
375. E. Ramezani Taghiabadi, Vladimir Gromov, Dirk Fahland, and W.M.P. van der Aalst. Compliance Checking of Data-Aware and Resource-Aware Compliance Requirements. In M. Missikoff, L. Liu, and O. Pastor, editors, OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2014), volume 8841 of LECTURE NOTES IN COMPUTER SCIENCE, pages 237–257. Springer-Verlag, Berlin, 2014.
376. X. Lu, R.S. Mans, D. Fahland, and W.M.P. van der Aalst. Conformance Checking in Healthcare Based on Partially Ordered Event Data. In A. Grau and R. Zurawski, editors, IEEE EMERGING TECHNOLOGY AND FACTORY AUTOMATION (ETFA 2014), pages 1–8. IEEE Computer Society, 2014.
377. M. de Leoni, J. Munoz-Gama, J. Carmona, and W.M.P. van der Aalst. Decomposing Alignment-Based Conformance Checking of Data-Aware Process Models. In M. Missikoff, L. Liu, and O. Pastor, editors, OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2014), volume 8841 of LECTURE NOTES IN COMPUTER SCIENCE, pages 3–20. Springer-Verlag, Berlin, 2014.
378. W.M.P. van der Aalst. Process Mining as the Superglue Between Data Science and Enterprise Computing. In M. Reichert, Stefanie Rinderle-Ma, and G. Grossmann, editors, IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC 2014), pages 1–1. IEEE Computer Society, 2014.
379. W.Z. Low, J. De Weerdt, M.T. Wynn, A.H.M. ter Hofstede, W.M.P. van der Aalst, and S.K.L.M. vanden Broucke. Perturbing Event Logs to Identify Cost Reduction Opportunities: A Genetic Algorithm-Based Approach. In IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC 2014), pages 2428–2435. IEEE Computer Society, 2014.
380. A. Burattin, A. Sperduti, and W.M.P. van der Aalst. Control-Flow Discovery from Event Streams. In IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC 2014), pages 2420–2427. IEEE Computer Society, 2014.
381. W.M.P. van der Aalst. No Knowledge Without Processes: Process Mining as a Tool to Find Out What People and Organizations Really Do. In A. Fred, J. Filipe, J. Filipe, J. Dietz, D. Aveiro, and K. Liu, editors, PROCEEDINGS OF THE INTERNATIONAL JOINT CONFERENCE ON KNOWLEDGE DISCOVERY, KNOWLEDGE ENGINEERING AND KNOWLEDGE MANAGEMENT (IC3K 2014), pages 11–16, Rome, October 2014. Scitepress.
382. W.M.P. van der Aalst, M. La Rosa, A.H.M. ter Hofstede, and M.T. Wynn. Liquid Business Process Model Collections. In D. Gianni, A. D'Ambrogio, and A. Tolk, editors, MODELING AND SIMULATION-BASED SYSTEMS ENGINEERING HANDBOOK, pages 401–421. CRC Press, 2014.
383. M. de Leoni and W.M.P. van der Aalst. The FeaturePrediction Package in ProM: Correlating Business Process Characteristics. In L. Limonad and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMO SESSIONS (BPMD 2014), volume 1295 of CEUR WORKSHOP PROCEEDINGS, pages 26–30. CEUR-WS.org, 2014.
384. A. Kalenkova, M. de Leoni, and W.M.P. van der Aalst. Discovering, Analyzing and Enhancing BPMN Models Using ProM. In L. Limonad and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMO SESSIONS (BPMD 2014), volume 1295 of CEUR WORKSHOP PROCEEDINGS, pages 36–40. CEUR-WS.org, 2014.
385. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Process and Deviation Exploration with Inductive Visual Miner. In L. Limonad and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMO SESSIONS (BPMD 2014), volume 1295 of CEUR WORKSHOP PROCEEDINGS, pages 46–50. CEUR-WS.org, 2014.
386. R. Mans, W.M.P. van der Aalst, and E. Verbeek. Supporting Process Mining Workflows with RapidProM. In L. Limonad and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMO SESSIONS (BPMD 2014), volume 1295 of CEUR WORKSHOP PROCEEDINGS, pages 56–60. CEUR-WS.org, 2014.
387. B. Hompes, E. Verbeek, and W.M.P. van der Aalst. Finding Suitable Activity Clusters for Decomposed Process Discovery. In R. Accorsi, P. Ceravolo, and B. Russo, editors, PROCEEDINGS OF THE 4TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2014), volume 1293 of CEUR WORKSHOP PROCEEDINGS, pages 16–30. CEUR-WS.org, 2014.

388. M. Leemans and W.M.P. van der Aalst. Discovery of Frequent Episodes in Event Logs. In R. Accorsi, P. Ceravolo, and B. Russo, editors, PROCEEDINGS OF THE 4TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2014), volume 1293 of CEUR WORKSHOP PROCEEDINGS, pages 31–45. CEUR-WS.org, 2014.
389. D. Schunselaar, E. Verbeek, H.A. Reijers, and W.M.P. van der Aalst. Using Monotonicity to Find Optimal Process Configurations Faster. In R. Accorsi, P. Ceravolo, and B. Russo, editors, PROCEEDINGS OF THE 4TH INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2014), volume 1293 of CEUR WORKSHOP PROCEEDINGS, pages 123–137. CEUR-WS.org, 2014.
390. W.M.P. van der Aalst. How People Really (Like To) Work: Comparative Process Mining To Unravel Human Behavior. In S. Sauer, C. Bogdan, P. Forbrig, R. Bernhaupt, and M. Winckler, editors, INTERNATIONAL CONFERENCE ON HUMAN-CENTERED SOFTWARE ENGINEERING (HCSE 2014), volume 8742 of LECTURE NOTES IN COMPUTER SCIENCE, pages 317–321. Springer-Verlag, Berlin, 2014.
391. V. Rubin, A. Mitsyuk, I. Lomazova, and W.M.P. van der Aalst. Process Mining Can Be Applied to Software Too! In M. Morisio, editor, PROCEEDINGS OF THE 8TH ACM/IEEE INTERNATIONAL SYMPOSIUM ON EMPIRICAL SOFTWARE ENGINEERING AND MEASUREMENT (ESEM '14), pages 57:1–57:8, New York, NY, USA, 2014. ACM.
392. V. Rubin, I.A. Lomazova, and W.M.P. van der Aalst. Agile Development with Software Process Mining. In PROCEEDINGS OF THE 2014 INTERNATIONAL CONFERENCE ON SOFTWARE AND SYSTEM PROCESS (ICSSP 2014), pages 70–74. ACM Press, New York, NY, USA, 2014.
393. D. Schunselaar, E. Verbeek, W.M.P. van der Aalst, and H. Reijers. Petra: A tool for Analysing a Process Family. In D. Moldt and H. Roelke, editors, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PETRI NETS IN SOFTWARE ENGINEERING (PNSE 2014), volume 1160 of CEUR WORKSHOP PROCEEDINGS, pages 269–288. CEUR-WS.org, 2014.
394. E. Ramezani, D. Fahland, and W.M.P. van der Aalst. Supporting Domain Experts to Select and Configure Precise Compliance Rules. In N. Lohmann, M. Song, and P. Wohed, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, WORKSHOP ON SECURITY IN BUSINESS PROCESSES (SBP 2013), volume 171 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 498–512. Springer-Verlag, Berlin, 2014.
395. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Discovering Block-Structured Process Models from Event Logs Containing Infrequent Behaviour. In N. Lohmann, M. Song, and P. Wohed, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2013), volume 171 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 66–78. Springer-Verlag, Berlin, 2014.
396. A. Rogge-Solti, W.M.P. van der Aalst, and M. Weske. Discovering Stochastic Petri Nets with Arbitrary Delay Distributions from Event Logs. In N. Lohmann, M. Song, and P. Wohed, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2013), volume 171 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 15–27. Springer-Verlag, Berlin, 2014.
397. J.C.A.M. Buijs, B.F. van Dongen, and W.M.P. van der Aalst. Discovering and Navigating a Collection of Process Models Using Multiple Quality Dimensions. In N. Lohmann, M. Song, and P. Wohed, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2013), volume 171 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 3–14. Springer-Verlag, Berlin, 2014.
398. W.M.P. van der Aalst. Process Mining in the Large: A Tutorial. In E. Zimanyi, editor, BUSINESS INTELLIGENCE (EBISS 2013), volume 172 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 33–76. Springer-Verlag, Berlin, 2014.
399. A. Pika, M.T. Wynn, C.J. Fidge, A.H.M. ter Hofstede, M. Leyer, and W.M.P. van der Aalst. An Extensible Framework for Analysing Resource Behaviour Using Event Logs. In M. Jarke, editor, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2014), volume 8484 of LECTURE NOTES IN COMPUTER SCIENCE, pages 564–579. Springer-Verlag, Berlin, 2014.
400. W.M.P. van der Aalst, S. Guo, and P. Gorissen. Comparative Process Mining in Education: An Approach Based on Process Cubes. In J.J. Lesage, J.M. Faure, J. Cury, and B. Lennartson, editors, 12TH IFAC

INTERNATIONAL WORKSHOP ON DISCRETE EVENT SYSTEMS (WODES 2014), IFAC Series, pages PL1.1–PL1.9. IEEE Computer Society, 2014.
401. A.A. Kalenkova, I.A. Lomazova, and W.M.P. van der Aalst. Process Model Discovery: A Method Based on Transition System Decomposition. In G. Ciardo and E. Kindler, editors, APPLICATIONS AND THEORY OF PETRI NETS 2014, volume 8489 of LECTURE NOTES IN COMPUTER SCIENCE, pages 71–90. Springer-Verlag, Berlin, 2014.
402. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Discovering Block-structured Process Models from Incomplete Event Logs. In G. Ciardo and E. Kindler, editors, APPLICATIONS AND THEORY OF PETRI NETS 2014, volume 8489 of LECTURE NOTES IN COMPUTER SCIENCE, pages 91–110. Springer-Verlag, Berlin, 2014.
403. W.M.P. van der Aalst. Data Scientist: The Engineer of the Future. In K. Mertins, F. Benaben, R. Poler, and J. Bourrieres, editors, PROCEEDINGS OF THE I-ESA CONFERENCE, volume 7 of ENTERPRISE INTEROPERABILITY, pages 13–28. Springer-Verlag, Berlin, 2014.
404. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Discovering Signature Patterns from Event Logs. In B. Hammer, Z.H. Zhou, L. Wang, and N. Chawla, editors, IEEE SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND DATA MINING (CIDM 2013), pages 111–118, Singapore, 2013. IEEE.
405. M. Wynn, J. De Weerdt, A. ter Hofstede, W.M.P. van der Aalst, H. Reijers, M. Adams, C. Ouyang, M. Rosemann, and W.Z. Low. Cost-Aware Business Process Management: A Research Agenda. In H. Deng and C. Standing, editors, PROCEEDINGS OF THE 24TH AUSTRALASIAN CONFERENCE ON INFORMATION SYSTEMS (ACIS'2013), pages 1–10, Melbourne, Australia, December 2013. Australasian Chapter of the Association for Information Systems.
406. R.P. Jagadeesh Chandra Bose, R. Mans, and W.M.P. van der Aalst. Wanna Improve Process Mining Results? It's High Time We Consider Data Quality Issues Seriously. In B. Hammer, Z.H. Zhou, L. Wang, and N. Chawla, editors, IEEE SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND DATA MINING (CIDM 2013), pages 127–134, Singapore, 2013. IEEE.
407. R. Müller, C. Stahl, W.M.P. van der Aalst, and M. Westergaard. Service Discovery from Observed Behavior while Guaranteeing Deadlock Freedom in Collaborations. In S. Basu, C. Pautasso, L. Zhang, and X. Fu, editors, INTERNATIONAL CONFERENCE ON SERVICE-ORIENTED COMPUTING (ICSOC 2013), volume 8274 of LECTURE NOTES IN COMPUTER SCIENCE, pages 358–373. Springer-Verlag, Berlin, 2013.
408. L.T. Ly, F.M. Maggi, M. Montali, S. Rinderle-Ma, and W.M.P. van der Aalst. A Framework for the Systematic Comparison and Evaluation of Compliance Monitoring Approaches. In D. Gasevi, M. Hatala, H.R. Motahari-Nezhad, and M. Reichert, editors, IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC 2013), pages 7–16. IEEE Computer Society, 2013.
409. M.T. Wynn, H.A. Reijers, M. Adams, C. Ouyang, A.H.M. ter Hofstede, W.M.P. van der Aalst, M. Rosemann, and Z. Hoque. Cost-Informed Operational Process Support. In W. Ng, V., Storey, and J. Trujillo, editors, INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2013), volume 8217 of LECTURE NOTES IN COMPUTER SCIENCE, pages 174–181. Springer-Verlag, Berlin, 2013.
410. J. Buijs, M. La Rosa, H.A. Reijers, B.F. van Dongen, and W.M.P. van der Aalst. Improving Business Process Models Using Observed Behavior. In P. Cudre-Mauroux, P. Ceravolo, and D. Gasevic, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2012), volume 162 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 44–59. Springer-Verlag, Berlin, 2013.
411. W.M.P. van der Aalst, M. Westergaard, and H.A. Reijers. Beautiful Workflows: A Matter of Taste? In P. Achten and P. Koopman, editors, THE BEAUTY OF FUNCTIONAL CODE, volume 8106 of LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, pages 211–233. Springer-Verlag, Berlin, 2013.
412. A. Rogge-Solti, R.S. Mans, W.M.P. van der Aalst, and M. Weske. Repairing Event Logs Using Timed Process Models. In Y.T. Demey and H. Panetto, editors, OTM 2013 WORKSHOPS, volume 8186 of LECTURE NOTES IN COMPUTER SCIENCE, pages 705–708. Springer-Verlag, Berlin, 2013.
413. W.M.P. van der Aalst. Process Cubes: Slicing, Dicing, Rolling Up and Drilling Down Event Data for Process Mining. In M. Song, M. Wynn, and J. Liu, editors, ASIA PACIFIC CONFERENCE ON BUSINESS PROCESS MANAGEMENT (AP-BPM 2013), volume 159 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–22. Springer-Verlag, Berlin, 2013.

414. A. Rogge-Solti, R.S. Mans, and W.M.P. van der Aalst. Improving Documentation by Repairing Event Logs. In J. Grabis, editor, THE PRACTICE OF ENTERPRISE MODELING (POEM 2013), volume 165 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 129–144. Springer-Verlag, Berlin, 2013.
415. W.M.P. van der Aalst. "Mine your own business": Using Process Mining to Turn Big Data into Real Value. In S. Brinkkemper, R. Batenburg, and J. van Hillegersberg, editors, PROCEEDINGS OF THE 21ST EUROPEAN CONFERENCE ON INFORMATION SYSTEMS (ECIS 2013), pages 1–9, Utrecht, The Netherlands, 2013. AIS Electronic Library.
416. W.M.P. van der Aalst. Desire Lines in Big Data. In R. Alhajj and J. Rokne, editors, ENCYCLOPEDIA OF SOCIAL NETWORK ANALYSIS AND MINING, pages 351–364. Springer-Verlag, Berlin, 2014.
417. W.M.P. van der Aalst. A General Divide and Conquer Approach for Process Mining. In M. Ganzha, L. Maciaszek, and M. Paprzycki, editors, FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS 2013), pages 1–10. IEEE Computer Society, 2013.
418. M. De Leoni and W.M.P. van der Aalst. Data-Aware Process Mining: Discovering Decisions in Processes Using Alignments. In S.Y. Shin and J.C. Maldonado, editors, ACM SYMPOSIUM ON APPLIED COMPUTING (SAC 2013), pages 1454–1461. ACM Press, 2013.
419. R. Conforti, M. La Rosa A.H.M. ter Hofstede, G. Fortino, M. de Leoni, W.M.P. van der Aalst, and M. Adams. A Software Framework for Risk-Aware Business Process Management. In R. Deneckere and H.A. Proper, editors, PROCEEDINGS OF THE CAISE 2013 FORUM AT THE 25TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING, volume 998 of CEUR WORKSHOP PROCEEDINGS, pages 130–137. CEUR-WS.org, 2013.
420. F.M. Maggi, R.P. Jagadeesh Chandra Bose, and W.M.P. van der Aalst. A Knowledge-Based Integrated Approach for Discovering and Repairing Declare Maps. In C. Salinesi, M.C. Norrie, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2013), volume 7908 of LECTURE NOTES IN COMPUTER SCIENCE, pages 433–448. Springer-Verlag, Berlin, 2013.
421. R. Conforti, M. de Leoni, M. La Rosa, and W.M.P. van der Aalst. Supporting Risk-Informed Decisions during Business Process Execution. In C. Salinesi, M.C. Norrie, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2013), volume 7908 of LECTURE NOTES IN COMPUTER SCIENCE, pages 116–132. Springer-Verlag, Berlin, 2013.
422. E. Ramezani Taghiabadi, D. Fahland, B.F. van Dongen, and W.M.P. van der Aalst. Diagnostic Information for Compliance Checking of Temporal Compliance Requirements. In C. Salinesi, M.C. Norrie, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2013), volume 7908 of LECTURE NOTES IN COMPUTER SCIENCE, pages 304–320. Springer-Verlag, Berlin, 2013.
423. A. Pika, W.M.P. van der Aalst, C.J. Fidge, A.H.M. ter Hofstede, and M.T. Wynn. Profiling Event Logs to Configure Risk Indicators for Process Delays. In C. Salinesi, M.C. Norrie, and O. Pastor, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2013), volume 7908 of LECTURE NOTES IN COMPUTER SCIENCE, pages 465–481. Springer-Verlag, Berlin, 2013.
424. W.M.P. van der Aalst and M. Weske. The P2P Approach to Interorganizational Workflows. In J. Bubenko, J. Krogstie, O. Pastor, B. Pernici, C. Rolland, and A. Solvberg, editors, SEMINAL CONTRIBUTIONS TO INFORMATION SYSTEMS ENGINEERING: 25 YEARS OF CAISE, pages 289–305. Springer-Verlag, Berlin, 2013.
425. W.M.P. van der Aalst and M. Weske. Reflections on a Decade of Interorganizational Workflow Research. In J. Bubenko, J. Krogstie, O. Pastor, B. Pernici, C. Rolland, and A. Solvberg, editors, SEMINAL CONTRIBUTIONS TO INFORMATION SYSTEMS ENGINEERING: 25 YEARS OF CAISE, pages 307–313. Springer-Verlag, Berlin, 2013.
426. R. Mans and W.M.P. van der Aalst. Supporting the Workflow Management System Development Process with YAWL. In T. Freytag, A. Hense, A. ter Hofstede, and J. Mendling, editors, PROCEEDINGS OF THE FIRST YAWL SYMPOSIUM (YAWL 2013), volume 982 of CEUR WORKSHOP PROCEEDINGS, pages 33–40. CEUR-WS.org, 2013.
427. D. Schunselaar, T. van der Avoort, E. Verbeek, and W.M.P. van der Aalst. YAWL in the Cloud. In T. Freytag, A. Hense, A. ter Hofstede, and J. Mendling, editors, PROCEEDINGS OF THE FIRST YAWL SYMPOSIUM (YAWL 2013), volume 982 of CEUR WORKSHOP PROCEEDINGS, pages 41–48. CEUR-WS.org, 2013.

428. D. Schunselaar, E. Verbeek, W.M.P. van der Aalst, and H. Reijers. A Framework for Efficiently Deciding Language Inclusion for Sound Unlabelled WF-Nets. In D. Moldt and H. Roelke, editors, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PETRI NETS IN SOFTWARE ENGINEERING (PNSE 2013), volume 989 of CEUR WORKSHOP PROCEEDINGS, pages 135–154. CEUR-WS.org, 2013.
429. E. Verbeek and W.M.P. van der Aalst. Decomposing Replay Problems: A Case Study. In D. Moldt and H. Roelke, editors, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PETRI NETS IN SOFTWARE ENGINEERING (PNSE 2013), volume 989 of CEUR WORKSHOP PROCEEDINGS, pages 219–235. CEUR-WS.org, 2013.
430. J.M. van der Werf, R. Mans, and W.M.P. van der Aalst. Mining Declarative Models Using Time Intervals. In D. Moldt, editor, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON MODELING AND BUSINESS ENVIRONMENTS (MODBE 2013), volume 989 of CEUR WORKSHOP PROCEEDINGS, pages 313–331. CEUR-WS.org, 2013.
431. W.M.P. van der Aalst. Mediating Between Modeled and Observed Behavior: The Quest for the "Right" Process. In IEEE INTERNATIONAL CONFERENCE ON RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS 2013), pages 31–43. IEEE Computing Society, 2013.
432. R.P. Jagadeesh Chandra, F.M. Maggi, and W.M.P. van der Aalst. Enhancing Declare Maps Based on Event Correlations. In F. Daniel, J. Wang, and B. Weber, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2013), volume 8094 of LECTURE NOTES IN COMPUTER SCIENCE, pages 97–112. Springer-Verlag, Berlin, 2013.
433. J. Buijs, B. van Dongen, and W.M.P. van der Aalst. Mining Configurable Process Models from Collections of Event Logs. In F. Daniel, J. Wang, and B. Weber, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2013), volume 8094 of LECTURE NOTES IN COMPUTER SCIENCE, pages 33–48. Springer-Verlag, Berlin, 2013.
434. M. de Leoni and W.M.P. van der Aalst. Aligning Event Logs and Process Models for Multi-Perspective Conformance Checking: An Approach Based on Integer Linear Programming. In F. Daniel, J. Wang, and B. Weber, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2013), volume 8094 of LECTURE NOTES IN COMPUTER SCIENCE, pages 113–129. Springer-Verlag, Berlin, 2013.
435. J. Munoz-Gama, J. Carmona, and W.M.P. van der Aalst. Conformance Checking in the Large: Partitioning and Topology. In F. Daniel, J. Wang, and B. Weber, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2013), volume 8094 of LECTURE NOTES IN COMPUTER SCIENCE, pages 130–145. Springer-Verlag, Berlin, 2013.
436. W.M.P. van der Aalst. Challenges in Service Mining: Record, Check, Discover. In F. Daniel, P. Dolog, and Q. Li, editors, INTERNATIONAL CONFERENCE ON WEB ENGINEERING (ICWE 2013), volume 7977 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–4. Springer-Verlag, Berlin, 2013.
437. S.J.J. Leemans, D. Fahland, and W.M.P. van der Aalst. Discovering Block-structured Process Models from Event Logs: A Constructive Approach. In J.M. Colom and J. Desel, editors, APPLICATIONS AND THEORY OF PETRI NETS 2013, volume 7927 of LECTURE NOTES IN COMPUTER SCIENCE, pages 311–329. Springer-Verlag, Berlin, 2013.
438. J. Munoz-Gama, J. Carmona, and W.M.P. van der Aalst. Hierarchical Conformance Checking of Process Models Based on Event Logs. In J.M. Colom and J. Desel, editors, APPLICATIONS AND THEORY OF PETRI NETS 2013, volume 7927 of LECTURE NOTES IN COMPUTER SCIENCE, pages 291–310. Springer-Verlag, Berlin, 2013.
439. M.A. Grando, M.H. Schonenberg, and W.M.P. van der Aalst. Semantic-Based Conformance Checking of Computer Interpretable Medical Guidelines. In A. Fred, J. Filipe, and H. Gamboa, editors, BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES, volume 273 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE, pages 285–300. Springer-Verlag, Berlin, 2013.
440. F.M. Maggi, A.J. Mooij, and W.M.P. van der Aalst. Analyzing Vessel Behavior Using Process Mining. In P.van de Laar, J. Tretmans, and M. Borth, editors, SITUATION AWARENESS WITH SYSTEMS OF SYSTEMS, pages 133–148. Springer-Verlag, Berlin, 2013.
441. R. Müller, W.M.P. van der Aalst, and C. Stahl. Conformance Checking of Services Using the Best Matching Private View. In M. ter Beek and N. Lohmann, editors, WS-FM 2012, volume 7843 of LECTURE NOTES IN COMPUTER SCIENCE, pages 49–68. Springer-Verlag, Berlin, 2013.

442. W.M.P. van der Aalst, M. de Leoni, and A.H.M. ter Hofstede. Chapter 8: Process Mining and Visual Analytics: Breathing Life into Business Process Models. In A. Floares, editor, COMPUTATIONAL INTELLIGENCE, pages 107–138. Nova Publishers, 2012.
443. A. Adriansyah, J. Munoz-Gama, J. Carmona, B.F. van Dongen, and W.M.P. van der Aalst. Alignment Based Precision Checking. In M. La Rosa and P. Soffer, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2012), volume 132 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 137–149. Springer-Verlag, Berlin, 2013.
444. S. Suriadi, C. Ouyang W.M.P. van der Aalst, and A.H.M. ter Hofstede. Root Cause Analysis with Enriched Process Logs. In M. La Rosa and P. Soffer, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2012), volume 132 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 174–186. Springer-Verlag, Berlin, 2013.
445. H.M.W. Verbeek and W.M.P. van der Aalst. An Experimental Evaluation of Passage-Based Process Discovery. In M. La Rosa and P. Soffer, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2012), volume 132 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 205–210. Springer-Verlag, Berlin, 2013.
446. A. Pika, W.M.P. van der Aalst, C.J. Fidge, A.H.M. ter Hofstede, and M.T. Wynn. Predicting Deadline Transgressions Using Event Logs. In M. La Rosa and P. Soffer, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2012), volume 132 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 211–216. Springer-Verlag, Berlin, 2013.
447. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Process Mining Applied to the BPI Challenge 2012: Divide and Conquer While Discerning Resources. In M. La Rosa and P. Soffer, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2012), volume 132 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 221–222. Springer-Verlag, Berlin, 2013.
448. R.S. Mans, W.M.P. van der Aalst, R. Vanwersch, and A. Moleman. Process Mining in Healthcare: Data Challenges when Answering Frequently Posed Questions. In R. Lenz, S. Miksch, M. Peleg, M. Reichert, D. Riano, and A. ten Teije, editors, PROCESS SUPPORT AND KNOWLEDGE REPRESENTATION IN HEALTH CARE, volume 7738 of LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, pages 140–153. Springer-Verlag, Berlin, 2013.
449. D.M.M. Schunselaar, F.M. Maggi, N. Sidorova, and W.M.P. van der Aalst. Configurable Declare: Designing Customisable Flexible Process Models. In R. Meersman, S. Rinderle, P. Dadam, and X. Zhou, editors, OTM FEDERATED CONFERENCES, 20TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2012), volume 7565 of LECTURE NOTES IN COMPUTER SCIENCE, pages 20–37. Springer-Verlag, Berlin, 2012.
450. J.C.A.M. Buijs, B.F. van Dongen, and W.M.P. van der Aalst. On the Role of Fitness, Precision, Generalization and Simplicity in Process Discovery. In R. Meersman, S. Rinderle, P. Dadam, and X. Zhou, editors, OTM FEDERATED CONFERENCES, 20TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2012), volume 7565 of LECTURE NOTES IN COMPUTER SCIENCE, pages 305–322. Springer-Verlag, Berlin, 2012.
451. W.M.P. van der Aalst, J. Buijs, and B.F. van Dongen. Towards Improving the Representational Bias of Process Mining. In K. Aberer, E. Damiani, and T. Dillon, editors, IFIP INTERNATIONAL SYMPOSIUM ON DATA-DRIVEN PROCESS DISCOVERY AND ANALYSIS (SIMPDA 2011), volume 116 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 39–54. Springer-Verlag, Berlin, 2012.
452. D. Schunselaar, E. Verbeek, W.M.P. van der Aalst, and H. Reijers. Creating Sound and Reversible Configurable Process Models Using CoSeNets. In W. Abramowicz, D. Kriksciuniene, and V. Sakalauskas, editors, BUSINESS INFORMATION SYSTEMS (BIS 2012), volume 117 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 24–35. Springer-Verlag, Berlin, 2012.
453. M. De Leoni, W.M.P. van der Aalst, and B. van Dongen. Data- and Resource-Aware Conformance Checking of Business Processes. In W. Abramowicz, D. Kriksciuniene, and V. Sakalauskas, editors, BUSINESS

INFORMATION SYSTEMS (BIS 2012), volume 117 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 48–59. Springer-Verlag, Berlin, 2012.
454. J. Nakatumba, M. Westergaard, and W.M.P. van der Aalst. Generating Event Logs with Workload-Dependent Speeds from Simulation Models. In M. Bajec and J. Eder, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING WORKSHOPS, volume 112 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 383–397. Springer-Verlag, Berlin, 2012.
455. J.C.A.M. Buijs, B.F. van Dongen, and W.M.P. van der Aalst. A Genetic Algorithm for Discovering Process Trees. In IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC 2012), pages 1–8. IEEE Computer Society, 2012.
456. A. Burattin, F. Maggi, W.M.P. van der Aalst, and A. Sperduti. Techniques for a Posteriori Analysis of Declarative Processes. In C.H. Chi, D. Gasevic, and W.J. van den Heuvel, editors, IEEE INTERNATIONAL ENTERPRISE COMPUTING CONFERENCE (EDOC 2012), pages 41–50. IEEE Computer Society, 2012.
457. W.M.P. van der Aalst. A Decade of Business Process Management Conferences: Personal Reflections on a Developing Discipline. In A. Barros, A. Gal, and E. Kindler, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2012), volume 7481 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–16. Springer-Verlag, Berlin, 2012.
458. J.M.E.M. van der Werf, H.M.W. Verbeek, and W.M.P. van der Aalst. Context-Aware Compliance Checking. In A. Barros, A. Gal, and E. Kindler, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2012), volume 7481 of LECTURE NOTES IN COMPUTER SCIENCE, pages 98–113. Springer-Verlag, Berlin, 2012.
459. D. Fahland and W.M.P. van der Aalst. Repairing Process Models to Reflect Reality. In A. Barros, A. Gal, and E. Kindler, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2012), volume 7481 of LECTURE NOTES IN COMPUTER SCIENCE, pages 229–245. Springer-Verlag, Berlin, 2012.
460. E. Ramezani, D. Fahland, and W.M.P. van der Aalst. Where Did I Misbehave? Diagnostic Information in Compliance Checking. In A. Barros, A. Gal, and E. Kindler, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2012), volume 7481 of LECTURE NOTES IN COMPUTER SCIENCE, pages 262–278. Springer-Verlag, Berlin, 2012.
461. M. de Leoni, F.M. Maggi, and W.M.P. van der Aalst. Aligning Event Logs and Declarative Process Models for Conformance Checking. In A. Barros, A. Gal, and E. Kindler, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2012), volume 7481 of LECTURE NOTES IN COMPUTER SCIENCE, pages 82–97. Springer-Verlag, Berlin, 2012.
462. W.M.P. van der Aalst. Decomposing Process Mining Problems Using Passages. In S. Haddad and L. Pomello, editors, APPLICATIONS AND THEORY OF PETRI NETS 2012, volume 7347 of LECTURE NOTES IN COMPUTER SCIENCE, pages 72–91. Springer-Verlag, Berlin, 2012.
463. J. Nakatumba, M. Westergaard, and W.M.P. van der Aalst. An Infrastructure for Cost-Effective Testing of Operational Support Algorithms Based on Colored Petri Nets. In S. Haddad and L. Pomello, editors, APPLICATIONS AND THEORY OF PETRI NETS 2012, volume 7347 of LECTURE NOTES IN COMPUTER SCIENCE, pages 308–327. Springer-Verlag, Berlin, 2012.
464. R.P. Jagadeesh Chandra Bose, H.M.W. Verbeek, and W.M.P. van der Aalst. Discovering Hierarchical Process Models Using ProM. In S. Nurcan, editor, IS OLYMPICS: INFORMATION SYSTEMS IN A DIVERSE WORLD, volume 107 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 33–48. Springer-Verlag, Berlin, 2012.
465. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. When Process Mining Meets Bioinformatics. In S. Nurcan, editor, IS OLYMPICS: INFORMATION SYSTEMS IN A DIVERSE WORLD, volume 107 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 202–217. Springer-Verlag, Berlin, 2012.
466. F.M. Maggi, R.P. Jagadeesh Chandra Bose, and W.M.P. van der Aalst. Efficient Discovery of Understandable Declarative Process Models from Event Logs. In J. Ralyte, X. Franch, S. Brinkkemper, and S. Wrycza, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2012), volume 7328 of LECTURE NOTES IN COMPUTER SCIENCE, pages 270–285. Springer-Verlag, Berlin, 2012.
467. R. Engel, W.M.P. van der Aalst, M. Zapletal, C. Pichler, and H. Werthner. Mining Inter-Organizational Business Process Models from EDI Messages: A Case Study from the Automotive Sector. In J. Ralyte,

X. Franch, S. Brinkkemper, and S. Wrycza, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2012), volume 7328 of LECTURE NOTES IN COMPUTER SCIENCE, pages 222–237. Springer-Verlag, Berlin, 2012.

468. W.M.P. van der Aalst. Distributed Process Discovery and Conformance Checking. In J. de Lara and A. Zisman, editors, INTERNATIONAL CONFERENCE ON FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING (FASE 2012), volume 7212 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–25. Springer-Verlag, Berlin, 2012.
469. F.M. Maggi, M. Montali, and W.M.P. van der Aalst. An Operational Decision Support Framework for Monitoring Business Constraints. In J. de Lara and A. Zisman, editors, INTERNATIONAL CONFERENCE ON FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING (FASE 2012), volume 7212 of LECTURE NOTES IN COMPUTER SCIENCE, pages 146–162. Springer-Verlag, Berlin, 2012.
470. F.M. Maggi, M. Westergaard, M. Montali, and W.M.P. van der Aalst. Runtime Verification of LTL-Based Declarative Process Models. In S. Khurshid and K. Sen, editors, RUNTIME VERIFICATION (RV 2011), volume 7186 of LECTURE NOTES IN COMPUTER SCIENCE, pages 131–146. Springer-Verlag, Berlin, 2012.
471. D. Fahland, M. De Leoni, B. van Dongen, and W.M.P. van der Aalst. Many-to-Many: Some Observations on Interactions in Artifact Choreographies. In D. Eichhorn, A. Koschmider, and H. Zhang, editors, PROCEEDINGS OF THE 3RD CENTRAL-EUROPEAN WORKSHOP ON SERVICES AND THEIR COMPOSITION (ZEUS 2011), CEUR Workshop Proceedings, pages 9–15. CEUR-WS.org, 2011.
472. IEEE Task Force on Process Mining. Process Mining Manifesto. In F. Daniel, K. Barkaoui, and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, volume 99 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 169–194. Springer-Verlag, Berlin, 2012.
473. J.C.A.M. Buijs, B.F. van Dongen, and W.M.P. van der Aalst. Towards Cross-Organizational Process Mining in Collections of Process Models and their Executions. In F. Daniel, K. Barkaoui, and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON PROCESS MODEL COLLECTIONS (PMC 2011), volume 100 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 2–13. Springer-Verlag, Berlin, 2012.
474. J.J.C.L. Vogelaar, H.M.W. Verbeek, B. Luka, and W.M.P. van der Aalst. Comparing Business Processes to Determine the Feasibility of Configurable Models: A Case Study. In F. Daniel, K. Barkaoui, and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON PROCESS MODEL COLLECTIONS (PMC 2011), volume 100 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 50–61. Springer-Verlag, Berlin, 2012.
475. M.A. Grando, W.M.P. van der Aalst, and R.S. Mans. Reusing a Declarative Specification to Check the Conformance of Different CIGs. In F. Daniel, K. Barkaoui, and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, volume 100 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 188–199. Springer-Verlag, Berlin, 2012.
476. I. Ailenei, A. Rozinat, A. Eckert, and W.M.P. van der Aalst. Definition and Validation of Process Mining Use Cases. In F. Daniel, K. Barkaoui, and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2011), volume 99 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 75–86. Springer-Verlag, Berlin, 2012.
477. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Analysis of Patient Treatment Procedures. In F. Daniel, K. Barkaoui, and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2011), volume 99 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 165–166. Springer-Verlag, Berlin, 2012.
478. D. Fahland, M. de Leoni, B.F. van Dongen, and W.M.P. van der Aalst. Conformance Checking of Interacting Processes with Overlapping Instances. In S. Rinderle, F. Toumani, and K. Wolf, editors, BUSINESS PROCESS MANAGEMENT (BPM 2011), volume 6896 of LECTURE NOTES IN COMPUTER SCIENCE, pages 345–361. Springer-Verlag, Berlin, 2011.
479. D. Fahland and W.M.P. van der Aalst. Simplifying Mined Process Models: An Approach Based on Unfoldings. In S. Rinderle, F. Toumani, and K. Wolf, editors, BUSINESS PROCESS MANAGEMENT (BPM 2011), volume 6896 of LECTURE NOTES IN COMPUTER SCIENCE, pages 362–378. Springer-Verlag, Berlin, 2011.

480. F.M. Maggi, M. Montali, M. Westergaard, and W.M.P. van der Aalst. Monitoring Business Constraints with Linear Temporal Logic: An Approach Based on Colored Automata. In S. Rinderle, F. Toumani, and K. Wolf, editors, BUSINESS PROCESS MANAGEMENT (BPM 2011), volume 6896 of LECTURE NOTES IN COMPUTER SCIENCE, pages 132–147. Springer-Verlag, Berlin, 2011.
481. C. Bratosin, N. Sidorova, and W.M.P. van der Aalst. Distributed Genetic Process Mining Using Sampling. In V. Malyshkin, editor, PARALLEL COMPUTING TECHNOLOGIES (PACT 2011), volume 6873 of LECTURE NOTES IN COMPUTER SCIENCE, pages 224–237. Springer-Verlag, Berlin, 2011.
482. W.M.P. van der Aalst. Business Process Configuration in The Cloud: How to Support and Analyze Multi-Tenant Processes? In G. Zavattaro, U. Schreier, and C. Pautasso, editors, PROCEEDINGS OF THE 9TH IEEE EUROPEAN CONFERENCE ON WEB SERVICES (ECOWS 2011), pages 3–10. IEEE Computer Society Press, 2011.
483. R. Engel, W. Krathu, M. Zapletal, C. Pichler, W.M.P. van der Aalst, and H. Werthner. Process Mining for Electronic Data Interchange. In C. Heumer and T. Setzer, editors, INFORMATION SYSTEMS: MODELING, DEVELOPMENT, AND INTEGRATION, volume 85 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 77–88. Springer-Verlag, Berlin, 2011.
484. W.M.P. van der Aalst. Intra- and Inter-Organizational Process Mining: Discovering Processes within and between Organizations. In P. Johannesson and J. Krogstie, editors, IFIP CONFERENCE ON THE PRACTICE OF ENTERPRISE MODELLING (POEM 2011), volume 92 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–11. Springer-Verlag, Berlin, 2011.
485. D. Fahland, M. De Leoni, B. van Dongen, and W.M.P. van der Aalst. Behavioral Conformance of Artifact-Centric Process Models. In A. Abramowicz, editor, BUSINESS INFORMATION SYSTEMS (BIS 2011), volume 87 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 37–49. Springer-Verlag, Berlin, 2011.
486. W.M.P. van der Aalst. On the Representational Bias in Process Mining (Keynote Paper). In S. Reddy and S. Tata, editors, PROCEEDINGS OF THE 20TH WORKSHOPS ON ENABLING TECHNOLOGIES: INFRASTRUCTURE FOR COLLABORATIVE ENTERPRISES (WETICE 2011), pages 2–7, Paris, 2011. IEEE Computer Society Press.
487. W.M.P. van der Aalst, A. Adriansyah, and B.F. van Dongen. Causal Nets: A Modeling Language Tailored Towards Process Discovery. In J.P. Katoen and B. Koenig, editors, 22ND INTERNATIONAL CONFERENCE ON CONCURRENCY THEORY (CONCUR 2011), Lecture Notes in Computer Science, pages 28–42. Springer-Verlag, Berlin, 2011.
488. R. Mans, N. Russell, W.M.P. van der Aalst, A. Moleman, and P. Bakker. Supporting Healthcare Processes with YAWL4Healthcare. In H. Ludwig and H. Reijers, editors, PROCEEDINGS OF THE DEMO TRACK OF BPM 2011, volume 820 of CEUR WORKSHOP PROCEEDINGS, pages 1–6. CEUR-WS.org, 2011.
489. W.M.P. van der Aalst. Do Petri Nets Provide the Right Representational Bias for Process Mining? In J. Desel and A. Yakovlev, editors, WORKSHOP APPLICATIONS OF REGION THEORY 2011 (ART 2011), volume 725 of CEUR WORKSHOP PROCEEDINGS, pages 85–94. CEUR-WS.org, 2011.
490. R. Zeng, X. He, and W.M.P. van der Aalst. A Method to Build and Analyze Scientific Workflows From Provenance Through Process Mining. In THIRD USENIX WORKSHOP ON THE THEORY AND PRACTICE OF PROVENANCE (TAPP'11), pages 1–5. USENIX, Berkeley, CA, 2011.
491. R.P. Jagadeesh Chandra Bose, H.M.W. Verbeek, and W.M.P. van der Aalst. Discovering Hierarchical Process Models Using ProM. In S. Nurcan, editor, PROCEEDINGS OF THE CAISE FORUM 2011, volume 734 of CEUR WORKSHOP PROCEEDINGS, pages 33–40. CEUR-WS.org, 2011.
492. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. When Process Mining Meets Bioinformatics. In S. Nurcan, editor, PROCEEDINGS OF THE CAISE FORUM 2011, volume 734 of CEUR WORKSHOP PROCEEDINGS, pages 147–154. CEUR-WS.org, 2011.
493. R. Zeng, X. He, and W.M.P. van der Aalst. A Method to Mine Workflows from Provenance for Assisting Scientific Workflow Composition. In IEEE WORLD CONGRESS ON SERVICES (SERVICES 2011), pages 169–175. IEEE Computer Society, 2011.
494. A. Adriansyah, B. van Dongen, and W.M.P. van der Aalst. Conformance Checking using Cost-Based Fitness Analysis. In C.H. Chi and P. Johnson, editors, IEEE INTERNATIONAL ENTERPRISE COMPUTING CONFERENCE (EDOC 2011), pages 55–64. IEEE Computer Society, 2011.

495. R.P. Jagadeesh Chandra Bose, W.M.P. van der Aalst, I. Zliobaite, and M. Pechenizkiy. Handling Concept Drift in Process Mining. In H. Mouratidis and C. Rolland, editors, INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE 2011), volume 6741 of LECTURE NOTES IN COMPUTER SCIENCE, pages 391–405. Springer-Verlag, Berlin, 2011.
496. W.M.P. van der Aalst. Process Mining: Discovering and Improving Spaghetti and Lasagna Processes. In N. Chawla, I. King, and A. Sperduti, editors, IEEE SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND DATA MINING (CIDM 2011), pages 1–7, Paris, France, April 2011. IEEE.
497. F.M. Maggi, A.J. Mooij, and W.M.P. van der Aalst. User-Guided Discovery of Declarative Process Models. In N. Chawla, I. King, and A. Sperduti, editors, IEEE SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND DATA MINING (CIDM 2011), pages 192–199, Paris, France, April 2011. IEEE.
498. M.A. Grando, M.H. Schonenberg, and W.M.P. van der Aalst. Semantic Process Mining for the Verification of Medical Recommendations. In V. Traver, A. Fred, J. Filipe, and H. Gamboa, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON HEALTH INFORMATICS (HEALTHINF'11), pages 5–16. SciTePress, 2011.
499. M.C. Fauvet, M. La Rosa, M. Sadegh, A. Alshareef, R.M. Dijkman, L. Garcia-Banuelos, H.A. Reijers, W.M.P. van der Aalst, M. Dumas, and J. Mendling. Managing Process Model Collections with APROMORE. In P. Maglio, M. Weske, J. Yang, and M. Fantinato, editors, PROCEEDINGS OF SERVICE-ORIENTED COMPUTING (ICSOC 2010), volume 6470 of LECTURE NOTES IN COMPUTER SCIENCE, pages 699–701. Springer-Verlag, Berlin, 2010.
500. J. Li, R.P. Jagadeesh Chandra Bose, and W.M.P. van der Aalst. Mining Context-Dependent and Interactive Business Process Maps using Execution Patterns. In M. zur Muehlen and J. Su, editors, BPM 2010 WORKSHOPS, PROCEEDINGS OF THE SIXTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI2010), volume 66 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 109–121. Springer-Verlag, Berlin, 2011.
501. A. Adriansyah, B.F. van Dongen, and W.M.P. van der Aalst. Towards Robust Conformance Checking. In M. zur Muehlen and J. Su, editors, BPM 2010 WORKSHOPS, PROCEEDINGS OF THE SIXTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI2010), volume 66 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 122–133. Springer-Verlag, Berlin, 2011.
502. I. Vanderfeesten, H.A. Reijers, W.M.P. van der Aalst, and J. Vogelaar. Automatic Support for Product Based Workflow Design: Generation of Process Models from a Product Data Model. In R. Meersman, T. Dillon, and P. Herrero, editors, OTM WORKSHOPS, volume 6428 of LECTURE NOTES IN COMPUTER SCIENCE, pages 665–674. Springer-Verlag, Berlin, 2010.
503. W.M.P. van der Aalst. Configurable Services in the Cloud: Supporting Variability While Enabling Cross-Organizational Process Mining. In R. Meersman, T. Dillon, and P. Herrero, editors, OTM FEDERATED CONFERENCES, 18TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2010), volume 6426 of LECTURE NOTES IN COMPUTER SCIENCE, pages 8–25. Springer-Verlag, Berlin, 2010.
504. C. Bratosin, N. Sidorova, and W.M.P. van der Aalst. Discovering Process Models with Genetic Algorithms Using Sampling. In R. Setchi, I. Jordanov, R. Howlett, and L. Jain, editors, KNOWLEDGE-BASED AND INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS (KES 2010), volume 6276 of LECTURE NOTES IN COMPUTER SCIENCE, pages 41–50. Springer-Verlag, Berlin, 2010.
505. M.H. Schonenberg, N. Sidorova, W.M.P. van der Aalst, and K. van Hee. History-Dependent Stochastic Petri Nets. In A. Pnueli, I. Virbitskaite, and A. Voronkov, editors, PERSPECTIVES OF SYSTEMS INFORMATICS, volume 5947 of LECTURE NOTES IN COMPUTER SCIENCE, pages 366–379. Springer-Verlag, Berlin, 2010.
506. M. Pesic, D. Bosnacki, and W.M.P. van der Aalst. Enacting Declarative Languages Using LTL: Avoiding Errors and Improving Performance. In J. van de Pol and M. Weber, editors, PROCEEDINGS OF THE 17TH INTERNATIONAL SPIN WORKSHOP ON MODEL CHECKING OF SOFTWARE (SPIN2010), volume 6349 of LECTURE NOTES IN COMPUTER SCIENCE, pages 146–161. Springer-Verlag, Berlin, 2010.
507. C. Houy, P. Fettke, P. Loos, W.M.P. van der Aalst, and J. Krogstie. BPM-in-the-Large: Towards a Higher Level of Abstraction in Business Process Management. In M. Janssen, W. Lamersdorf, J. Pries-Heje, and M. Rosemann, editors, E-GOVERNMENT, E-SERVICES AND GLOBAL PROCESSES, volume 334 of IFIP ADVANCES IN INFORMATION AND COMMUNICATION TECHNOLOGY, pages 237–248. Springer-Verlag, Berlin, 2010.

508. N. Trcka, W.M.P. van der Aalst, and N. Sidorova. Workflow Completion Patterns (best paper award). In S. Reveliotis, editor, PROCEEDINGS OF THE 5TH IEEE CONFERENCE ON AUTOMATION SCIENCE AND ENGINEERING (CASE 2009), pages 7–12. IEEE Computer Society Press, 2009.
509. M. Pechenizkiy, N. Trcka, E. Vasilyeva, W.M.P. van der Aalst, and P. De Bra. Process Mining Online Assessment Data. In C. Romero, S. Ventura, M. Pechenizkiy, and R. Baker, editors, EDUCATIONAL DATA MINING (EDM 2009), pages 279–288. www.educationaldatamining.org, 2009.
510. H.M.W. Verbeek, J.C.A.M. Buijs, B.F. van Dongen, and W.M.P. van der Aalst. XES, XESame, and ProM 6. In P. Soffer and E. Proper, editors, INFORMATION SYSTEMS EVOLUTION, volume 72 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 60–75. Springer-Verlag, Berlin, 2010.
511. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Trace Alignment in Process Mining: Opportunities for Process Diagnostics. In R. Hull, J. Mendling, and S. Tai, editors, BUSINESS PROCESS MANAGEMENT (BPM 2010), volume 6336 of LECTURE NOTES IN COMPUTER SCIENCE, pages 227–242. Springer-Verlag, Berlin, 2010.
512. W.M.P. van der Aalst, N. Lohmann, M. La Rosa, and J. Xu. Correctness Ensuring Process Configuration: An Approach Based on Partner Synthesis. In R. Hull, J. Mendling, and S. Tai, editors, BUSINESS PROCESS MANAGEMENT (BPM 2010), volume 6336 of LECTURE NOTES IN COMPUTER SCIENCE, pages 95–111. Springer-Verlag, Berlin, 2010.
513. C. Bratosin, N. Sidorova, and W.M.P. van der Aalst. Distributed Genetic Process Mining. In H. Ishibuchi, editor, IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE (WCCI 2010), pages 1951–1958, Barcelona, Spain, July 2010. IEEE.
514. W.M.P. van der Aalst. Business Process Simulation Revisited. In J. Barjis, editor, ENTERPRISE AND ORGANIZATIONAL MODELING AND SIMULATION, volume 63 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–14. Springer-Verlag, Berlin, 2010.
515. H. Schonenberg, J. Jian, N. Sidorova, and W.M.P. van der Aalst. Business Trend Analysis by Simulation. In B. Pernici, editor, ADVANCED INFORMATION SYSTEMS ENGINEERING, PROCEEDINGS OF THE 22ND INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'10), volume 6051 of LECTURE NOTES IN COMPUTER SCIENCE, pages 515–529. Springer-Verlag, Berlin, 2010.
516. W.M.P. van der Aalst, M. Pesic, and M. Song. Beyond Process Mining: From the Past to Present and Future. In B. Pernici, editor, ADVANCED INFORMATION SYSTEMS ENGINEERING, PROCEEDINGS OF THE 22ND INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'10), volume 6051 of LECTURE NOTES IN COMPUTER SCIENCE, pages 38–52. Springer-Verlag, Berlin, 2010.
517. J. Nakatumba and W.M.P. van der Aalst. Analyzing Resource Behavior Using Process Mining. In S. Rinderle-Ma, S. Sadiq, and F. Leymann, editors, BPM 2009 WORKSHOPS, PROCEEDINGS OF THE FIFTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI'09), volume 43 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 69–80. Springer-Verlag, Berlin, 2010.
518. C.W. Günther, A. Rozinat, and W.M.P. van der Aalst. Activity Mining by Global Trace Segmentation. In S. Rinderle-Ma, S. Sadiq, and F. Leymann, editors, BPM 2009 WORKSHOPS, PROCEEDINGS OF THE FIFTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI'09), volume 43 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 128–139. Springer-Verlag, Berlin, 2010.
519. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Trace Clustering Based on Conserved Patterns: Towards Achieving Better Process Models. In S. Rinderle-Ma, S. Sadiq, and F. Leymann, editors, BPM 2009 WORKSHOPS, PROCEEDINGS OF THE FIFTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI'09), volume 43 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 170–181. Springer-Verlag, Berlin, 2010.
520. M. Netjes, R. Mans, H.A. Reijers, W.M.P. van der Aalst, and R. Vanwersch. BPR Best Practices for the Healthcare Domain. In S. Rinderle-Ma, S. Sadiq, and F. Leymann, editors, BPM 2009 WORKSHOPS, PROCEEDINGS OF THE THIRD WORKSHOP ON PROCESS-ORIENTED INFORMATION SYSTEMS IN HEALTHCARE (PROHEALTH'09), volume 43 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 605–616. Springer-Verlag, Berlin, 2010.
521. R.S. Mans, W.M.P. van der Aalst, N. Russell, P. Bakker, and A. Moleman. Process-Aware Information System Development for the Healthcare Domain - Consistency, Reliability, and Effectiveness. In S. Rinderle-Ma, S. Sadiq, and F. Leymann, editors, BPM 2009 WORKSHOPS, PROCEEDINGS OF THE

THIRD WORKSHOP ON PROCESS-ORIENTED INFORMATION SYSTEMS IN HEALTHCARE (PROHEALTH'09), volume 43 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 635–646. Springer-Verlag, Berlin, 2010.

522. M. Zapletal, W.M.P. van der Aalst, N. Russell, P. Liegl, and H. Werthner. An Analysis of Windows Workflow's Control-Flow Expressiveness. In R. Eshuis, P. Grefen, and G. Papadopoulos, editors, PROCEEDINGS OF THE 7TH IEEE EUROPEAN CONFERENCE ON WEB SERVICES (ECOWS 2009), pages 200–209. IEEE Computer Society Press, 2009.
523. R.S. Mans, W.M.P. van der Aalst, N.C. Russell, P.J.M. Bakker, and A.J. Moleman. Model-based Development and Testing of Process-aware Information Systems. In PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ADVANCES IN SYSTEM TESTING AND VALIDATION LIFECYCLE (VALID 2009), pages 129–134. IEEE Computer Society, 2009.
524. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Abstractions in Process Mining: A Taxonomy of Patterns. In U. Dayal, J. Eder, J. Koehler, and H. Reijers, editors, BUSINESS PROCESS MANAGEMENT (BPM 2009), volume 5701 of LECTURE NOTES IN COMPUTER SCIENCE, pages 159–175. Springer-Verlag, Berlin, 2009.
525. A. Rozinat, I.S.M. de Jong, C.W. Günther, and W.M.P. van der Aalst. Conformance Analysis of ASML's Test Process. In S. Sadiq, M. Indulska, M. zur Muehlen, E. Dubois, and P. Johannesson, editors, PROCEEDINGS OF THE SECOND INTERNATIONAL WORKSHOP ON GOVERNANCE, RISK AND COMPLIANCE (GRCIS'09), volume 459 of CEUR WORKSHOP PROCEEDINGS, pages 1–15. CEUR-WS.org, 2009.
526. W.M.P. van der Aalst, M. Adams, A.H.M. ter Hofstede, M. Pesic, and H. Schonenberg. Flexibility as a Service. In L. Chen, editor, DATABASE SYSTEMS FOR ADVANCED APPLICATIONS (DASFAA 2009), volume 5667 of LECTURE NOTES IN COMPUTER SCIENCE, pages 319–333. Springer-Verlag, Berlin, 2009.
527. R.S. Mans, N.C. Russell, W.M.P. van der Aalst, A.J. Moleman, and P.J.M. Bakker. Schedule-Aware Workflow Management Systems. In D. Moldt, editor, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PETRI NETS AND SOFTWARE ENGINEERING (PNSE'09), pages 81–96. Université Paris 13, Paris, France, 2009.
528. W.M.P. van der Aalst, K.M. van Hee, P. Massuthe, N. Sidorova, and J.M. van der Werf. Compositional Service Trees. In G. Franceschinis and K. Wolf, editors, PROCEEDINGS OF THE 30TH INTERNATIONAL CONFERENCE ON APPLICATIONS AND THEORY OF PETRI NETS (PETRI NETS 2009), volume 5606 of LECTURE NOTES IN COMPUTER SCIENCE, pages 283–302. Springer-Verlag, Berlin, 2009.
529. R.P. Jagadeesh Chandra Bose and W.M.P. van der Aalst. Context Aware Trace Clustering: Towards Improving Process Mining Results. In H. Liu and Z. Obradovic, editors, PROCEEDINGS OF THE SIAM INTERNATIONAL CONFERENCE ON DATA MINING (SDM 2009), pages 401–412. Society for Industrial and Applied Mathematics, 2009.
530. A. Rozinat, S. Zickler, M. Veloso, W.M.P. van der Aalst, and C. McMillen. Analyzing Multi-agent Activity Logs Using Process Mining Techniques. In H. Asama, H. Kurokawa, J. Ota, and K. Sekiyama, editors, DISTRIBUTED AUTONOMOUS ROBOTIC SYSTEMS, volume 8, pages 251–260. Springer-Verlag, Berlin, 2009.
531. W.M.P. van der Aalst. TomTom for Business Process Management (TomTom4BPM). In P. van Eck, J. Gordijn, and R. Wieringa, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING, PROCEEDINGS OF THE 21ST INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'09), volume 5565 of LECTURE NOTES IN COMPUTER SCIENCE, pages 2–5. Springer-Verlag, Berlin, 2009.
532. F. Bezerra, J. Wainer, and W.M.P. van der Aalst. Anomaly Detection Using Process Mining. In T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Sofer, and R. Ukor, editors, ENTERPRISE, BUSINESS-PROCESS AND INFORMATION SYSTEMS MODELING, volume 29 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 149–161. Springer-Verlag, Berlin, 2009.
533. N. Trcka, W.M.P. van der Aalst, and N. Sidorova. Data-Flow Anti-Patterns: Discovering Data-Flow Errors in Workflows. In P. van Eck, J. Gordijn, and R. Wieringa, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING, PROCEEDINGS OF THE 21ST INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'09), volume 5565 of LECTURE NOTES IN COMPUTER SCIENCE, pages 425–439. Springer-Verlag, Berlin, 2009.

534. F. Gottschalk, T. Wagemakers, M.H. Jansen-Vullers, W.M.P. van der Aalst, and M. La Rosa. Configurable Process Models: Experiences From a Municipality Case Study. In P. van Eck, J. Gordijn, and R. Wieringa, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING, PROCEEDINGS OF THE 21ST INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'09), volume 5565 of LECTURE NOTES IN COMPUTER SCIENCE, pages 486–500. Springer-Verlag, Berlin, 2009.
535. W.M.P. van der Aalst. Using Process Mining to Generate Accurate and Interactive Business Process Maps. In A. Abramowicz and D. Flejter, editors, BUSINESS INFORMATION SYSTEMS (BIS 2009) WORKSHOPS, volume 37 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–14. Springer-Verlag, Berlin, 2009.
536. M. Song, C.W. Günther, and W.M.P. van der Aalst. Trace Clustering in Process Mining. In D. Ardagna, editor, BPM 2008 WORKSHOPS, PROCEEDINGS OF THE FOURTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2008), volume 17 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 109–120. Springer-Verlag, Berlin, 2009.
537. M. Netjes, H. Reijers, and W.M.P. van der Aalst. On the Formal Generation of Process Redesigns. In D. Ardagna, editor, BPM 2008 WORKSHOPS, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON MODEL-DRIVEN ENGINEERING FOR BUSINESS PROCESS MANAGEMENT (MDE4BPM08), volume 17 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 224–235. Springer-Verlag, Berlin, 2009.
538. R. Mans, W.M.P. van der Aalst, N. Russell, and P.J.M. Bakker. Flexibility Schemes for Workflow Management Systems. In D. Ardagna, editor, BPM 2008 WORKSHOPS, PROCEEDINGS OF THE SECOND INTERNATIONAL WORKSHOP ON PROCESS-ORIENTED INFORMATION SYSTEMS IN HEALTHCARE (PROHEALTH08), volume 17 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 361–372. Springer-Verlag, Berlin, 2009.
539. M. Funk, A. Rozinat, A.K. Alves de Medeiros, P.H.A. van der Putten, H. Corporaal, and W.M.P. van der Aalst. Improving Product Usage Monitoring and Analysis with Semantic Concepts. In J. Yang, A. Ginige, H. Mayr, and R. Kutsche, editors, INFORMATION SYSTEMS: MODELING, DEVELOPMENT, AND INTEGRATION, volume 20 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 190–201. Springer-Verlag, Berlin, 2009.
540. N. Trcka, W.M.P. van der Aalst, C. Bratosin, and N. Sidorova. Evaluating a Data Removal Strategy for Grid Environments Using Colored Petri Nets. In T. Baker, A. Bui, and S. Tixeuil, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PRINCIPLES OF DISTRIBUTED SYSTEMS (OPODIS 2008), volume 5401 of LECTURE NOTES IN COMPUTER SCIENCE, pages 538–541. Springer-Verlag, Berlin, 2008.
541. M. El Kharbili, A.K. Alves de Medeiros, S. Stein, and W.M.P. van der Aalst. Business Process Compliance Checking: Current State and Future Challenges. In P. Loos, M. Nuettgens, K. Turowski, and D. Werth, editors, MODELLIERUNG BETRIEBLICHER INFORMATIONSSYSTEME (MOBIS 2008), volume 141 of LECTURE NOTES IN INFORMATICS, pages 107–113. Gesellschaft für Informatik, Bonn, 2008.
542. J. Mendling and W.M.P. van der Aalst. Advanced Reduction Rules for the Verification of EPC Business Process Models. In W. Hesse and A. Oberweis, editors, PROCEEDINGS OF THE THIRD AIS SIGSAND EUROPEAN SYMPOSIUM ON ANALYSIS, DESIGN, USE AND SOCIETAL IMPACT OF INFORMATION SYSTEMS (SIGSAND-EUROPE 2008), volume 129 of LECTURE NOTES IN INFORMATICS, pages 129–140. Gesellschaft für Informatik, Bonn, 2008.
543. C.W. Günther, M. Reichert, and W.M.P. van der Aalst. Supporting Flexible Processes with Adaptive Workflow and Case Handling. In PROCEEDINGS OF THE SEVENTEENTH WORKSHOP ON ENABLING TECHNOLOGIES: INFRASTRUCTURES FOR COLLABORATIVE ENTERPRISES (WETICE 2008), pages 229–234. IEEE Computer Society Press, 2008.
544. R.S. Mans, N.C. Russell, W.M.P. van der Aalst, A.J. Moleman, and P.J.M. Bakker. Augmenting a Workflow Management System with Planning Facilities using Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE NINTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2008), volume 588 of DAIMI, pages 143–162, Aarhus, Denmark, October 2008. University of Aarhus.
545. V. Kannan, W.M.P. van der Aalst, and M. Voorhoeve. Formal Modeling and Analysis by Simulation of Data Paths in Digital Document Printers. In K. Jensen, editor, PROCEEDINGS OF THE NINTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2008), volume 588 of DAIMI, pages 27–46, Aarhus, Denmark, October 2008. University of Aarhus.

546. R.S. Mans, H. Schonenberg, G. Leonardi, S. Panzarasa, A. Cavallini, S. Quaglini, and W.M.P. van der Aalst. Process Mining Techniques: An Application to Stroke Care. In S.K. Andersen, editor, PROCEEDINGS 21ST INTERNATIONAL CONGRESS OF THE EUROPEAN FEDERATION FOR MEDICAL INFORMATICS (MIE 2008), volume 136 of STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, pages 573–578. IOS Press, 2008.
547. F. Gottschalk, W.M.P. van der Aalst, and M.H. Jansen-Vullers. Merging Event-driven Process Chains. In R. Meersman and Z. Tari, editors, PROCEEDINGS OF THE 16TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS, COOPIS 2008, OTM 2008, PART I, volume 5331 of LECTURE NOTES IN COMPUTER SCIENCE, pages 418–426. Springer-Verlag, Berlin, 2008.
548. F. Gottschalk, W.M.P. van der Aalst, and M.H. Jansen-Vullers. Mining Reference Process Models and their Configurations. In R. Meersman, Z. Tari, and P. Herrero, editors, PROCEEDINGS OF THE 3RD INTERNATIONAL WORKSHOP ON ENTERPRISE INTEGRATION, INTEROPERABILITY AND NETWORKING, EI2N08, OTM 2008 WORKSHOPS, volume 5333 of LECTURE NOTES IN COMPUTER SCIENCE, pages 263–272. Springer-Verlag, Berlin, 2008.
549. B.F. van Dongen, R.A. Crooy, and W.M.P. van der Aalst. Cycle Time Prediction: When Will This Case Finally Be Finished? In R. Meersman and Z. Tari, editors, PROCEEDINGS OF THE 16TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS, COOPIS 2008, OTM 2008, PART I, volume 5331 of LECTURE NOTES IN COMPUTER SCIENCE, pages 319–336. Springer-Verlag, Berlin, 2008.
550. C. Bratosin, W.M.P. van der Aalst, N. Sidorova, and N. Trcka. A Reference Model for Grid Architectures and its Analysis. In R. Meersman and Z. Tari, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON GRID COMPUTING, HIGH PERFORMANCE AND DISTRIBUTED APPLICATIONS, GADA 2008, OTM 2008, PART I, volume 5331 of LECTURE NOTES IN COMPUTER SCIENCE, pages 898–913. Springer-Verlag, Berlin, 2008.
551. A.K. Alves de Medeiros and W.M.P. van der Aalst. Process Mining towards Semantics. In T.S. Dillon, editor, ADVANCES IN WEB SEMANTICS I, volume 4891 of LECTURE NOTES IN COMPUTER SCIENCE, pages 35–80. Springer-Verlag, Berlin, 2008.
552. W.M.P. van der Aalst. Process Mining: On the Balance Between Underfitting and Overfitting. In W. Bridewell, T. Calders, A.K. de Medeiros, S. Kramer, M. Pechenizkiy, and L. Todorovski, editors, PROCEEDINGS OF THE ECML-PKDD WORKSHOP ON INDUCTION OF PROCESS MODELS (IPM08), pages 1–2. University of Antwerp, Belgium, 2008.
553. A. Rozinat, M. Veloso, and W.M.P. van der Aalst. Evaluating the Quality of Discovered Process Models. In W. Bridewell, T. Calders, A.K. de Medeiros, S. Kramer, M. Pechenizkiy, and L. Todorovski, editors, PROCEEDINGS OF THE ECML-PKDD WORKSHOP ON INDUCTION OF PROCESS MODELS (IPM08), pages 45–52. University of Antwerp, Belgium, 2008.
554. M. Song, C.W. Günther, and W.M.P. van der Aalst. Trace Clustering in Process Mining. In M. Castellanos, A.K.A. de Meideros, J. Mendling, and B. Weber, editors, INFORMAL PROCEEDINGS OF THE FOURTH WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2008), pages 51–62. Politecnico di Milano, Italy, 2008.
555. M. Netjes, H. Reijers, and W.M.P. van der Aalst. On the Formal Generation of Process Redesigns. In C. Pautasso and J. Koehler, editors, INFORMAL PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON MODEL-DRIVEN ENGINEERING FOR BUSINESS PROCESS MANAGEMENT (MDE4BPM08), pages 49–60. Politecnico di Milano, Italy, 2008.
556. R. Mans, W.M.P. van der Aalst, N. Russell, and P.J.M. Bakker. Flexibility Schemes for Workflow Management Systems. In R. Lenz, M. Peleg, and M. Reichert, editors, INFORMAL PROCEEDINGS OF THE SECOND INTERNATIONAL WORKSHOP ON PROCESS-ORIENTED INFORMATION SYSTEMS IN HEALTHCARE (PROHEALTH08), pages 50–61. Politecnico di Milano, Italy, 2008.
557. H. Schonenberg, B. Weber, B.F. van Dongen, and W.M.P. van der Aalst. Supporting Flexible Processes Through Recommendations Based on History. In M. Dumas, M. Reichert, and M.C. Shan, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2008), volume 5240 of LECTURE NOTES IN COMPUTER SCIENCE, pages 51–66. Springer-Verlag, Berlin, 2008.
558. M. de Leoni, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Visual Support for Work Assignment in Process-Aware Information Systems. In M. Dumas, M. Reichert, and M.C. Shan, editors, INTERNATIONAL

CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2008), volume 5240 of LECTURE NOTES IN COMPUTER SCIENCE, pages 67–83. Springer-Verlag, Berlin, 2008.

559. A. Rozinat, M.T. Wynn, W.M.P. van der Aalst, A.H.M. ter Hofstede, and C. Fidge. Workflow Simulation for Operational Decision Support Using Design, Historic and State Information. In M. Dumas, M. Reichert, and M.C. Shan, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2008), volume 5240 of LECTURE NOTES IN COMPUTER SCIENCE, pages 196–211. Springer-Verlag, Berlin, 2008.
560. A.K. Alves de Medeiros, W.M.P. van der Aalst, and C. Pedrinaci. Semantic Process Mining Tools: Core Building Blocks. In W. Golden, T. Acton, K. Conboy, H. van der Heijden, and V. Tuunainen, editors, 16TH EUROPEAN CONFERENCE ON INFORMATION SYSTEMS (ECIS'08), pages 1953–1964, Galway, Ireland, 2008.
561. W.M.P. van der Aalst. Discovery, Verification and Conformance of Workflows with Cancellation. In H. Ehrig, R. Heckel, G. Rozenberg, and G. Taentzer, editors, PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE ON GRAPH TRANSFORMATION (ICGT 2008), volume 5214 of LECTURE NOTES IN COMPUTER SCIENCE, pages 18–37. Springer-Verlag, Berlin, 2008.
562. N. Russell and W.M.P. van der Aalst. newYAWL: Designing a Workflow Systems Using Coloured Petri Nets. In N. Sidorova, D. Moldt, and H. Rölke, editors, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PETRI NETS AND DISTRIBUTED SYSTEMS (PNDS'08), pages 67–84. Xidian University, 2008.
563. W.M.P. van der Aalst, K.M. van Hee, A.H.M. ter Hofstede, N. Sidorova, H.M.W. Verbeek, M. Voorhoeve, and M.T. Wynn. Soundness of Workflow Nets with Reset Arcs is Undecidable! In J. Kleijn and M. Koutny, editors, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON CONCURRENCY METHODS ISSUES AND APPLICATIONS (CHINA'08), pages 57–72. Xidian University, 2008.
564. H. Schonenberg, R. Mans, N. Russell, N. Mulyar, and W.M.P. van der Aalst. Towards a Taxonomy of Process Flexibility. In Z. Bellahsene, C. Woo, and E. Hunt, editors, PROCEEDINGS OF THE FORUM AT THE CAISE'08 CONFERENCE, volume 344 of CEUR WORKSHOP PROCEEDINGS, pages 81–84. CEUR-WS.org, 2008.
565. N. Russell and W.M.P. van der Aalst. Work Distribution and Resource Management in BPEL4People: Capabilities and Opportunities. In Z. Bellahsene and M. Léonard, editors, PROCEEDINGS OF THE 20TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'08), volume 5074 of LECTURE NOTES IN COMPUTER SCIENCE, pages 94–108. Springer-Verlag, Berlin, 2008.
566. I.T.P. Vanderfeesten, H.A. Reijers, J. Mendling, W.M.P. van der Aalst, and J. Cardoso. On a Quest for Good Process Models: The Cross-Connectivity Metric. In Z. Bellahsene and M. Léonard, editors, PROCEEDINGS OF THE 20TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'08), volume 5074 of LECTURE NOTES IN COMPUTER SCIENCE, pages 480–494. Springer-Verlag, Berlin, 2008.
567. I.T.P. Vanderfeesten, H.A. Reijers, and W.M.P. van der Aalst. Product Based Workflow Support: Dynamic Workflow Execution. In Z. Bellahsene and M. Léonard, editors, PROCEEDINGS OF THE 20TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'08), volume 5074 of LECTURE NOTES IN COMPUTER SCIENCE, pages 571–574. Springer-Verlag, Berlin, 2008.
568. P. Wohed, N. Russell, A.H.M. ter Hofstede, B. Andersson, and W.M.P. van der Aalst. Open Source Workflow: A Viable Direction for BPM? In Z. Bellahsene and M. Léonard, editors, PROCEEDINGS OF THE 20TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'08), volume 5074 of LECTURE NOTES IN COMPUTER SCIENCE, pages 583–586. Springer-Verlag, Berlin, 2008.
569. R.S. Mans, M.H. Schonenberg, M. Song, W.M.P. van der Aalst, and P.J.M. Bakker. Process Mining in Healthcare: A Case Study. In L. Azevedo and A.R. Londral, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON HEALTH INFORMATICS (HEALTHINF'08), pages 118–125. Institute for Systems and Technologies of Information, Control and Communication (INSTICC), 2008.
570. H. Schonenberg, R. Mans, N. Russell, N. Mulyar, and W.M.P. van der Aalst. Process Flexibility: A Survey of Contemporary Approaches. In J. Dietz, A. Albani, and J. Barjis, editors, ADVANCES IN ENTERPRISE ENGINEERING I, volume 10 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 16–30. Springer-Verlag, Berlin, 2008.

571. W.M.P. van der Aalst, M. Dumas, F. Gottschalk, A.H.M. ter Hofstede, M. La Rosa, and J. Mendling. Correctness-Preserving Configuration of Business Process Models. In J.L. Fiadeiro and P. Inverardi, editors, PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING (FASE 2008), volume 4961 of LECTURE NOTES IN COMPUTER SCIENCE, pages 46–61. Springer-Verlag, Berlin, 2008.
572. N. Mulyar, M. Pesic, W.M.P. van der Aalst, and M. Peleg. Declarative and Procedural Approaches for Modelling Clinical Guidelines: Addressing Flexibility Issues. In A. ter Hofstede, B. Benatallah, and H.Y. Paik, editors, BPM 2007 INTERNATIONAL WORKSHOPS (BPI, BPD, CBP, PROHEALTH, REFMOD, SEMANTICS4WS), volume 4928 of LECTURE NOTES IN COMPUTER SCIENCE, pages 335–364. Springer-Verlag, Berlin, 2008.
573. A.K. Alves de Medeiros, A. Guzzo, G. Greco, W.M.P. van der Aalst, A.J.M.M. Weijters, B. van Dongen, and D. Sacca. Process Mining Based on Clustering: A Quest for Precision. In A. ter Hofstede, B. Benatallah, and H.Y. Paik, editors, BPM 2007 INTERNATIONAL WORKSHOPS (BPI, BPD, CBP, PROHEALTH, REFMOD, SEMANTICS4WS), volume 4928 of LECTURE NOTES IN COMPUTER SCIENCE, pages 17–29. Springer-Verlag, Berlin, 2008.
574. M.T. Wynn, M. Dumas, C.J. Fidge, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Business Process Simulation for Operational Decision Support. In A. ter Hofstede, B. Benatallah, and H.Y. Paik, editors, BPM 2007 INTERNATIONAL WORKSHOPS (BPI, BPD, CBP, PROHEALTH, REFMOD, SEMANTICS4WS), volume 4928 of LECTURE NOTES IN COMPUTER SCIENCE, pages 66–77. Springer-Verlag, Berlin, 2008.
575. A. Rozinat, A.K. Alves de Medeiros, C.W. Günther, A.J.M.M. Weijters, and W.M.P. van der Aalst. The Need for a Process Mining Evaluation Framework in Research and Practice. In A. ter Hofstede, B. Benatallah, and H.Y. Paik, editors, BPM 2007 INTERNATIONAL WORKSHOPS (BPI, BPD, CBP, PROHEALTH, REFMOD, SEMANTICS4WS), volume 4928 of LECTURE NOTES IN COMPUTER SCIENCE, pages 84–89. Springer-Verlag, Berlin, 2008.
576. M. La Rosa, F. Gottschalk, M. Dumas, and W.M.P. van der Aalst. Linking Domain Models and Process Models for Reference Model Configuration. In A. ter Hofstede, B. Benatallah, and H.Y. Paik, editors, BPM 2007 INTERNATIONAL WORKSHOPS (BPI, BPD, CBP, PROHEALTH, REFMOD, SEMANTICS4WS), volume 4928 of LECTURE NOTES IN COMPUTER SCIENCE, pages 417–430. Springer-Verlag, Berlin, 2008.
577. W.M.P. van der Aalst, N. Lohmann, P. Massuthe, C. Stahl, and K. Wolf. From Public Views to Private Views: Correctness-by-Design for Services. In M. Dumas and H. Heckel, editors, PROCEEDINGS OF THE 4TH INTERNATIONAL WORKSHOP ON WEB SERVICES AND FORMAL METHODS (WS-FM 2007), volume 4937 of LECTURE NOTES IN COMPUTER SCIENCE, pages 139–153. Springer-Verlag, Berlin, 2008.
578. M. Song and W.M.P. van der Aalst. Supporting Process Mining by Showing Events at a Glance. In K. Chari and A. Kumar, editors, PROCEEDINGS OF 17TH ANNUAL WORKSHOP ON INFORMATION TECHNOLOGIES AND SYSTEMS (WITS 2007), pages 139–145, Montreal, Canada, December 2007.
579. J. Mendling, B.F. van Dongen, and W.M.P. van der Aalst. On the Degree of Behavioral Similarity between Business Process Models. In M. Nuettgens, F.J. Rump, and A. Gadatsch, editors, PROCEEDINGS OF SIXTH WORKSHOP ON EVENT-DRIVEN PROCESS CHAINS (WI-EPK 2007), pages 39–58, St. Augustin, November 2007. Gesellschaft für Informatik, Bonn.
580. M. Pesic, M. H. Schonenberg, N. Sidorova, and W.M.P. van der Aalst. Constraint-Based Workflow Models: Change Made Easy. In F. Curbera, F. Leymann, and M. Weske, editors, PROCEEDINGS OF THE OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2007), volume 4803 of LECTURE NOTES IN COMPUTER SCIENCE, pages 77–94. Springer-Verlag, Berlin, 2007.
581. M. Adams, A.H.M. ter Hofstede, W.M.P. van der Aalst, and D. Edmond. Dynamic, Extensible and Context-Aware Exception Handling for Workflows. In F. Curbera, F. Leymann, and M. Weske, editors, PROCEEDINGS OF THE OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2007), volume 4803 of LECTURE NOTES IN COMPUTER SCIENCE, pages 95–112. Springer-Verlag, Berlin, 2007.
582. J. Mendling, G. Neumann, and W.M.P. van der Aalst. Understanding the Occurrence of Errors in Process Models Based on Metrics. In F. Curbera, F. Leymann, and M. Weske, editors, PROCEEDINGS OF THE OTM CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2007), volume 4803 of LECTURE NOTES IN COMPUTER SCIENCE, pages 113–130. Springer-Verlag, Berlin, 2007.
583. N. Mulyar, L. Aldred, and W.M.P. van der Aalst. The Conceptualization of a Configurable Multi-party Multi-message Request-Reply Conversation. In P. Felber, C. Pu, and A. van Moorsel, editors, PROCEEDINGS OF

THE OTM CONFERENCE ON DISTRIBUTED OBJECTS AND APPLICATIONS (DOA 2007), volume 4803 of LECTURE NOTES IN COMPUTER SCIENCE, pages 735–753. Springer-Verlag, Berlin, 2007.

584. A.K. Alves de Medeiros, C. Pedrinaci, W.M.P. van der Aalst, J. Domingue, M. Song, A. Rozinat, B. Norton, and L. Cabral. An Outlook on Semantic Business Process Mining and Monitoring. In R. Meersman, Z. Tari, and P. Herrero, editors, PROCEEDINGS OF THE OTM WORKSHOP ON SEMANTIC WEB AND WEB SEMANTICS (SWWS'07), volume 4806 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1244–1255. Springer-Verlag, Berlin, 2007.
585. J. Mendling, B.F. van Dongen, and W.M.P. van der Aalst. Getting Rid of the OR-Join in Business Process Models. In M. Spies and M.B. Blake, editors, PROCEEDINGS OF THE ELEVENTH IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC 2007), pages 3–14. IEEE Computer Society, 2007.
586. M. Pesic, H. Schonenberg, and W.M.P. van der Aalst. DECLARE: Full Support for Loosely-Structured Processes. In M. Spies and M.B. Blake, editors, PROCEEDINGS OF THE ELEVENTH IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC 2007), pages 287–298. IEEE Computer Society, 2007.
587. N. Mulyar, M. Pesic, W.M.P. van der Aalst, and M. Peleg. Declarative and Procedural Approaches for Modelling Clinical Guidelines: Addressing Flexibility Issues. In M. Reichert, R. Lenz, and M. Peleg, editors, INFORMAL PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON PROCESS-ORIENTED INFORMATION SYSTEMS IN HEALTHCARE (PROHEALTH 2007), pages 17–28. QUT, Brisbane, Australia, 2007.
588. A.K. Alves de Medeiros, A. Guzzo, G. Greco, W.M.P. van der Aalst, A.J.M.M. Weijters, B. van Dongen, and D. Sacca. Process Mining Based on Clustering: A Quest for Precision. In M. Castellanos, J. Mendling, and B. Weber, editors, INFORMAL PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2007), pages 7–18. QUT, Brisbane, Australia, 2007.
589. M.T. Wynn, M. Dumas, C.J. Fidge, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Business Process Simulation for Operational Decision Support. In M. Castellanos, J. Mendling, and B. Weber, editors, INFORMAL PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2007), pages 55–66. QUT, Brisbane, Australia, 2007.
590. A. Rozinat, A.K. Alves de Medeiros, C.W. Günther, A.J.M.M. Weijters, and W.M.P. van der Aalst. The Need for a Process Mining Evaluation Framework in Research and Practice. In M. Castellanos, J. Mendling, and B. Weber, editors, INFORMAL PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2007), pages 73–78. QUT, Brisbane, Australia, 2007.
591. M. La Rosa, F. Gottschalk, M. Dumas, and W.M.P. van der Aalst. Linking Domain Models and Process Models for Reference Model Configuration. In J. Becker and P. Delfmann, editors, INFORMAL PROCEEDINGS OF THE 10TH INTERNATIONAL WORKSHOP ON REFERENCE MODELING (REFMOD 2007), pages 13–24. QUT, Brisbane, Australia, 2007.
592. W.M.P. van der Aalst, N. Lohmann, P. Massuthe, C. Stahl, and K. Wolf. From Public Views to Private Views: Correctness-by-Design for Services. In M. Dumas and H. Heckel, editors, INFORMAL PROCEEDINGS OF THE 4TH INTERNATIONAL WORKSHOP ON WEB SERVICES AND FORMAL METHODS (WS-FM 2007), pages 119–134. QUT, Brisbane, Australia, 2007.
593. F. Gottschalk, W.M.P. van der Aalst, and M.H. Jansen-Vullers. SAP WebFlow Made Configurable: Unifying Workflow Templates into a Configurable Model. In G. Alonso, P. Dadam, and M. Rosemann, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2007), volume 4714 of LECTURE NOTES IN COMPUTER SCIENCE, pages 262–270. Springer-Verlag, Berlin, 2007.
594. C.W. Günther and W.M.P. van der Aalst. Fuzzy Mining: Adaptive Process Simplification Based on Multi-perspective Metrics. In G. Alonso, P. Dadam, and M. Rosemann, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2007), volume 4714 of LECTURE NOTES IN COMPUTER SCIENCE, pages 328–343. Springer-Verlag, Berlin, 2007.
595. J. Mendling, G. Neumann, and W.M.P. van der Aalst. On the Correlation between Process Model Metrics and Errors. In J. Grundy, S. Hartmann, A.H.F. Laender, L. Maciaszek, and J.F. Roddick, editors, PROCEEDINGS OF THE TWENTY-SIXTH INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING - ER 2007 - TUTORIALS, POSTERS, PANELS AND INDUSTRIAL CONTRIBUTIONS, volume 83 of

CONFERENCES IN RESEARCH AND PRACTICE IN INFORMATION TECHNOLOGY SERIES (CRPIT), pages 173–178, Auckland, New Zealand, 2007. Australian Computer Society.
596. A.J.M.M. Weijters, W.M.P. van der Aalst, B. van Dongen, C. Günther, R. Mans, A.K. Alves de Medeiros, A. Rozinat, M. Song, and E. Verbeek. Process Mining with ProM. In M. Dastani and E. de Jong, editors, PROCEEDINGS OF THE 19TH BELGIUM-NETHERLANDS CONFERENCE ON ARTIFICIAL INTELLIGENCE (BNAIC 2007), 2007.
597. W.M.P. van der Aalst, F. Leymann, and W. Reisig. The Role of Business Processes in Service Oriented Architectures (Editorial). INTERNATIONAL JOURNAL OF BUSINESS PROCESS INTEGRATION AND MANAGEMENT, 2(2):75–80, 2007.
598. W.M.P. van der Aalst, M. Beisiegel, K.M. van Hee, D. König, and C. Stahl. An SOA-Based Architecture Framework. INTERNATIONAL JOURNAL OF BUSINESS PROCESS INTEGRATION AND MANAGEMENT, 2(2):91–101, 2007.
599. E. Bacarin, W.M.P. van der Aalst, E. Madeira, and C.B. Medeiros. Towards Modeling and Simulating a Multi-party Negotiation Protocol with Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE EIGHTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2007), volume 584 of DAIMI, pages 29–48, Aarhus, Denmark, October 2007. University of Aarhus.
600. C. Bratosin, W.M.P. van der Aalst, and N. Sidorova. Modeling Grid Workflows with Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE EIGHTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2007), volume 584 of DAIMI, pages 67–86, Aarhus, Denmark, October 2007. University of Aarhus.
601. N. Russell, A.H.M. ter Hofstede, and W.M.P. van der Aalst. newYAWL: Specifying a Workflow Reference Language using Coloured Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE EIGHTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2007), volume 584 of DAIMI, pages 107–126, Aarhus, Denmark, October 2007. University of Aarhus.
602. R.S. Mans, W.M.P. van der Aalst, P.J.M. Bakker, A.J. Moleman, K.B. Lassen, and J.B. Jørgensen. From Requirements via Colored Workflow Nets to an Implementation in Several Workflow Systems. In K. Jensen, editor, PROCEEDINGS OF THE EIGHTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2007), volume 584 of DAIMI, pages 187–206, Aarhus, Denmark, October 2007. University of Aarhus.
603. F. Gottschalk, W.M.P. van der Aalst, and H.M. Jansen-Vullers. Configurable Process Models: A Foundational Approach. In J. Becker and P. Delfmann, editors, REFERENCE MODELING: EFFICIENT INFORMATION SYSTEMS DESIGN THROUGH REUSE OF INFORMATION MODELS, pages 59–78. Physica-Verlag, Springer, Heidelberg, Germany, 2007.
604. W.M.P. van der Aalst and C.W. Günther. Finding Structure in Unstructured Processes: The Case for Process Mining. In T. Basten, G. Juhas, and S. Shukla, editors, PROCEEDINGS THE 7TH INTERNATIONAL CONFERENCE ON APPLICATIONS OF CONCURRENCY TO SYSTEM DESIGN (ACSD 2007), pages 3–12, Bratislava, Slovak Republic, 2007. IEEE Computer Society Press, Los Alamitos, California.
605. V. Rubin, C.W. Günther, W.M.P. van der Aalst, E. Kindler, B.F. van Dongen, and W. Schäfer. Process Mining Framework for Software Processes. In Q. Wang, D. Pfahl, and D.M. Raffo, editors, INTERNATIONAL CONFERENCE ON SOFTWARE PROCESS, SOFTWARE PROCESS DYNAMICS AND AGILITY (ICSP 2007), volume 4470 of LECTURE NOTES IN COMPUTER SCIENCE, pages 169–181. Springer-Verlag, Berlin, 2007.
606. J. Mendling and W.M.P. van der Aalst. Formalization and Verification of EPCs with OR-Joins Based on State and Context. In J. Krogstie, A. Opdahl, and G. Sindre, editors, PROCEEDINGS OF THE 19TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'07), volume 4495 of LECTURE NOTES IN COMPUTER SCIENCE, pages 439–453. Springer-Verlag, Berlin, 2007.
607. L. Aldred, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. Communication Abstractions for Distributed Business Processes. In J. Krogstie, A. Opdahl, and G. Sindre, editors, PROCEEDINGS OF THE 19TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'07), volume 4495 of LECTURE NOTES IN COMPUTER SCIENCE, pages 409–423. Springer-Verlag, Berlin, 2007.
608. W.M.P. van der Aalst, B.F. van Dongen, C.W. Günther, R.S. Mans, A.K. Alves de Medeiros, A. Rozinat, V. Rubin, M. Song, H.M.W. Verbeek, and A.J.M.M. Weijters. ProM 4.0: Comprehensive Support for Real Process Analysis. In J. Kleijn and A. Yakovlev, editors, APPLICATION AND THEORY OF PETRI NETS AND

OTHER MODELS OF CONCURRENCY (ICATPN 2007), volume 4546 of LECTURE NOTES IN COMPUTER SCIENCE, pages 484–494. Springer-Verlag, Berlin, 2007.
609. K.M. van Hee, A. Serebrenik, N. Sidorova, and W.M.P. van der Aalst. History-Dependent Petri Nets. In J. Kleijn and A. Yakovlev, editors, APPLICATION AND THEORY OF PETRI NETS AND OTHER MODELS OF CONCURRENCY (ICATPN 2007), volume 4546 of LECTURE NOTES IN COMPUTER SCIENCE, pages 164–183. Springer-Verlag, Berlin, 2007.
610. B.F. van Dongen, N. Busi, G.M. Pinna, and W.M.P. van der Aalst. An Iterative Algorithm for Applying the Theory of Regions in Process Mining. In W. Reisig, K. van Hee, and K. Wolf, editors, PROCEEDINGS OF THE WORKSHOP ON FORMAL APPROACHES TO BUSINESS PROCESSES AND WEB SERVICES (FABPWS'07), pages 36–55. Publishing House of University of Podlasie, Siedlce, Poland, 2007.
611. K.B. Lassen, B.F. van Dongen, and W.M.P. van der Aalst. Translating Message Sequence Charts to Other Process Languages Using Process Mining. In D. Moldt, F. Kordon, K. van Hee, J.M. Colom, and R. Bastide, editors, PROCEEDINGS OF THE WORKSHOP ON PETRI NETS AND SOFTWARE ENGINEERING (PNSE'07), pages 82–97. Publishing House of University of Podlasie, Siedlce, Poland, 2007.
612. H.M.W. Verbeek, A.J. Pretorius, W.M.P. van der Aalst, and J.J. van Wijk. On Petri-Net Synthesis and Attribute-Based Visualization. In D. Moldt, F. Kordon, K. van Hee, J.M. Colom, and R. Bastide, editors, PROCEEDINGS OF THE WORKSHOP ON PETRI NETS AND SOFTWARE ENGINEERING (PNSE'07), pages 127–142. Publishing House of University of Podlasie, Siedlce, Poland, 2007.
613. W.M.P. van der Aalst. Trends in Business Process Analysis: From Verification to Process Mining. In J. Cardoso, J. Cordeiro, and J. Filipe, editors, PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (ICEIS 2007), pages 12–22. Institute for Systems and Technologies of Information, Control and Communication, INSTICC, Medeira, Portugal, 2007.
614. I. Vanderfeesten, H.A. Reijers, and W.M.P. van der Aalst. An Evaluation of Case Handling Systems for Product Based Workflow Design. In J. Cardoso, J. Cordeiro, and J. Filipe, editors, PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (ICEIS 2007), VOLUME ON INFORMATION SYSTEMS ANALYSIS AND SPECIFICATION, pages 39–46. Institute for Systems and Technologies of Information, Control and Communication, INSTICC, Medeira, Portugal, 2007.
615. M. Netjes, S. Limam Mansar, H.A. Reijers, and W.M.P. van der Aalst. An Evolutionary Approach for Business Process Redesign. In J. Cardoso, J. Cordeiro, and J. Filipe, editors, PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS (ICEIS 2007), VOLUME ON INFORMATION SYSTEMS ANALYSIS AND SPECIFICATION, pages 47–54. Institute for Systems and Technologies of Information, Control and Communication, INSTICC, Medeira, Portugal, 2007.
616. B.F. van Dongen, J. Mendling, and W.M.P. van der Aalst. Structural Patterns for Soundness of Business Process Models. In PROCEEDINGS OF THE TENTH IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC 2006), pages 116–128. IEEE Computer Society, 2006.
617. J. Mendling and W.M.P. van der Aalst. Towards EPC Semantics based on State and Context. In M. Nuettgens, F.J. Rump, and J. Mendling, editors, PROCEEDINGS OF FIFTH WORKSHOP ON EVENT-DRIVEN PROCESS CHAINS (WI-EPK 2006), pages 25–48, Vienna, December 2006. Gesellschaft für Informatik, Bonn.
618. P. Barborka, L. Helm, G. Koldorfer, J. Mendling, G. Neumann, E. Verbeek B.F. van Dongen, and W.M.P. van der Aalst. Integration of EPC-related Tools with ProM. In M. Nuettgens, F.J. Rump, and J. Mendling, editors, PROCEEDINGS OF FIFTH WORKSHOP ON EVENT-DRIVEN PROCESS CHAINS (WI-EPK 2006), pages 105–120, Vienna, December 2006. Gesellschaft für Informatik, Bonn.
619. K.B. Lassen and W.M.P. van der Aalst. WorkflowNet2BPEL4WS: A Tool for Translating Unstructured Workflow Processes to Readable BPEL. In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2006, OTM CONFEDERATED INTERNATIONAL CONFERENCES, 14TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2006), volume 4275 of LECTURE NOTES IN COMPUTER SCIENCE, pages 127–144. Springer-Verlag, Berlin, 2006.
620. M. Adams, A.H.M. ter Hofstede, D. Edmond, and W.M.P. van der Aalst. Worklets: A Service-Oriented Implementation of Dynamic Flexibility in Workflows. In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2006, OTM CONFEDERATED INTERNATIONAL CONFERENCES, 14TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS

(COOPIS 2006), volume 4275 of LECTURE NOTES IN COMPUTER SCIENCE, pages 291–308. Springer-Verlag, Berlin, 2006.
621. C.W. Günther, S. Rinderle, M. Reichert, and W.M.P. van der Aalst. Change Mining in Adaptive Process Management Systems. In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2006, OTM CONFEDERATED INTERNATIONAL CONFERENCES, 14TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2006), volume 4275 of LECTURE NOTES IN COMPUTER SCIENCE, pages 309–326. Springer-Verlag, Berlin, 2006.
622. M. Rouached, W. Gaaloul, W.M.P. van der Aalst, S. Bhiri, and C. Godart. Web Service Mining and Verification of Properties: An approach based on Event Calculus (withdrawn due to plagiarism of first author). In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2006, OTM CONFEDERATED INTERNATIONAL CONFERENCES, 14TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2006), volume 4275 of LECTURE NOTES IN COMPUTER SCIENCE, pages 408–425. Springer-Verlag, Berlin, 2006.
623. J.B. Jørgensen, K.B. Lassen, and W.M.P. van der Aalst. From Task Descriptions via Coloured Petri Nets Towards an Implementation of a New Electronic Patient Record. In K. Jensen, editor, PROCEEDINGS OF THE SEVENTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2006), volume 579 of DAIMI, pages 17–36, Aarhus, Denmark, October 2006. University of Aarhus.
624. A. Rozinat, R.S. Mans, and W.M.P. van der Aalst. Mining CPN Models: Discovering Process Models with Data from Event Logs. In K. Jensen, editor, PROCEEDINGS OF THE SEVENTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2006), volume 579 of DAIMI, pages 57–76, Aarhus, Denmark, October 2006. University of Aarhus.
625. F. Gottschalk, W.M.P. van der Aalst, M.H. Jansen-Vullers, and H.M.W. Verbeek. Protos2CPN: Using Colored Petri Nets for Configuring and Testing Business Processes. In K. Jensen, editor, PROCEEDINGS OF THE SEVENTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2006), volume 579 of DAIMI, pages 137–156, Aarhus, Denmark, October 2006. University of Aarhus.
626. C. Ouyang, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. From BPMN Process Models to BPEL Web Services. In PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE ON WEB SERVICES (ICWS), CHICAGO IL, USA, pages 285–292. IEEE Computer Society, September 2006.
627. F. Gottschalk, W.M.P. van der Aalst, and H.M. Jansen-Vullers. Configurable Process Models: A Foundational Approach. In F. Lehner, H. Nosekabel, and P. Kleinschmidt, editors, PROCEEDINGS OF THE MULTIKONFERENZ WIRTSCHAFTSINFORMATIK 2006 (MKWI '06). GITO-Verlag, Berlin, 2006.
628. C.W. Günther and W.M.P. van der Aalst. Process Mining in Case Handling Systems. In F. Lehner, H. Nosekabel, and P. Kleinschmidt, editors, PROCEEDINGS OF THE MULTIKONFERENZ WIRTSCHAFTSINFORMATIK 2006 (MKWI '06). GITO-Verlag, Berlin, 2006.
629. E. Liu, A. Kumar, and W.M.P. van der Aalst. Managing Supply Chain Events to Build Sense-and-Response Capability. In D. Straub and S. Klein, editors, PROCEEDINGS OF INTERNATIONAL CONFERENCE ON INFORMATION SYSTEMS (ICIS 2006), pages 117–133, Milwaukee, Wisconsin, December 2006.
630. C. Günther and W.M.P. van der Aalst. A Generic Import Framework for Process Event Logs. In J. Eder and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI 2006), volume 4103 of LECTURE NOTES IN COMPUTER SCIENCE, pages 81–92. Springer-Verlag, Berlin, 2006.
631. M. Pesic and W.M.P. van der Aalst. A Declarative Approach for Flexible Business Processes. In J. Eder and S. Dustdar, editors, BUSINESS PROCESS MANAGEMENT WORKSHOPS, WORKSHOP ON DYNAMIC PROCESS MANAGEMENT (DPM 2006), volume 4103 of LECTURE NOTES IN COMPUTER SCIENCE, pages 169–180. Springer-Verlag, Berlin, 2006.
632. M.T. Wynn, W.M.P. van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Verifying Workflows with Cancellation Regions and OR-joins: An Approach Based on Reset Nets and Reachability Analysis. In S. Dustdar, J.L. Fiadeiro, and A. Sheth, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2006), volume 4102 of LECTURE NOTES IN COMPUTER SCIENCE, pages 389–394. Springer-Verlag, Berlin, 2006.
633. P. Wohed, W.M.P. van der Aalst, M. Dumas, A.H.M. ter Hofstede, and N. Russell. On the Suitability of BPMN for Business Process Modelling. In S. Dustdar, J.L. Fiadeiro, and A. Sheth, editors, INTERNATIONAL

CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2006), volume 4102 of LECTURE NOTES IN COMPUTER SCIENCE, pages 161–176. Springer-Verlag, Berlin, 2006.
634. J. Mendling, M. Moser, G. Neumann, H.M.W. Verbeek, B.F. van Dongen, and W.M.P. van der Aalst. Faulty EPCs in the SAP Reference Model. In S. Dustdar, J.L. Fiadeiro, and A. Sheth, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2006), volume 4102 of LECTURE NOTES IN COMPUTER SCIENCE, pages 451–457. Springer-Verlag, Berlin, 2006.
635. A. Rozinat and W.M.P. van der Aalst. Decision Mining in ProM. In S. Dustdar, J.L. Fiadeiro, and A. Sheth, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2006), volume 4102 of LECTURE NOTES IN COMPUTER SCIENCE, pages 420–425. Springer-Verlag, Berlin, 2006.
636. W.M.P. van der Aalst, A.K. Alves de Medeiros, and A.J.M.M. Weijters. Process Equivalence: Comparing Two Process Models Based on Observed Behavior. In S. Dustdar, J.L. Fiadeiro, and A. Sheth, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2006), volume 4102 of LECTURE NOTES IN COMPUTER SCIENCE, pages 129–144. Springer-Verlag, Berlin, 2006.
637. W.M.P. van der Aalst and M. Pesic. DecSerFlow: Towards a Truly Declarative Service Flow Language. In M. Bravetti, M. Nunez, and G. Zavattaro, editors, INTERNATIONAL CONFERENCE ON WEB SERVICES AND FORMAL METHODS (WS-FM 2006), volume 4184 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–23. Springer-Verlag, Berlin, 2006.
638. J. Mendling, J. Recker, M. Rosemann, and W.M.P. van der Aalst. Generating Correct EPCs from Configured C-EPCs. In H. Haddad, editor, PROCEEDINGS OF THE 21ST ANNUAL ACM SYMPOSIUM ON APPLIED COMPUTING (SAC 2006), TRACK ON ORGANIZATIONAL ENGINEERING, pages 1505–1510. ACM Press, New York, NY, USA, 2006.
639. H. Tan and W.M.P. van der Aalst. Implementation of a YAWL Work-List Handler based on the Resource Patterns. In W. Shen, Z. Lin, and J.P. Barthes, editors, PROCEEDINGS OF THE 10TH IEEE INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED COOPERATIVE WORK IN DESIGN (CSCWD 2006), pages 1184–1189. IEEE Computer Society Press, 2006.
640. N. Russell, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Workflow Exception Patterns. In E. Dubois and K. Pohl, editors, PROCEEDINGS OF THE 18TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'06), volume 4001 of LECTURE NOTES IN COMPUTER SCIENCE, pages 288–302. Springer-Verlag, Berlin, 2006.
641. J. Recker, J. Mendling, W.M.P. van der Aalst, and M. Rosemann. Model-Driven Enterprise Systems Configuration. In E. Dubois and K. Pohl, editors, PROCEEDINGS OF THE 18TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'06), volume 4001 of LECTURE NOTES IN COMPUTER SCIENCE, pages 369–383. Springer-Verlag, Berlin, 2006.
642. W.M.P. van der Aalst, C.W. Günther, J. Recker, and M. Reichert. Using Process Mining to Analyze and Improve Process Flexibility. In T. Latour and M. Petit, editors, PROCEEDINGS OF THE BPMDS WORKSHOP AT THE 18TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'06), pages 168–177. Namur University Press, 2006.
643. M. Netjes, H.A. Reijers, and W.M.P. van der Aalst. Supporting the BPM Lifecycle with FileNet. In T. Latour and M. Petit, editors, PROCEEDINGS OF THE EMMSAD WORKSHOP AT THE 18TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'06), pages 497–508. Namur University Press, 2006.
644. H.M.W. Verbeek, B.F. van Dongen, J. Mendling, and W.M.P. van der Aalst. Interoperability in the ProM Framework. In T. Latour and M. Petit, editors, PROCEEDINGS OF THE EMOI-INTEROP WORKSHOP AT THE 18TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'06), pages 619–630. Namur University Press, 2006.
645. A. Rozinat and W.M.P. van der Aalst. Conformance Testing: Measuring the Fit and Appropriateness of Event Logs and Process Models. In C. Bussler et al., editor, BPM 2005 WORKSHOPS (WORKSHOP ON BUSINESS PROCESS INTELLIGENCE), volume 3812 of LECTURE NOTES IN COMPUTER SCIENCE, pages 163–176. Springer-Verlag, Berlin, 2006.
646. A.K. Alves de Medeiros, A.J.M.M. Weijters, and W.M.P. van der Aalst. Genetic Process Mining: A Basic Approach and its Challenges. In C. Bussler et al., editor, BPM 2005 WORKSHOPS (WORKSHOP ON BUSINESS PROCESS INTELLIGENCE), volume 3812 of LECTURE NOTES IN COMPUTER SCIENCE, pages 203–215. Springer-Verlag, Berlin, 2006.

647. J. Recker, M. Rosemann, W.M.P. van der Aalst, and J. Mendling. On the Syntax of Reference Model Configuration: Transforming the C-EPC into Lawful EPC Models. In C. Bussler et al., editor, BPM 2005 WORKSHOPS (WORKSHOP ON BUSINESS PROCESS REFERENCE MODELS), volume 3812 of LECTURE NOTES IN COMPUTER SCIENCE, pages 497–511. Springer-Verlag, Berlin, 2006.
648. W.M.P. van der Aalst, A. Dreiling, F. Gottschalk, M. Rosemann, and M.H. Jansen-Vullers. Configurable Process Models as a Basis for Reference Modeling. In C. Bussler et al., editor, BPM 2005 WORKSHOPS (WORKSHOP ON BUSINESS PROCESS REFERENCE MODELS), volume 3812 of LECTURE NOTES IN COMPUTER SCIENCE, pages 512–518. Springer-Verlag, Berlin, 2006.
649. N. Russell, W.M.P. van der Aalst, A.H.M. ter Hofstede, and P. Wohed. On the Suitability of UML Activity Diagrams for Business Process Modelling. In Markus Stumptner, Sven Hartmann, and Yasushi Kiyoki, editors, PROCEEDINGS OF THE THIRD ASIA-PACIFIC CONFERENCE ON CONCEPTUAL MODELLING (APCCM 2006), volume 53 of CONFERENCES IN RESEARCH AND PRACTICE IN INFORMATION TECHNOLOGY SERIES (CRPIT), pages 95–104, Hobart, Australia, 2006. ACS.
650. J. Recker, M. Rosemann, and W.M.P. van der Aalst. On the User Perception of Configurable Reference Process Models: Initial Insights. In B. Campbell, J. Underwood, and D. Bunker, editors, PROCEEDINGS OF THE 16TH AUSTRALASIAN CONFERENCE ON INFORMATION SYSTEMS (ACIS'2005), pages 1–10, Sydney, Australia, November 2005. Australasian Chapter of the Association for Information Systems.
651. A. Dreiling, M. Rosemann, and W.M.P. van der Aalst. From Conceptual Process Models to Running Workflows: A Holistic Approach for the Configuration of Enterprise Systems. In PACIFIC ASIA CONFERENCE ON INFORMATION SYSTEMS (PACIS 2005), pages 363–376, Bangkok, Thailand, 2005. Gesellschaft für Informatik.
652. A. Dreiling, M. Chiang, M. Rosemann, and W.M.P. van der Aalst. Towards an Understanding of Model-Driven Process Configuration and its Support at Large. In N.C. Romano, editor, AMERICAS CONFERENCE ON INFORMATION SYSTEMS (AMCIS 2005), pages 2084–2092, Omaha, Nebraska, 2005. Association for Information Systems.
653. J. Mendling, J. Recker, M. Rosemann, and W.M.P. van der Aalst. Towards the Interchange of Configurable EPCs: An XML-based Approach for Reference Model Configuration. In J. Desel and U. Frank, editors, WORKSHOP ON ENTERPRISE MODELLING AND INFORMATION SYSTEMS ARCHITECTURES (EMISA 2005), volume 75 of LECTURE NOTES IN INFORMATICS, pages 8–21, Klagenfurt, Austria, October 2005. Gesellschaft für Informatik, Bonn.
654. F. Gottschalk, M. Rosemann, and W.M.P. van der Aalst. My Own Process: Providing Dedicated Views on EPCs. In M. Nuettgens and F.J. Rump, editors, PROCEEDINGS OF FOURTH WORKSHOP ON EVENT-DRIVEN PROCESS CHAINS (WI-EPK 2005), pages 156–175, Hamburg, Germany, December 2005. Gesellschaft für Informatik, Bonn.
655. C. Ouyang, E. Verbeek, W.M.P. van der Aalst, S. Breutel, M. Dumas, and A.H.M. ter Hofstede. WofBPEL: A Tool for Automated Analysis of BPEL Processes. In B. Benatallah, F. Casati, and P. Traverso, editors, PROCEEDINGS OF SERVICE-ORIENTED COMPUTING (ICSOC 2005), volume 3826 of LECTURE NOTES IN COMPUTER SCIENCE, pages 484–489. Springer-Verlag, Berlin, 2005.
656. P. Wohed, W.M.P. van der Aalst, M. Dumas, A.H.M. ter Hofstede, and N. Russell. Pattern-Based Analysis of the Control-Flow Perspective of UML Activity Diagrams. In L. Delcambre, C. Kop, H.C. Mayr, J. Mylopoulos, and O. Pastor, editors, 24TH INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2005), volume 3716 of LECTURE NOTES IN COMPUTER SCIENCE, pages 63–78. Springer-Verlag, Berlin, 2005.
657. N. Russell, A.H.M. ter Hofstede, D. Edmond, and W.M.P. van der Aalst. Workflow Data Patterns: Identification, Representation and Tool Support. In L. Delcambre, C. Kop, H.C. Mayr, J. Mylopoulos, and O. Pastor, editors, 24TH INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2005), volume 3716 of LECTURE NOTES IN COMPUTER SCIENCE, pages 353–368. Springer-Verlag, Berlin, 2005.
658. W.M.P. van der Aalst, J.B. Jørgensen, and K.B. Lassen. Let's Go All the Way: From Requirements via Colored Workflow Nets to a BPEL Implementation of a New Bank System Paper. In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2005: COOPIS, DOA, AND ODBASE: OTM CONFEDERATED INTERNATIONAL CONFERENCES, COOPIS, DOA, AND ODBASE 2005, volume 3760 of LECTURE NOTES IN COMPUTER SCIENCE, pages 22–39. Springer-Verlag, Berlin, 2005.

659. W.M.P. van der Aalst, H.T. de Beer, and B.F. van Dongen. Process Mining and Verification of Properties: An Approach based on Temporal Logic. In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2005: COOPIS, DOA, AND ODBASE: OTM CONFEDERATED INTERNATIONAL CONFERENCES, COOPIS, DOA, AND ODBASE 2005, volume 3760 of LECTURE NOTES IN COMPUTER SCIENCE, pages 130–147. Springer-Verlag, Berlin, 2005.
660. L. Aldred, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. On the Notion of Coupling in Communication Middleware. In R. Meersman and Z. Tari et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2005: COOPIS, DOA, AND ODBASE: OTM CONFEDERATED INTERNATIONAL CONFERENCES, COOPIS, DOA, AND ODBASE 2005, volume 3761 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1015–1033. Springer-Verlag, Berlin, 2005.
661. N. Mulyar and W.M.P. van der Aalst. Towards a Pattern Language for Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE SIXTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2005), volume 576 of DAIMI, pages 39–48, Aarhus, Denmark, October 2005. University of Aarhus.
662. I. Vanderfeesten, W.M.P. van der Aalst, and H.A. Reijers. Modelling a Product Based Workflow System in CPN tools. In K. Jensen, editor, PROCEEDINGS OF THE SIXTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2005), volume 576 of DAIMI, pages 99–118, Aarhus, Denmark, October 2005. University of Aarhus.
663. M. Pesic and W.M.P. van der Aalst. Modeling Work Distribution Mechanisms Using Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE SIXTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2005), volume 576 of DAIMI, pages 157–176, Aarhus, Denmark, October 2005. University of Aarhus.
664. C.W. Günther and W.M.P. van der Aalst. Modeling the Case Handling Principles with Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE SIXTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2005), volume 576 of DAIMI, pages 211–230, Aarhus, Denmark, October 2005. University of Aarhus.
665. M. Netjes, W.M.P. van der Aalst, and H.A. Reijers. Analysis of Resource-Constrained Processes with Colored Petri Nets. In K. Jensen, editor, PROCEEDINGS OF THE SIXTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2005), volume 576 of DAIMI, pages 251–266, Aarhus, Denmark, October 2005. University of Aarhus.
666. A. Rozinat and W.M.P. van der Aalst. Conformance Testing: Measuring the Fit and Appropriateness of Event Logs and Process Models. In M. Castellanos and T. Weijters, editors, FIRST INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI'05), pages 1–12, Nancy, France, September 2005.
667. A.K. Alves de Medeiros, A.J.M.M. Weijters, and W.M.P. van der Aalst. Genetic Process Mining: A Basic Approach and its Challenges. In M. Castellanos and T. Weijters, editors, FIRST INTERNATIONAL WORKSHOP ON BUSINESS PROCESS INTELLIGENCE (BPI'05), pages 46–57, Nancy, France, September 2005.
668. M. Pesic and W.M.P. van der Aalst. Towards a Reference Model for Work Distribution in Workflow Management Systems. In E. Kindler and M. Nuettgens, editors, FIRST INTERNATIONAL WORKSHOP ON BUSINESS PROCESS REFERENCE MODELS (BPRM'05), pages 30–44, Nancy, France, September 2005.
669. J. Recker, M. Rosemann, W.M.P. van der Aalst, and J. Mendling. On the Syntax of Reference Model Configuration: Transforming the C-EPC into Lawful EPC Models. In E. Kindler and M. Nuettgens, editors, FIRST INTERNATIONAL WORKSHOP ON BUSINESS PROCESS REFERENCE MODELS (BPRM'05), pages 60–75, Nancy, France, September 2005.
670. W.M.P. van der Aalst, A. Dreiling, F. Gottschalk, M. Rosemann, and M.H. Jansen-Vullers. Configurable Process Models as a Basis for Reference Modeling. In E. Kindler and M. Nuettgens, editors, FIRST INTERNATIONAL WORKSHOP ON BUSINESS PROCESS REFERENCE MODELS (BPRM'05), pages 76–82, Nancy, France, September 2005.
671. B.F. van Dongen and W.M.P. van der Aalst. Multi-Phase Mining: Aggregating Instances Graphs into EPCs and Petri Nets. In D. Marinescu, editor, PROCEEDINGS OF THE SECOND INTERNATIONAL WORKSHOP ON APPLICATIONS OF PETRI NETS TO COORDINATION, WORKFLOW AND BUSINESS PROCESS MANAGEMENT, pages 35–58. Florida International University, Miami, Florida, USA, 2005.

672. H.M.W. Verbeek and W.M.P. van der Aalst. Analyzing BPEL Processes using Petri Nets. In D. Marinescu, editor, PROCEEDINGS OF THE SECOND INTERNATIONAL WORKSHOP ON APPLICATIONS OF PETRI NETS TO COORDINATION, WORKFLOW AND BUSINESS PROCESS MANAGEMENT, pages 59–78. Florida International University, Miami, Florida, USA, 2005.
673. W.M.P. van der Aalst, M. Dumas, A.H.M. ter Hofstede, N. Russell, H.M.W. Verbeek, and P. Wohed. Life After BPEL? In M. Bravetti, L. Kloul, and G. Zavattaro, editors, WS-FM 2005, volume 3670 of LECTURE NOTES IN COMPUTER SCIENCE, pages 35–50. Springer-Verlag, Berlin, 2005.
674. W.M.P. van der Aalst. Process Mining in CSCW Systems. In W. Shen and A. James et al., editors, PROCEEDINGS OF THE 9TH IEEE INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED COOPERATIVE WORK IN DESIGN (CSCWD 2005), pages 1–8. Coventry University/IEEE Computer Society Press, 2005.
675. M.T. Wynn, D. Edmond, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Achieving a General, Formal and Decidable Approach to the OR-join in Workflow using Reset nets. In G. Ciardo and P. Darondeau, editors, APPLICATIONS AND THEORY OF PETRI NETS 2005, volume 3536 of LECTURE NOTES IN COMPUTER SCIENCE, pages 423–443. Springer-Verlag, Berlin, 2005.
676. W.M.P. van der Aalst, A.K. Alves de Medeiros, and A.J.M.M. Weijters. Genetic Process Mining. In G. Ciardo and P. Darondeau, editors, APPLICATIONS AND THEORY OF PETRI NETS 2005, volume 3536 of LECTURE NOTES IN COMPUTER SCIENCE, pages 48–69. Springer-Verlag, Berlin, 2005.
677. B.F. van Dongen, A.K. Alves de Medeiros, H.M.W. Verbeek, A.J.M.M. Weijters, and W.M.P. van der Aalst. The ProM framework: A New Era in Process Mining Tool Support. In G. Ciardo and P. Darondeau, editors, APPLICATION AND THEORY OF PETRI NETS 2005, volume 3536 of LECTURE NOTES IN COMPUTER SCIENCE, pages 444–454. Springer-Verlag, Berlin, 2005.
678. N. Russell, W.M.P.van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Workflow Resource Patterns: Identification, Representation and Tool Support. In O. Pastor and J. Falcao e Cunha, editors, PROCEEDINGS OF THE 17TH CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'05), volume 3520 of LECTURE NOTES IN COMPUTER SCIENCE, pages 216–232. Springer-Verlag, Berlin, 2005.
679. B.F. van Dongen, W.M.P. van der Aalst, and H.M.W. Verbeek. Verification of EPCs: Using Reduction Rules and Petri Nets. In O. Pastor and J. Falcão e Cunha, editors, PROCEEDINGS OF THE 17TH CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'05), volume 3520 of LECTURE NOTES IN COMPUTER SCIENCE, pages 372–386. Springer-Verlag, Berlin, 2005.
680. A. Dreiling, M. Rosemann, W.M.P. van der Aalst, W. Sadiq, and S. Khan. Model-driven process configuration of enterprise systems. In O.K. Ferstl, E.J. Sinz, S. Eckert, and T. Isselhorst, editors, WIRTSCHAFTSINFORMATIK 2005. EECONOMY, EGOVERNMENT, ESOCIETY, pages 687–706, Heidelberg, Germany, 2005. Physica-Verlag.
681. M. Adams, A.H.M. ter Hofstede, D. Edmond, and W.M.P. van der Aalst. Facilitating Flexibility and Dynamic Exception Handling in Workflows. In O. Belo, J. Eder, O. Pastor, and J. Falcao e Cunha, editors, PROCEEDINGS OF THE CAISE'05 FORUM, pages 45–50. FEUP, Porto, Portugal, 2005.
682. B.F. van Dongen and W.M.P. van der Aalst. A Meta Model for Process Mining Data. In J. Casto and E. Teniente, editors, PROCEEDINGS OF THE CAISE'05 WORKSHOPS (EMOI-INTEROP WORKSHOP), volume 2, pages 309–320. FEUP, Porto, Portugal, 2005.
683. A.K. Alves de Medeiros, B.F. van Dongen, W.M.P. van der Aalst, and A.J.M.M. Weijters. Process Mining for Ubiquitous Mobile Systems: An Overview and a Concrete Algorithm. In L. Baresi, S. Dustdar, H. Gall, and M. Matera, editors, UBIQUITOUS MOBILE INFORMATION AND COLLABORATION SYSTEMS (UMICS 2004), volume 3272 of LECTURE NOTES IN COMPUTER SCIENCE, pages 154–168. Springer-Verlag, Berlin, 2004.
684. J. Hidders, M. Dumas, W.M.P. van der Aalst, A.H.M. ter Hofstede, and J. Verelst. When Are Two Workflows the Same? In M. Atkinson and F. Dehne, editors, PROCEEDINGS OF COMPUTING: THE 11TH AUSTRALASIAN THEORY SYMPOSIUM (CATS'2005), volume 41 of CONFERENCES IN RESEARCH AND PRACTICE IN INFORMATION TECHNOLOGY, pages 3–11, Newcastle, Australia, February 2005. Australian Computer Society.
685. B.F. van Dongen and W.M.P. van der Aalst. Multi-Phase Process Mining: Building Instance Graphs. In P. Atzeni, W. Chu, H. Lu, S. Zhou, and T.W. Ling, editors, INTERNATIONAL CONFERENCE ON

CONCEPTUAL MODELING (ER 2004), volume 3288 of LECTURE NOTES IN COMPUTER SCIENCE, pages 362–376. Springer-Verlag, Berlin, 2004.
686. E. Liu, A. Kumar, and W.M.P. van der Aalst. A Formal Modeling Approach for Supply Chain Management. In A. Dutta and P. Goes, editors, PROCEEDINGS OF 14TH ANNUAL WORKSHOP ON INFORMATION TECHNOLOGIES AND SYSTEMS (WITS 2004), pages 110–115, Washington, DC, December 2004.
687. W.M.P. van der Aalst and A.K. Alves de Medeiros. Process Mining and Security: Detecting Anomalous Process Executions and Checking Process Conformance. In N. Busi, R. Gorrieri, and F. Martinelli, editors, SECOND INTERNATIONAL WORKSHOP ON SECURITY ISSUES WITH PETRI NETS AND OTHER COMPUTATIONAL MODELS (WISP 2004), pages 69–84. STAR, Servizio Tipografico Area della Ricerca, CNR Pisa, Italy, 2004.
688. B.F. van Dongen and W.M.P. van der Aalst. EMiT: A Process Mining Tool. In J. Cortadella and W. Reisig, editors, APPLICATION AND THEORY OF PETRI NETS 2004, volume 3099 of LECTURE NOTES IN COMPUTER SCIENCE, pages 454–463. Springer-Verlag, Berlin, 2004.
689. W.M.P. van der Aalst. Discovering Coordination Patterns using Process Mining. In L. Bocchi and P. Ciancarini, editors, FIRST INTERNATIONAL WORKSHOP ON COORDINATION AND PETRI NETS (PNC 2004), pages 49–64. STAR, Servizio Tipografico Area della Ricerca, CNR Pisa, Italy, 2004.
690. W.M.P. van der Aalst. Business Alignment: Using Process Mining as a Tool for Delta Analysis. In J. Grundspenkis and M. Kirikova, editors, PROCEEDINGS OF THE 5TH WORKSHOP ON BUSINESS PROCESS MODELING, DEVELOPMENT AND SUPPORT (BPMDS'04), volume 2 of CAISE'04 WORKSHOPS, pages 138–145. Riga Technical University, Latvia, 2004.
691. A.K. Alves de Medeiros, B.F. van Dongen, W.M.P. van der Aalst, and A.J.M.M. Weijters. Process Mining for Ubiquitous Mobile Systems: An Overview and a Concrete Algorithm. In L. Baresi, S. Dustdar, H. Gall, and M. Matera, editors, UBIQUITOUS MOBILE INFORMATION AND COLLABORATION SYSTEMS (UMICS 2004), pages 156–170, 2004.
692. W.M.P. van der Aalst and M. Song. Mining Social Networks: Uncovering Interaction Patterns in Business Processes. In J. Desel, B. Pernici, and M. Weske, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2004), volume 3080 of LECTURE NOTES IN COMPUTER SCIENCE, pages 244–260. Springer-Verlag, Berlin, 2004.
693. W.M.P. van der Aalst, L. Aldred, M. Dumas, and A.H.M. ter Hofstede. Design and Implementation of the YAWL System. In A. Persson and J. Stirna, editors, ADVANCED INFORMATION SYSTEMS ENGINEERING, PROCEEDINGS OF THE 16TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'04), volume 3084 of LECTURE NOTES IN COMPUTER SCIENCE, pages 142–159. Springer-Verlag, Berlin, 2004.
694. M. Song, W.M.P. van der Aalst, I. Choi, and M. Song. Mining Social Networks for Business Process Logs (in Korean). In SPRING CONFERENCE ON INDUSTRIAL ENGINEERING AND MANAGEMENT SCIENCE. Chonbook University, Korea, 2004.
695. A.K. Alves de Medeiros, W.M.P. van der Aalst, and A.J.M.M. Weijters. Workflow Mining: Current Status and Future Directions. In R. Meersman, Z. Tari, and D.C. Schmidt, editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2003: COOPIS, DOA, AND ODBASE, volume 2888 of LECTURE NOTES IN COMPUTER SCIENCE, pages 389–406. Springer-Verlag, Berlin, 2003.
696. P. Wohed, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. Analysis of Web Services Composition Languages: The Case of BPEL4WS. In I.Y. Song, S.W. Liddle, T.W. Ling, and P. Scheuermann, editors, 22ND INTERNATIONAL CONFERENCE ON CONCEPTUAL MODELING (ER 2003), volume 2813 of LECTURE NOTES IN COMPUTER SCIENCE, pages 200–215. Springer-Verlag, Berlin, 2003.
697. W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. Web Service Composition Languages: Old Wine in New Bottles? In G. Chroust and C. Hofer, editors, PROCEEDING OF THE 29TH EUROMICRO CONFERENCE: NEW WAVES IN SYSTEM ARCHITECTURE, pages 298–305. IEEE Computer Society, Los Alamitos, CA, 2003.
698. W.M.P. van der Aalst, A.H.M. ter Hofstede, and M. Weske. Business Process Management: A Survey. In W.M.P. van der Aalst, A.H.M. ter Hofstede, and M. Weske, editors, INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2003), volume 2678 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–12. Springer-Verlag, Berlin, 2003.

699. W.M.P. van der Aalst, A. Kumar, and H.M.W. Verbeek. Organizational Modeling in UML and XML in the Context of Workflow Systems. In H. Haddad and G. Papadopoulos, editors, PROCEEDINGS OF THE 18TH ANNUAL ACM SYMPOSIUM ON APPLIED COMPUTING (SAC 2003), pages 603–608. ACM Press, 2003.
700. W.M.P. van der Aalst, J. Desel, and E. Kindler. On the Semantics of EPCs: A Vicious Circle. In M. Nüttgens and F.J. Rump, editors, PROCEEDINGS OF THE EPK 2002: BUSINESS PROCESS MANAGEMENT USING EPCS, pages 71–80, Trier, Germany, November 2002. Gesellschaft für Informatik, Bonn.
701. L. Maruster, W.M.P. van der Aalst, A.J.M.M. Weijters, A. van den Bosch, and W. Daelemans. Automated Discovery of Workflow Models from Hospital Data. In C. Dousson, F. Höppner, and R. Quiniou, editors, PROCEEDINGS OF THE ECAI WORKSHOP ON KNOWLEDGE DISCOVERY AND SPATIAL DATA, pages 32–36, 2002.
702. A.J.M.M. Weijters and W.M.P. van der Aalst. Workflow Mining: Discovering Workflow Models from Event-Based Data. In C. Dousson, F. Höppner, and R. Quiniou, editors, PROCEEDINGS OF THE ECAI WORKSHOP ON KNOWLEDGE DISCOVERY AND SPATIAL DATA, pages 78–84, 2002.
703. L. Maruster, J.C. Wortmann, A.J.M.M. Weijters, and W.M.P. van der Aalst. Discovering Distributed Processes in Supply Chains. In H. Jagdev, H. Wortmann, H.J. Pels, and A. Hirnschall, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ADVANCED PRODUCTION MANAGEMENT SYSTEMS (APMS 2002), pages 119–128, 2002.
704. L. Maruster, A.J.M.M. Weijters, W.M.P. van der Aalst, and A. van den Bosch. Process Mining: Discovering Direct Successors in Process Logs. In PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON DISCOVERY SCIENCE (DISCOVERY SCIENCE 2002), volume 2534 of LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, pages 364–373. Springer-Verlag, Berlin, 2002.
705. W.M.P. van der Aalst and B.F. van Dongen. Discovering Workflow Performance Models from Timed Logs. In Y. Han, S. Tai, and D. Wikarski, editors, INTERNATIONAL CONFERENCE ON ENGINEERING AND DEPLOYMENT OF COOPERATIVE INFORMATION SYSTEMS (EDCIS 2002), volume 2480 of LECTURE NOTES IN COMPUTER SCIENCE, pages 45–63. Springer-Verlag, Berlin, 2002.
706. W.M.P. van der Aalst and A.H.M. ter Hofstede. Workflow Patterns: On the Expressive Power of (Petri-net-based) Workflow Languages. In K. Jensen, editor, PROCEEDINGS OF THE FOURTH WORKSHOP ON THE PRACTICAL USE OF COLOURED PETRI NETS AND CPN TOOLS (CPN 2002), volume 560 of DAIMI, pages 1–20, Aarhus, Denmark, August 2002. University of Aarhus.
707. W.M.P. van der Aalst. Inheritance of Dynamic Behaviour in UML. In D. Moldt, editor, PROCEEDINGS OF THE SECOND WORKSHOP ON MODELLING OF OBJECTS, COMPONENTS AND AGENTS (MOCA 2002), volume 561 of DAIMI, pages 105–120, Aarhus, Denmark, August 2002. University of Aarhus.
708. A.J.M.M. Weijters and W.M.P. van der Aalst. Rediscovering Workflow Models from Event-Based Data. In PROCEEDINGS OF THE THIRD INTERNATIONAL NAISO SYMPOSIUM ON ENGINEERING OF INTELLIGENT SYSTEMS (EIS 2002), pages 65–65. NAISO Academic Press, Sliedrecht, The Netherlands, 2002. Full paper on CD-rom proceedings.
709. J.W.F. Wamelink, M. Stoffele, and W.M.P. van der Aalst. Workflow Management in Construction: Opportunities for the Future. In K. Agger, P. Christiansson, and R. Howard, editors, PROCEEDINGS OF CIB W78 CONFERENCE 2002: DISTRIBUTING KNOWLEDGE IN BUILDING, pages 115–122, Aarhus, Denmark, 2002. International Council for Research and Innovation in Building and Construction, Rotterdam, The Netherlands.
710. W.M.P. van der Aalst, A. Hirnschall, and H.M.W. Verbeek. An Alternative Way to Analyze Workflow Graphs. In A. Banks-Pidduck, J. Mylopoulos, C.C. Woo, and M.T. Ozsu, editors, PROCEEDINGS OF THE 14TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'02), volume 2348 of LECTURE NOTES IN COMPUTER SCIENCE, pages 535–552. Springer-Verlag, Berlin, 2002.
711. W.M.P. van der Aalst. Making Work Flow: On the Application of Petri nets to Business Process Management. In J. Esparza and C. Lakos, editors, APPLICATION AND THEORY OF PETRI NETS 2002, volume 2360 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–22. Springer-Verlag, Berlin, 2002.
712. H.M.W. Verbeek, A. Hirnschall, and W.M.P. van der Aalst. XRL/Flower: Supporting Interorganizational Workflows using XRL/Petri-net Technology. In C. Bussler, R. Hull, S. McIlraith, M. Orlowska, B. Pernici, and J. Yang, editors, WEB SERVICES, E-BUSINESS, AND THE SEMANTIC WEB, CAISE 2002 INTERNATIONAL

WORKSHOP (WES 2002), volume 2512 of LECTURE NOTES IN COMPUTER SCIENCE, pages 93–108. Springer-Verlag, Berlin, 2002.
713. A.J.M.M. Weijters and W.M.P. van der Aalst. Rediscovering Workflow Models from Event-Based Data. In V. Hoste and G. de Pauw, editors, PROCEEDINGS OF THE 11TH DUTCH-BELGIAN CONFERENCE ON MACHINE LEARNING (BENELEARN 2001), pages 93–100, 2001.
714. W.M.P. van der Aalst, H.M.W. Verbeek, and A. Kumar. XRL/Woflan: Verification of an XML/Petri-net based language for inter-organizational workflows (Best paper award). In K. Altinkemer and K. Chari, editors, PROCEEDINGS OF THE 6TH INFORMS CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGY (CIST-2001), pages 30–45. Informs, Linthicum, MD, 2001.
715. A.J.M.M. Weijters and W.M.P. van der Aalst. Process Mining: Discovering Workflow Models from Event-Based Data. In B. Kröse, M. de Rijke, G. Schreiber, and M. van Someren, editors, PROCEEDINGS OF THE 13TH BELGIUM-NETHERLANDS CONFERENCE ON ARTIFICIAL INTELLIGENCE (BNAIC 2001), pages 283–290, 2001.
716. L. Maruster, W.M.P. van der Aalst, A.J.M.M. Weijters, A. van den Bosch, and W. Daelemans. Automated Discovery of Workflow Models from Hospital Data. In B. Kröse, M. de Rijke, G. Schreiber, and M. van Someren, editors, PROCEEDINGS OF THE 13TH BELGIUM-NETHERLANDS CONFERENCE ON ARTIFICIAL INTELLIGENCE (BNAIC 2001), pages 183–190, 2001.
717. W.M.P. van der Aalst and P.J.S. Berens. Beyond Workflow Management: Product-Driven Case Handling. In S. Ellis, T. Rodden, and I. Zigurs, editors, INTERNATIONAL ACM SIGGROUP CONFERENCE ON SUPPORTING GROUP WORK (GROUP 2001), pages 42–51. ACM Press, New York, 2001.
718. W.M.P. van der Aalst, H.M.W. Verbeek, and A. Kumar. Verification of XRL: An XML-based Workflow Language. In W. Shen, Z. Lin, J.P. Barthes, and M. Kamel, editors, PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON CSCW IN DESIGN, pages 427–432. NRC Research Press, Ottawa, Canada, 2001.
719. W.M.P. van der Aalst, H.A. Reijers, and S. Limam. Product-driven Workflow Design. In W. Shen, Z. Lin, J.P. Barthes, and M. Kamel, editors, PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON CSCW IN DESIGN, pages 397–402. NRC Research Press, Ottawa, Canada, 2001.
720. W.M.P. van der Aalst and T. Basten. Identifying Commonalities and Differences in Object Life Cycles using Behavioral Inheritance. In J.M. Colom and M. Koutny, editors, APPLICATION AND THEORY OF PETRI NETS 2001, volume 2075 of LECTURE NOTES IN COMPUTER SCIENCE, pages 32–52. Springer-Verlag, Berlin, 2001.
721. W.M.P. van der Aalst and M. Weske. The P2P approach to Interorganizational Workflows. In K.R. Dittrich, A. Geppert, and M.C. Norrie, editors, PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING (CAISE'01), volume 2068 of LECTURE NOTES IN COMPUTER SCIENCE, pages 140–156. Springer-Verlag, Berlin, 2001.
722. W.M.P. van der Aalst, A.P. Barros, A.H.M. ter Hofstede, and B. Kiepuszewski. Advanced Workflow Patterns. In O. Etzion and P. Scheuermann, editors, 7TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2000), volume 1901 of LECTURE NOTES IN COMPUTER SCIENCE, pages 18–29. Springer-Verlag, Berlin, 2000.
723. W.M.P. van der Aalst, P. Barthelmess, C.A. Ellis, and J. Wainer. Workflow Modeling using Proclets. In O. Etzion and P. Scheuermann, editors, 7TH INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS 2000), volume 1901 of LECTURE NOTES IN COMPUTER SCIENCE, pages 198–209. Springer-Verlag, Berlin, 2000.
724. H.M.W. Verbeek and W.M.P. van der Aalst. Woflan 2.0: A Petri-net-based Workflow Diagnosis Tool. In M. Nielsen and D. Simpson, editors, APPLICATION AND THEORY OF PETRI NETS 2000, volume 1825 of LECTURE NOTES IN COMPUTER SCIENCE, pages 475–484. Springer-Verlag, Berlin, 2000.
725. W.M.P. van der Aalst, P. de Crom, R. Goverde, K.M. van Hee, W. Hofman, H. Reijers, and R.A. van der Toorn. ExSpect 6.4: An Executable Specification Tool for Hierarchical Colored Petri Nets. In M. Nielsen and D. Simpson, editors, APPLICATION AND THEORY OF PETRI NETS 2000, volume 1825 of LECTURE NOTES IN COMPUTER SCIENCE, pages 455–464. Springer-Verlag, Berlin, 2000.
726. W.M.P. van der Aalst. Inheritance of Business Processes: Four Problems - One Solution. In H. Weber, H. Ehrig, and W. Reisig, editors, PROCEEDINGS OF THE COLLOQUIUM ON PETRI NET TECHNOLOGIES

FOR MODELLING COMMUNICATION BASED SYSTEMS, pages 1–28, Berlin, Germany, October 1999. Fraunhofer-Institute for Software and Systems Engineering (ISST).
727. W.M.P. van der Aalst, D. Moldt, and F. Wienberg. Enacting Interorganizational Workflows using Nets in Nets. In J. Becker, M zur Mühlen, and M. Rosemann, editors, PROCEEDINGS OF THE 1999 WORKFLOW MANAGEMENT CONFERENCE, volume 70 of WORKING PAPER SERIES OF THE DEPARTMENT OF INFORMATION SYSTEMS, pages 117–136, Muenster, Germany, November 1999. University of Muenster.
728. W.M.P. van der Aalst. Generic Workflow Models: How to Handle Dynamic Change and Capture Management Information. In M. Lenzerini and U. Dayal, editors, PROCEEDINGS OF THE FOURTH IFCIS INTERNATIONAL CONFERENCE ON COOPERATIVE INFORMATION SYSTEMS (COOPIS'99), pages 115–126, Edinburgh, Scotland, September 1999. IEEE Computer Society Press.
729. W.M.P. van der Aalst. Flexible Workflow Management Systems: An Approach Based on Generic Process Models. In T. Bench-Capon, G. Soda, and A. Min-Tjoa, editors, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON DATABASE AND EXPERT SYSTEMS APPLICATIONS (DEXA'99), volume 1677 of LECTURE NOTES IN COMPUTER SCIENCE, pages 186–195. Springer-Verlag, Berlin, 1999.
730. W.M.P. van der Aalst, T. Basten, H.M.W. Verbeek, P.A.C. Verkoulen, and M. Voorhoeve. Adaptive Workflow: An Approach Based on Inheritance. In M. Ibrahim and B. Drabble, editors, PROCEEDINGS OF THE IJCAI'99 WORKSHOP ON INTELLIGENT WORKFLOW AND PROCESS MANAGEMENT: THE NEW FRONTIER FOR AI IN BUSINESS, pages 36–45, Stockholm, Sweden, August 1999.
731. W.M.P. van der Aalst and K. Anyanwu. Inheritance of Interorganizational Workflows to Enable Business-to-Business E-commerce. In A. Dognac, E. van Heck, T. Saarinnen, and et al., editors, PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND ELECTRONIC COMMERCE (ICTEC'99), pages 141–157, Nashville, Tennessee, October 1999.
732. H.A. Reijers and W.M.P. van der Aalst. Short-Term Simulation: Bridging the Gap between Operational Control and Strategic Decision Making. In M.H. Hamza, editor, PROCEEDINGS OF THE IASTED INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION, pages 417–421. IASTED/Acta Press, Anaheim, USA, 1999.
733. W.M.P. van der Aalst, T. Basten, H.M.W. Verbeek, P.A.C. Verkoulen, and M. Voorhoeve. Adaptive Workflow: On the Interplay between Flexibility and Support. In J. 3 and J. Cordeiro, editors, PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS, volume 2, pages 353–360, Setúbal, Portugal, March 1999.
734. W.M.P. van der Aalst. Interorganizational Workflows. In G. Jacucci, editor, PROCEEDINGS OF PROLAMAT'98, pages 2.1–43, Trento, Sept 1998. IFIP Transactions.
735. W.M.P. van der Aalst. Parallel Computation of Reachable Dead States in a Free-choice Petri Net. In A. Tentner, editor, HIGH PERFORMANCE COMPUTING 1998, pages 425–432, Boston, June 1998. Society of Computer Simulation (SCS).
736. B.R.T.M. Witlox, P. van der Wolf, E.H.L. Aarts, and W.M.P. van der Aalst. Performance Analysis of Dataflow Architectures Using Timed Coloured Petri Nets. In A. Yakovlev and L. Gomes, editors, PROCEEDINGS OF THE WORKSHOP ON HARDWARE DESIGN AND PETRI NETS (HWPN'98), pages 168–185, Lisbon, Portugal, 1998.
737. W.M.P. van der Aalst. Finding Errors in the Design of a Workflow Process: A Petri-net-based Approach. In W.M.P. van der Aalst, G. De Michelis, and C.A. Ellis, editors, PROCEEDINGS OF WORKFLOW MANAGEMENT: NET-BASED CONCEPTS, MODELS, TECHNIQUES AND TOOLS (WFM'98), volume 98/7 of COMPUTING SCIENCE REPORTS, pages 60–81, Lisbon, Portugal, 1998. Eindhoven University of Technology, Eindhoven.
738. W.M.P. van der Aalst. Modeling and Analyzing Interorganizational Workflows. In L. Lavagno and W. Reisig, editors, PROCEEDINGS OF THE 1998 INTERNATIONAL CONFERENCE ON APPLICATION OF CONCURRENCY TO SYSTEM DESIGN (CSD'98), pages 262–272, Fukushima, Japan, March 1998. IEEE Computer Society Press.
739. W.M.P. van der Aalst, D. Hauschildt, and H.M.W. Verbeek. A Petri-net-based Tool to Analyze Workflows. In B. Farwer, D. Moldt, and M.O. Stehr, editors, PROCEEDINGS OF PETRI NETS IN SYSTEM ENGINEERING (PNSE'97), pages 78–90, Hamburg, Germany, September 1997. University of Hamburg (FBI-HH-B-205/97).
740. M. Voorhoeve and W.M.P. van der Aalst. Ad-hoc Workflow: Problems and Solutions. In R. Wagner, editor, PROCEEDINGS OF THE 8TH DEXA INTERNATIONAL WORKSHOP ON DATABASE AND EXPERT SYSTEMS

APPLICATIONS, pages 36–40, Toulouse, France, September 1997. IEEE Computer Society Press, Los Alamitos, California, 1997.
741. W.M.P. van der Aalst. Designing workflows based on product structures. In K. Li, S. Olariu, Y. Pan, and I. Stojmenovic, editors, PROCEEDINGS OF THE NINTH IASTED INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED COMPUTING SYSTEMS, pages 337–342. IASTED/Acta Press, Anaheim, 1997.
742. W.M.P. van der Aalst and T. Basten. Life-cycle Inheritance: A Petri-net-based Approach. In P. Azéma and G. Balbo, editors, APPLICATION AND THEORY OF PETRI NETS 1997, volume 1248 of LECTURE NOTES IN COMPUTER SCIENCE, pages 62–81. Springer-Verlag, Berlin, 1997.
743. W.M.P. van der Aalst. Verification of Workflow Nets. In P. Azéma and G. Balbo, editors, APPLICATION AND THEORY OF PETRI NETS 1997, volume 1248 of LECTURE NOTES IN COMPUTER SCIENCE, pages 407–426. Springer-Verlag, Berlin, 1997.
744. M. Voorhoeve and W.M.P. van der Aalst. Conservative Adaption of Workflow. In M. Wolf and U. Reimer, editors, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PRACTICAL ASPECTS OF KNOWLEDGE MANAGEMENT (PAKM'96), WORKSHOP ON ADAPTIVE WORKFLOW, pages 1–15, Basel, Switzerland, October 1996.
745. W.M.P. van der Aalst. Three Good Reasons for Using a Petri-net-based Workflow Management System. In S. Navathe and T. Wakayama, editors, PROCEEDINGS OF THE INTERNATIONAL WORKING CONFERENCE ON INFORMATION AND PROCESS INTEGRATION IN ENTERPRISES (IPIC'96), pages 179–201, Camebridge, Massachusetts, Nov 1996.
746. W.M.P. van der Aalst. Petri-net-based Workflow Management Software. In A. Sheth, editor, PROCEEDINGS OF THE NSF WORKSHOP ON WORKFLOW AND PROCESS AUTOMATION IN INFORMATION SYSTEMS, pages 114–118, Athens, Georgia, May 1996.
747. W.M.P. van der Aalst and K.M. van Hee. Framework for Business Process Redesign. In J.R. Callahan, editor, PROCEEDINGS OF THE FOURTH WORKSHOP ON ENABLING TECHNOLOGIES: INFRASTRUCTURE FOR COLLABORATIVE ENTERPRISES (WETICE 95), pages 36–45, Berkeley Springs, April 1995. IEEE Computer Society Press.
748. W.M.P. van der Aalst. Modelling and analysis of production systems using a Petri net based approach. In T.O. Boucher, M.A. Jafari, and E.A. Elsayed, editors, PROCEEDINGS OF THE CONFERENCE ON COMPUTER INTEGRATED MANUFACTURING IN THE PROCESS INDUSTRIES, pages 179–193, East Brunswick, USA, 1994.
749. W.M.P. van der Aalst and K.M. van Hee. Integrated systems modelling: an object oriented approach. In E. Dubois, P. Hartel, and G. Saake, editors, PROCEEDINGS OF THE WORKSHOP ON FORMAL METHODS FOR INFORMATION SYSTEM DYNAMICS, volume 94-33 of MEMORANDA INFORMATICA, pages 1–12, University of Twente, the Netherlands, 1994.
750. W.M.P. van der Aalst, K.M. van Hee, and G.J. Houben. Modelling workflow management systems with high-level Petri nets. In G. De Michelis, C. Ellis, and G. Memmi, editors, PROCEEDINGS OF THE SECOND WORKSHOP ON COMPUTER-SUPPORTED COOPERATIVE WORK, PETRI NETS AND RELATED FORMALISMS, pages 31–50, 1994.
751. M.A. Odijk and W.M.P. van der Aalst. A Petri net based simulation tool to evaluate the performance of railway stations. In A. Guasch and M. Huber, editors, PROCEEDINGS OF THE 1994 EUROPEAN SIMULATION MULTICONFERENCE, pages 207–211, Barcelona, June 1994. Society of Computer Simulation (SCS).
752. W.M.P. van der Aalst. Using Interval Timed Coloured Petri Nets to Calculate Performance Bounds. In G. Haring and G. Kotsis, editors, PROCEEDINGS OF THE 7TH INTERNATIONAL CONFERENCE OF MODELLING TECHNIQUES AND TOOLS FOR COMPUTER PERFORMANCE EVALUATION, volume 794 of LECTURE NOTES IN COMPUTER SCIENCE, pages 425–444. Springer-Verlag, Berlin, 1994.
753. W.M.P. van der Aalst. Interval Timed Coloured Petri Nets and their Analysis. In M. Ajmone Marsan, editor, APPLICATION AND THEORY OF PETRI NETS 1993, volume 691 of LECTURE NOTES IN COMPUTER SCIENCE, pages 453–472. Springer-Verlag, Berlin, 1993.
754. W.M.P. van der Aalst. Logistics: a Systems Oriented Approach. In PROCEEDINGS OF THE THIRD INTERNATIONAL WORKING CONFERENCE ON DYNAMIC MODELLING OF INFORMATION SYSTEMS, pages 169–189, Noordwijkerhout, the Netherlands, June 1992.

755. W.M.P. van der Aalst. Modelling and Analysis of Complex Logistic Systems. In PROCEEDINGS OF THE IFIP WG 5.7 WORKING CONFERENCE ON INTEGRATION IN PRODUCTION MANAGEMENT SYSTEMS, pages 203–218, Eindhoven, the Netherlands, 1992.
756. W.M.P. van der Aalst and A.W. Waltmans. Modelling logistic systems with EXSPECT. In H.G. Sol and K.M. van Hee, editors, DYNAMIC MODELLING OF INFORMATION SYSTEMS, pages 269–288. Elsevier Science Publishers, Amsterdam, 1991.
757. W.M.P. van der Aalst and A.W. Waltmans. Modelling Flexible Manufacturing Systems with EXSPECT. In B. Schmidt, editor, PROCEEDINGS OF THE 1990 EUROPEAN SIMULATION MULTICONFERENCE, pages 330–338, Nürnberg, June 1990. Simulation Councils Inc.
758. W.M.P. van der Aalst, M. Voorhoeve, and A.W. Waltmans. The TASTE project. In PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON APPLICATIONS AND THEORY OF PETRI NETS, pages 371–372, Bonn, June 1989.

BOOK CHAPTERS

1. T. Brockhoff, M.S. Uysal, A.F. Ghahfarokhi, L. Reinsch, T. Kordtokrax, A. Meister, F. Schuette, T. Vural, M. Pourbafrani, T. Gries, and W.M.P. van der Aalst. Process Mining in Textile Production: Insights from Penn Textile Solutions. In J. vom Brocke, J. Mendling, and M. Rosemann, editors, BUSINESS PROCESS MANAGEMENT CASES VOLUME 2, DIGITAL TRANSFORMATION - STRATEGY, PROCESSES AND EXECUTION, pages 87–103. Springer-Verlag, Berlin, 2025.
2. W.M.P. van der Aalst. How Object-Centric Process Mining Helps to Unleash Predictive and Generative AI. In L. Reinkemeyer, editor, PROCESS INTELLIGENCE IN ACTION: TAKING PROCESS MINING TO THE NEXT LEVEL, pages 219–232. Springer-Verlag, Berlin, 2024.
3. C. Brecher, M. Padberg, M. Jarke, W.M.P. van der Aalst, and G. Schuh. The Internet of Production: Interdisciplinary Visions and Concepts for the Production of Tomorrow. In C. Brecher, G. Schuh, W.M.P. van der Aalst, M. Jarke, F. Piller, and M. Padberg, editors, INTERNET OF PRODUCTION: FUNDAMENTALS, METHODS, AND APPLICATIONS, pages 3–14. Springer-Verlag, Berlin, 2023.
4. W.M.P. van der Aalst, M. Jarke, I. Koren, and C. Quix. Digital Shadows: Infrastructuring the Internet of Production. In C. Brecher, G. Schuh, W.M.P. van der Aalst, M. Jarke, F. Piller, and M. Padberg, editors, INTERNET OF PRODUCTION: FUNDAMENTALS, METHODS, AND APPLICATIONS, pages 17–33. Springer-Verlag, Berlin, 2023.
5. M. Behery, P. Brauner, H. Zhou, M.S. Uysal, V. Samsonov, M. Bellgardt, F. Brillowski, T. Brockhoff, A.F. Ghahfarokhi, L. Gleim, L. Gorissen, M. Grochowski, T. Henn, E. Iacomini, T. Kaster, I. Koren, M. Liebenberg, L. Reinsch, L. Tirpitz, M. Trinh, A. Posada-Moreno, L. Liehner, T. Schemmer, L. Vervier, M. Völker, P. Walderich, S. Zhang, C. Brecher, R. Schmitt, S. Decker, T. Gries, C. Häfner, M. Herty, M. Jarke, S. Kowalewski, T. Kuhlen, J. Schleifenbaum, S. Trimpe, W.M.P. van der Aalst, M. Ziefle, and G. Lakemeyer. Actionable Artificial Intelligence for the Future of Production. In C. Brecher, G. Schuh, W.M.P. van der Aalst, M. Jarke, F. Piller, and M. Padberg, editors, INTERNET OF PRODUCTION: FUNDAMENTALS, METHODS, AND APPLICATIONS, pages 91–136. Springer-Verlag, Berlin, 2023.
6. R. Schmitt, R. Kiesel, D. Buschmann, S. Cramer, C. Enslin, M. Fischer, T. Gries, C. Hopmann, L. Huebser, T. Janke, M. Kemmerling, K. Müller, L. Pelzer, M. Perau, M. Pourbafrani, V. Samsonov, P. Schlegel, M. Schopen, G. Schuh, T. Schulze, and W.M.P. van der Aalst. Improving Shop Floor-Near Production Management Through Data-Driven Insights. In C. Brecher, G. Schuh, W.M.P. van der Aalst, M. Jarke, F. Piller, and M. Padberg, editors, INTERNET OF PRODUCTION: FUNDAMENTALS, METHODS, AND APPLICATIONS, pages 367–390. Springer-Verlag, Berlin, 2023.
7. W.M.P. van der Aalst. Process Mining: A 360 Degrees Overview. In W.M.P. van der Aalst and J. Carmona, editors, PROCESS MINING HANDBOOK, volume 448 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 3–34. Springer-Verlag, Berlin, 2022.
8. W.M.P. van der Aalst. Foundations of Process Discovery. In W.M.P. van der Aalst and J. Carmona, editors, PROCESS MINING HANDBOOK, volume 448 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 37–75. Springer-Verlag, Berlin, 2022.

9. W.M.P. van der Aalst and J. Carmona. Scaling Process Mining to Turn Insights Into Actions. In W.M.P. van der Aalst and J. Carmona, editors, PROCESS MINING HANDBOOK, volume 448 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 495–502. Springer-Verlag, Berlin, 2022.
10. E.G.L. de Murillas, H.A. Reijers, and W.M.P. van der Aalst. Data-Aware Process Oriented Query Language. In A. Polyvyanyy, editor, PROCESS QUERYING METHODS, pages 49–83. Springer-Verlag, Berlin, 2022.
11. W.M.P. van der Aalst. Process mining and RPA: How to pick your automation battles? In C. Czarnecki and P. Fettke, editors, ROBOTIC PROCESS AUTOMATION: MANAGEMENT, TECHNOLOGY, APPLICATIONS, pages 223–242. De Gruyter STEM, 2021.
12. W.M.P. van der Aalst. Development of the Process Mining Discipline. In L. Reinkemeyer, editor, PROCESS MINING IN ACTION: PRINCIPLES, USE CASES AND OUTLOOK, pages 181–196. Springer-Verlag, Berlin, 2020.
13. W.M.P. van der Aalst. The Data Science Revolution: How Learning Machines Changed the Way We Work and Do Business. In L. Strous, R. Johnson, D. Grier, and D. Swade, editors, UNIMAGINED FUTURES: ICT OPPORTUNITIES AND CHALLENGES, volume 555 of IFIP ADVANCES IN INFORMATION AND COMMUNICATION TECHNOLOGY, pages 5–19. Springer-Verlag, Berlin, 2020.
14. A. Artale, D. Calvanese, M. Montali, and W.M.P. van der Aalst. Enriching Data Models with Behavioral Constraints. In S. Borgo, editor, ONTOLOGY MAKES SENSE (ESSAYS IN HONOR OF NICOLA GUARINO), pages 257–277. IOS Press, 2019.
15. S. Mann, J. Pennekamp, T. Brockhoff, A. Farhang, M. Pourbafrani, L. Oster, M.S. Uysal, R. Sharma, U. Reisgen, K. Wehrle, and W.M.P. van der Aalst. Connected, Digitalized Welding Production—Secure, Ubiquitous Utilization of Data Across Process Layers. In L.F.M. da Silva, P.A.F. Martins, and M.S. El-Zein, editors, ADVANCED JOINING PROCESSES, volume 125 of ADVANCED STRUCTURED MATERIALS, pages 101–108. Springer-Verlag, Berlin, 2020.
16. W.M.P. van der Aalst. Structuring Behavior or Not, That is the Question. In K. Bergener, M. Rackers, and A. Stein, editors, THE ART OF STRUCTURING, BRIDGING THE GAP BETWEEN INFORMATION SYSTEMS RESEARCH AND PRACTICE, pages 221–226. Springer-Verlag, Berlin, 2019.
17. W.M.P. van der Aalst. Workflow Patterns. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
18. W.M.P. van der Aalst. Business Process Management. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
19. W.M.P. van der Aalst. Business Process Execution Language. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
20. W.M.P. van der Aalst. Business Process Modeling Notation. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
21. W.M.P. van der Aalst. Process Mining. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
22. W.M.P. van der Aalst. Workflow Model Analysis. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
23. W.M.P. van der Aalst. Composition. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
24. W.M.P. van der Aalst. Choreography. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
25. W.M.P. van der Aalst. Coordination. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
26. W.M.P. van der Aalst. Orchestration. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
27. W.M.P. van der Aalst. Petri Nets. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS. Springer-Verlag, Berlin, 2018.
28. W.M.P. van der Aalst. Desire Lines in Big Data. In R. Alhajj and J. Rokne, editors, ENCYCLOPEDIA OF SOCIAL NETWORK ANALYSIS AND MINING. Springer-Verlag, Berlin, 2018.
29. W.M.P. van der Aalst. Responsible Data Science: Using Big Data in a “People Friendly” Manner. In S. Hammoudi, L. Maciaszek, M. Missikoff, O. Camp, and J. Cordiero, editors, ENTERPRISE INFORMATION

SYSTEMS, volume 291 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 3–28. Springer-Verlag, Berlin, 2017.
30. W.M.P. van der Aalst. Discovering Petri Nets: A Personal Journey. In W. Reisig and G. Rozenberg, editors, CARL ADAM PETRI: HIS IDEAS, PERSONALITY, AND IMPACT: PERSONAL STORIES, pages 3–9. Springer-Verlag, Berlin, 2019.
31. P. Harmon, R. Tregear, W.M.P. van der Aalst, and et al. QUESTIONING BPM: 109 ANSWERS BY 33 AUTHORS TO 15 QUESTIONS ABOUT BUSINESS PROCESS MANAGEMENT. Meghan-Kiffer Press, Tampa, USA, 2016.
32. W.M.P. van der Aalst. Viewing the Internet of Events through a Process Lens. In L. Fischer, editor, BPM EVERYWHERE, pages 213–224. Future Strategies, Lighthouse Point, Florida, 2015.
33. W.M.P. van der Aalst. Business Process Simulation Survival Guide. In J. vom Brocke and M. Rosemann, editors, HANDBOOK ON BUSINESS PROCESS MANAGEMENT 1, International Handbooks on Information Systems, pages 337–370. Springer-Verlag, Berlin, 2015.
34. C. Stahl and W.M.P. van der Aalst. Behavioral Service Substitution. In A. Bouguettaya, Q. Sheng, and F. Daniel, editors, WEB SERVICES FOUNDATIONS, pages 215–244. Springer-Verlag, Berlin, 2014.
35. T. Basten, M. Hendrix, N. Trcka, L. Somers, M. Geilen, Y. Yang, H. Corporaal, G. Igna, F. Vaandrager, S. de Smet, M. Voorhoeve, and W.M.P. van der Aalst. Chapter 7: Model-Driven Design-Space Exploration for Software-Intensive Embedded Systems. In MODEL-BASED DESIGN OF ADAPTIVE EMBEDDED SYSTEMS, pages 189–244. Springer-Verlag, Berlin, 2013.
36. N. Trcka, M. Pechenizkiy, and W.M.P. van der Aalst. Chapter 9: Process Mining from Educational Data. In C. Romero, S. Ventura, M. Pechenizkiy, and R. Baker, editors, HANDBOOK OF EDUCATIONAL DATA MINING, Data Mining and Knowledge Discovery Series, pages 123–142. Taylor and Francis, 2010.
37. W.M.P. van der Aalst, M. Adams, A.H.M. ter Hofstede, and N. Russell. Chapter 1: Introduction. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 3–19. Springer-Verlag, Berlin, 2010.
38. M. Wynn, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Chapter 3: Advanced Synchronization. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 103–119. Springer-Verlag, Berlin, 2010.
39. M. Pesic, H. Schonenberg, and W.M.P. van der Aalst. Chapter 6: Declarative Workflow. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 175–201. Springer-Verlag, Berlin, 2010.
40. M. Pesic, H. Schonenberg, and W.M.P. van der Aalst. Chapter 12: The Declare Service. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 327–343. Springer-Verlag, Berlin, 2010.
41. M. Wynn, A. Rozinat, W.M.P. van der Aalst, A.H.M. ter Hofstede, and C. Fidge. Chapter 17: Process Mining and Simulation. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 437–457. Springer-Verlag, Berlin, 2010.
42. R. Mans, W.M.P. van der Aalst, N. Russell, A. Moleman, P. Bakker, and M. Jaspers. Chapter 21: YAWL4Healthcare. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 543–565. Springer-Verlag, Berlin, 2010.
43. W.M.P. van der Aalst, M. Adams, A.H.M. ter Hofstede, and N. Russell. Chapter 23: Epilogue. In MODERN BUSINESS PROCESS AUTOMATION: YAWL AND ITS SUPPORT ENVIRONMENT, pages 591–596. Springer-Verlag, Berlin, 2010.
44. W.M.P. van der Aalst and A. Nikolov. Mining E-Mail Messages: Uncovering Interaction Patterns and Processes using E-mail Logs. In V. Sugumaran, editor, METHODOLOGICAL ADVANCEMENTS IN INTELLIGENT INFORMATION TECHNOLOGIES: EVOLUTIONARY TRENDS, pages 212–234. Information Science Reference, 2010.
45. W.M.P. van der Aalst. Workflow Patterns. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 3557–3558. Springer-Verlag, Berlin, 2009.
46. W.M.P. van der Aalst. Business Process Management. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 289–293. Springer-Verlag, Berlin, 2009.
47. W.M.P. van der Aalst. Business Process Execution Language. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 288–289. Springer-Verlag, Berlin, 2009.

48. W.M.P. van der Aalst. Business Process Modeling Notation. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 293–294. Springer-Verlag, Berlin, 2009.
49. W.M.P. van der Aalst. Process Mining. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 2171–2173. Springer-Verlag, Berlin, 2009.
50. W.M.P. van der Aalst. Workflow Model Analysis. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 3551–3551. Springer-Verlag, Berlin, 2009.
51. W.M.P. van der Aalst. Composition. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 420–421. Springer-Verlag, Berlin, 2009.
52. W.M.P. van der Aalst. Choreography. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 329–329. Springer-Verlag, Berlin, 2009.
53. W.M.P. van der Aalst. Coordination. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 495–496. Springer-Verlag, Berlin, 2009.
54. W.M.P. van der Aalst. Orchestration. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 2004–2005. Springer-Verlag, Berlin, 2009.
55. W.M.P. van der Aalst. Petri Nets. In L. Liu and M. Tamer Özsu, editors, ENCYCLOPEDIA OF DATABASE SYSTEMS, pages 2103–2108. Springer-Verlag, Berlin, 2009.
56. J. Recker, M. Rosemann, W.M.P. van der Aalst, M.H. Jansen-Vullers, and A. Dreiling. Configurable Reference Modeling Languages. In A. Bajaj and S. Wrycza, editors, CHAPTER XIV: SYSTEMS ANALYSIS AND DESIGN FOR ADVANCED MODELING METHODS - BEST PRACTICES, pages 180–201. IGI Global, Hershey, PA, USA, 2009.
57. W.M.P. van der Aalst, A.J. Mooij, C. Stahl, and K. Wolf. Service Interaction: Patterns, Formalization, and Analysis. In M. Bernardo, L. Padovani, and G. Zavattaro, editors, FORMAL METHODS FOR WEB SERVICES, volume 5569 of LECTURE NOTES IN COMPUTER SCIENCE, pages 42–88. Springer-Verlag, Berlin, 2009.
58. R.S. Mans, M.H. Schonenberg, M. Song, W.M.P. van der Aalst, and P.J.M. Bakker. Application of Process Mining in Healthcare: A Case Study in a Dutch Hospital. In BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES, volume 25 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE, pages 425–438. Springer-Verlag, Berlin, 2009.
59. W.M.P. van der Aalst, J. Nakatumba, A. Rozinat, and N. Russell. Business Process Simulation: How to Get it Right? In J. vom Brocke and M. Rosemann, editors, HANDBOOK ON BUSINESS PROCESS MANAGEMENT, International Handbooks on Information Systems, pages 313–338. Springer-Verlag, Berlin, 2010.
60. M. Adams, A.H.M. ter Hofstede, N. Russell, and W.M.P. van der Aalst. Dynamic and Context-Aware Process Adaptation. In M. Wang and Z. Sun, editors, HANDBOOK OF RESEARCH ON COMPLEX DYNAMIC PROCESS MANAGEMENT, pages 104–136. IGI Global, 2009.
61. W.M.P. van der Aalst. Challenges in Business Process Analysis. In J. Filipe, J. Cordeiro, and J. Cardoso, editors, ENTERPRISE INFORMATION SYSTEMS, volume 12 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 27–42. Springer-Verlag, Berlin, 2008.
62. I. Vanderfeesten, H.A. Reijers, and W.M.P. van der Aalst. Case Handling Systems as Product Based Workflow Design Support. In J. Filipe, J. Cordeiro, and J. Cardoso, editors, ENTERPRISE INFORMATION SYSTEMS, volume 12 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 187–198. Springer-Verlag, Berlin, 2008.
63. M. Netjes, S. Limam-Mansar, H.A. Reijers, and W.M.P. van der Aalst. Performing Business Process Redesign with Best Practices: An Evolutionary Approach. In J. Filipe, J. Cordeiro, and J. Cardoso, editors, ENTERPRISE INFORMATION SYSTEMS, volume 12 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 199–211. Springer-Verlag, Berlin, 2008.
64. J. Cardoso, W.M.P. van der Aalst, C. Bussler, A. Sheth, and Kurt Sandkuhl. Inter-enterprise System and Application Integration: A Reality Check. In J. Filipe, J. Cordeiro, and J. Cardoso, editors, ENTERPRISE INFORMATION SYSTEMS, volume 12 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 3–15. Springer-Verlag, Berlin, 2008.
65. J. Cardoso and W.M.P. van der Aalst. Path Mining and Process Mining for Workflow Management Systems. In J. Wang, editor, ENCYCLOPEDIA OF DATA WAREHOUSING AND MINING (VOLUME III), pages 1489–1496. IGI Global, 2009.

66. W.M.P. van der Aalst. Process-Aware Information Systems: Design, Enactment and Analysis. In B.W. Wah, editor, WILEY ENCYCLOPEDIA OF COMPUTER SCIENCE AND ENGINEERING, pages 2221–2233. Wiley & Sons, 2009.
67. N. Russell, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Chapter 4: All That Glitters Is Not Gold - Selecting the Right Tool for Your BPM Needs. In INNOVATIONS IN BUSINESS PROCESS THINKING, pages 143–156. Cutter Information LLC, Arlington, MA, USA, 2007.
68. W.M.P. van der Aalst. Chapter 29: Decision Support Based on Process Mining. In F. Burstein and C.W. Holsapple, editors, HANDBOOK ON DECISION SUPPORT SYSTEMS (PART 1: BASIC THEMES), International Handbooks on Information Systems, pages 637–657. Springer-Verlag, Berlin, 2008.
69. W.M.P. van der Aalst, M. Netjes, and H.A. Reijers. Chapter 4: Supporting the Full BPM Life-Cycle Using Process Mining and Intelligent Redesign. In K. Siau, editor, CONTEMPORARY ISSUES IN DATABASE DESIGN AND INFORMATION SYSTEMS DEVELOPMENT, pages 100–132. IGI Global, Hershey, USA, 2007.
70. W.M.P. van der Aalst and M. Pesic. Chapter 2: Specifying and Monitoring Service Flows: Making Web Services Process-Aware. In L. Baresi and E. Di Nitto, editors, TEST AND ANALYSIS OF WEB SERVICES, pages 11–56. Springer-Verlag, Berlin, 2007.
71. I. Vanderfeesten, J. Cardoso, J. Mendling, H.A. Reijers, and W.M.P. van der Aalst. Quality Metrics for Business Process Models. In L. Fischer, editor, BPM AND WORKFLOW HANDBOOK 2007, pages 179–190. Future Strategies Inc., Lighthouse Point, Florida, USA, 2007.
72. C. Ouyang, W.M.P. van der Aalst, M. Dumas, A.H.M. ter Hofstede, and M. La Rosa. Service-Oriented Processes: An Introduction to BPEL. In J. Cardoso, editor, CHAPTER 8: SEMANTIC WEB SERVICES: THEORY, TOOLS AND APPLICATIONS, pages 155–188. IGI Publishing, Hershey, PA, USA, 2007.
73. J. Recker, M. Rosemann, W.M.P. van der Aalst, M.H. Jansen-Vullers, and A. Dreiling. Configurable Reference Modeling Languages. In P. Fettke and P. Loos, editors, REFERENCE MODELING FOR BUSINESS SYSTEMS ANALYSIS, pages 22–46. Idea Group Inc., Hershey, PA, USA, 2006.
74. W.M.P. van der Aalst. Measuring Business Alignment with Process Mining. In T. Mahapatra and N. Roy, editors, BUSINESS PROCESSES: MINING AND MANAGEMENT - AN INTRODUCTION, ICFAI Books, pages 143–152. ICFAI University Press, 2005.
75. M. Dumas, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Introduction. In M. Dumas, W.M.P. van der Aalst, and A.H.M. ter Hofstede, editors, PROCESS-AWARE INFORMATION SYSTEMS: BRIDGING PEOPLE AND SOFTWARE THROUGH PROCESS TECHNOLOGY, pages 3–20. Wiley & Sons, 2005.
76. W.M.P. van der Aalst, A.H.M. ter Hofstede, and M. Dumas. Patterns of Process Modeling. In M. Dumas, W.M.P. van der Aalst, and A.H.M. ter Hofstede, editors, PROCESS-AWARE INFORMATION SYSTEMS: BRIDGING PEOPLE AND SOFTWARE THROUGH PROCESS TECHNOLOGY, pages 179–203. Wiley & Sons, 2005.
77. W.M.P. van der Aalst and A.J.M.M. Weijters. Process Mining. In M. Dumas, W.M.P. van der Aalst, and A.H.M. ter Hofstede, editors, PROCESS-AWARE INFORMATION SYSTEMS: BRIDGING PEOPLE AND SOFTWARE THROUGH PROCESS TECHNOLOGY, pages 235–255. Wiley & Sons, 2005.
78. W.M.P. van der Aalst. Business Process Management Demystified: A Tutorial on Models, Systems and Standards for Workflow Management. In J. Desel, W. Reisig, and G. Rozenberg, editors, LECTURES ON CONCURRENCY AND PETRI NETS, volume 3098 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–65. Springer-Verlag, Berlin, 2004.
79. W.M.P. van der Aalst. Chapter 1: Putting Petri Nets to Work in the Workflow Arena. In W. van der Aalst, J-M. Colom, F. Kordon, G. Kotsis, and D. Moldt, editors, PETRI NET APPROACHES FOR MODELLING AND VALIDATION, volume 1 of LINCOM STUDIES IN COMPUTER SCIENCE, pages 1–20. Lincom, München, Germany, 2003.
80. W.M.P. van der Aalst. Inheritance of Business Processes: A Journey Visiting Four Notorious Problems. In H. Ehrig, W. Reisig, G. Rozenberg, and H. Weber, editors, PETRI NET TECHNOLOGY FOR COMMUNICATION BASED SYSTEMS, volume 2472 of LECTURE NOTES IN COMPUTER SCIENCE, pages 383–408. Springer-Verlag, Berlin, 2003.
81. L. Maruster, J.C. Wortmann, A.J.M.M. Weijters, and W.M.P. van der Aalst. Discovering Distributed Processes in Supply Chains. In H. Jagdev, J.C. Wortmann, and H.J. Pels, editors, COLLABORATIVE SYSTEMS FOR PRODUCTION MANAGEMENT, pages 219–243. Elsevier Science Publishers, Amsterdam, 2003.

82. W.M.P. van der Aalst. Part V: Application Domains, Chapter 23: Introduction. In G. Girault and R. Valk, editors, PETRI NETS FOR SYSTEMS ENGINEERING: A GUIDE TO MODELING, VERIFICATION, AND APPLICATIONS, pages 473–477. Springer-Verlag, Berlin, 2003.
83. W.M.P. van der Aalst. Piet's Razor Applied to BPR: Reengineering Knock-out Processes. In M. Jansen-Vullers and T. Valstar, editors, OP HET GRENSVLAK VAN LOGISTIEK EN ICT (LIBER AMORICUM PIET VAN DER VLIST), pages 199–214. Eindhoven University of Technology, I&T, Eindhoven, The Netherlands, 2002.
84. W.M.P. van der Aalst and M. van de Graaf. Part V: Application Domains, Chapter 25: Workflow Systems. In G. Girault and R. Valk, editors, PETRI NETS FOR SYSTEMS ENGINEERING: A GUIDE TO MODELING, VERIFICATION, AND APPLICATIONS, pages 507–539. Springer-Verlag, Berlin, 2003.
85. W.M.P. van der Aalst. Part V: Application Domains, Chapter 27: Conclusion. In G. Girault and R. Valk, editors, PETRI NETS FOR SYSTEMS ENGINEERING: A GUIDE TO MODELING, VERIFICATION, AND APPLICATIONS, pages 567–569. Springer-Verlag, Berlin, 2003.
86. B.R.T.M. Witlox, P. van der Wolf, E.H.L. Aarts, and W.M.P. van der Aalst. Performance Analysis of Dataflow Architectures Using Timed Coloured Petri Nets. In A. Yakovlev, L. Gomes, and L. Lavagno, editors, HARDWARE DESIGN AND PETRI NETS, pages 269–289. Kluwer Academic Publishers, Norwell, 2000.
87. T. Basten and W.M.P. van der Aalst. Inheritance of Dynamic Behavior: Development of a Groupware Editor. In G. Agha, F. De Cindo, and G. Rozenberg, editors, CONCURRENT OBJECT-ORIENTED PROGRAMMING AND PETRI NETS, volume 2001 of LECTURE NOTES IN COMPUTER SCIENCE, pages 391–405. Springer-Verlag, Berlin, 2001.
88. W.M.P. van der Aalst. V.3.1 Workflow Management. In ICT-ZAKBOEKJE, pages 1042–1061. PBNA, Arnhem, The Netherlands, 1999.
89. W.M.P. van der Aalst, T. Basten, H.M.W. Verbeek, P.A.C. Verkoulen, and M. Voorhoeve. Adaptive Workflow: On the Interplay between Flexibility and Support. In J. Filipe, editor, ENTERPRISE INFORMATION SYSTEMS, pages 63–70. Kluwer Academic Publishers, Norwell, 2000.
90. W.M.P. van der Aalst. Workflow Verification: Finding Control-Flow Errors using Petri-net-based Techniques. In W.M.P. van der Aalst, J. Desel, and A. Oberweis, editors, BUSINESS PROCESS MANAGEMENT: MODELS, TECHNIQUES, AND EMPIRICAL STUDIES, volume 1806 of LECTURE NOTES IN COMPUTER SCIENCE, pages 161–183. Springer-Verlag, Berlin, 2000.
91. W.M.P. van der Aalst. Chapter 10: Three Good Reasons for Using a Petri-net-based Workflow Management System. In T. Wakayama, S. Kannapan, C.M. Khoong, S. Navathe, and J. Yates, editors, INFORMATION AND PROCESS INTEGRATION IN ENTERPRISES: RETHINKING DOCUMENTS, volume 428 of THE KLUWER INTERNATIONAL SERIES IN ENGINEERING AND COMPUTER SCIENCE, pages 161–182. Kluwer Academic Publishers, Boston, Massachusetts, 1998.
92. W.M.P. van der Aalst. Chapter 25: Application Domains: Introduction. In C. Girault and R. Valk, editors, SYSTEMS ENGINEERING: A PETRI NET BASED APPROACH TO MODELLING, VERIFICATION, AND IMPLEMENTATION, pages 495–500. Kronos, Zaragoza, Sept 1998.
93. M.C.A. van de Graaf and W.M.P. van der Aalst. Chapter 27: Workflow Systems. In C. Girault and R. Valk, editors, SYSTEMS ENGINEERING: A PETRI NET BASED APPROACH TO MODELLING, VERIFICATION, AND IMPLEMENTATION, pages 531–568. Kronos, Zaragoza, Sept 1998.
94. W.M.P. van der Aalst. Chapter 29: Application Domains: Conclusion. In C. Girault and R. Valk, editors, SYSTEMS ENGINEERING: A PETRI NET BASED APPROACH TO MODELLING, VERIFICATION, AND IMPLEMENTATION, pages 597–599. Kronos, Zaragoza, Sept 1998.
95. W.M.P. van der Aalst. Modelling and Analysis of Complex Logistic Systems. In H.J. Pels and J.C. Wortmann, editors, INTEGRATION IN PRODUCTION MANAGEMENT SYSTEMS, volume B-7 of IFIP TRANSACTIONS, pages 277–292. Elsevier Science Publishers, Amsterdam, 1992.

PHD THESIS

- W.M.P. van der Aalst. TIMED COLOURED PETRI NETS AND THEIR APPLICATION TO LOGISTICS. PhD thesis, Eindhoven University of Technology, Eindhoven, 1992.

MASTER THESIS

1. W.M.P. van der Aalst. Specificatie en Simulatie met behulp van ExSpect (in Dutch). Master's thesis, Eindhoven University of Technology, Eindhoven, 1988.

DUTCH JOURNALS

1. W.M.P. van der Aalst. Geen AI zonder Process Intelligence. AG CONNECT, 6:66–69, 2025.
2. W.M.P. van der Aalst. Nederland Investeert te Weinig in Basistechnologieën. AUTOMATISERING GIDS, pages 56–59, August 2017.
3. W.M.P. van der Aalst and A. Koopman. Process Mining: Data analytics voor de accountant die wil weten hoe het nu echt zit. MAANDBLAD VOOR ACCOUNTANCY EN BEDRIJFSECONOMIE, 89(10):359–365, 2015.
4. W.M.P. van der Aalst. Datascientist: Beroep van de 21e eeuw. AUTOMATISERING GIDS, pages 24–25, Feb 2014.
5. W.M.P. van der Aalst and F. van Geffen. De ontbrekende schakel tussen BI en BPM. INFORMATIE, pages 10–13, July 2014.
6. W.M.P. van der Aalst. Process Mining Is Ontbrekende Schakel. AUTOMATISERING GIDS, pages 26–27, July 2013.
7. W.M.P. van der Aalst. Navigeren met Process Mining. AUTOMATISERING GIDS, 45(24):12–13, 2011.
8. W.M.P. van der Aalst. Geef Informatiesystemen TomTom-Functionaliteit. TIJDSCHRIFT CONTROLLING, 25(10):22–25, 2010.
9. W.M.P. van der Aalst. Geef Informatiesystemen TomTom-Functionaliteit. MANAGEMENT EXECUTIVE, pages 12–14, January/February 2010.
10. W.M.P. van der Aalst. TomTom voor Bedrijfsprocessen: Toepassing van moderne process-miningtechnieken. INFORMATIE, 51(3):34–41, April 2009.
11. W.M.P. van der Aalst. Workflow Patronen: Gereedschap voor het Evalueren van BPM Software. BUSINESS PROCESS MAGAZINE, 13(4):22–27, 2007.
12. W.M.P. van der Aalst. Process Mining: Business Intelligence Software Wordt Eindelijk Intelligent. BUSINESS PROCESS MAGAZINE, 13(2):28–31, 2007.
13. H. Reijers and W.M.P. van der Aalst. Formele methoden in Business Process Management. INFORMATIE, 45(5):50–53, 2003.
14. W.M.P. van der Aalst and T. Weijters. KLeinduimpje in Workflowland. MANAGEMENT & INFORMATIE, 11(1):4–8, 2003.
15. W.M.P. van der Aalst. Workflowmanagementsystemen op de pijnbank: Patronen voor werkstroombesturing. VIP, VAKBLAD VOOR DOCUMENTMANAGEMENT, 13(6):40–44, 2001.
16. W.M.P. van der Aalst. Patronen voor werkstroombesturing. MANAGEMENT & INFORMATIE, 9(4):4–12, 2001.
17. W.M.P. van der Aalst. Research en Wetenschap: TUE Sectie Specificeren en Modelleren van InformatieSystemen (SMIS). INFORMATIE, 40:58–59, Nov. 1998.
18. W.M.P. van der Aalst and J. Rigter. Toestanden vermijden met toestanden: Valkuilen bij het modelleren van bedrijfsprocessen. COMPUTABLE, 31(10):52–56, 1998.
19. W.M.P. van der Aalst, K.M. van Hee, and G.J. Houben. Modelleren en Analyseren van Workflow: een Aanpak op Basis van Petri-netten. INFORMATIE, 37(11):590–599 (in Dutch), 1995.
20. W.M.P. van der Aalst, G.J. Houben, P. van der Toorn, and P van de Vlist. Formele specificatie en simulatie: de RODOS-case. INFORMATIE, 36(10):609–615, 1994.
21. W.M.P. van der Aalst. Procesmodelleren met behulp van Petri-netten. INFORMATIE, 36(4):244–252, 1994.

OTHER PUBLICATIONS (EDITORIALS, TECHNICAL REPORTS, BLOGS, ETC.)

1. M. de Leoni, W.M.P. van der Aalst, and M. Dees. Nine Years Later: Reflecting On Our Article: A General Process Mining Framework For Correlating, Predicting, and Clustering Dynamic Behavior Based On Event Logs. INFORMATION SYSTEMS, 137:102644, 2026.
2. L.T. Ly, F.M. Maggi, M. Montali, S. Rinderle-Ma, and W.M.P. van der Aalst. Reflection on Compliance Monitoring in Business Processes: Functionalities, Application, and Tool-support. INFORMATION SYSTEMS, 138:102650, 2026.
3. F. Hering, O. Hinz, J. Pfeiffer, and W.M.P. van der Aalst. The Damocles Sword of Cyber Attacks. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 67(2):141–147, 2025.
4. J. Pfeiffer, S. Schoebel, E. Elshan, A.K. Cordes, O. Hinz, W.M.P. van der Aalst, and H.A. Reijers. Women in IS: A Reflection on Diversity and Inclusion. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 67(4):439–448, 2025.
5. W.M.P. van der Aalst, H.A. Reijers, O. Hinz, and J. Pfeiffer. Process Mindlessness: When we Lose Sight of What AI is Supposed to Improve. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 67(6):771–775, 2025.
6. W.M.P. van der Aalst. No Enterprise AI Without Process Intelligence! Using Process Mining as the Lens to Address Performance and Compliance Problems. Tutorial of the 28th European Conference on Artificial Intelligence (ECAI 2025), University of Bologna, 2025.
7. H.H. Beyel, C.T. Schwanen, and W.M.P. van der Aalst. Data for Translucent Alignments. https://doi.org/10.5281/zenodo.15210627, September 2025.
8. H. Diers, V. Peeva, C. Rennert, and W.M.P. van der Aalst. Object-Centric and Traditional Event Data of the German Bundestag. https://doi.org/10.5281/zenodo.16811928, September 2025.
9. M.Rafiei, M. Pourbafrani, and W.M.P. van der Aalst. Federated Conformance Checking. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2501.13576, 2025.
10. F. Vitale, M. Pegoraro, W.M.P. van der Aalst, and N. Mazzocca. Control-Flow Anomaly Detection by Process Mining-based Feature Extraction and Dimensionality Reduction. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2502.10211, 2025.
11. T.H. Huang, T. Junied, M. Pegoraro, and W.M.P. van der Aalst. ProReco: A Process Discovery Recommender System. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2502.10230, 2025.
12. H. Kourani, G. Park, and W.M.P. van der Aalst. Translating Workflow Nets into the Partially Ordered Workflow Language. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2503.20363, 2025.
13. A. Siddiqui, W.M.P. van der Aalst, and D. Schuster. Computing Alignments for Partially-ordered Traces Through Petri Net Unfoldings. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2504.00550, 2025.
14. F. Wangelik, M. Rafiei, M.Pourbafrani, and W.M.P. van der Aalst. Releasing Differentially Private Event Logs Using Generative Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2504.06418, 2025.
15. S. Folz-Weinstein, C. Rennert, L.L. Mannel, R. Bergenthum, and W.M.P. van der Aalst. eST2 Miner: Process Discovery Based on Firing Partial Orders. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2504.08372, 2025.
16. H. Kourani, G. Park, and W.M.P. van der Aalst. Unlocking Non-Block-Structured Decisions: Inductive Mining with Choice Graphs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2505.07052, 2025.
17. F. Vinci, G. Park, W.M.P. van der Aalst, and M. de Leoni. Online Discovery of Simulation Models for Evolving Business Processes (Extended Version). COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2506.10049, 2025.
18. A. Küsters and W.M.P. van der Aalst. OCPQ: Object-Centric Process Querying and Constraints. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2506.11541, 2025.
19. A. Berti and W.M.P. van der Aalst. CPN-Py: A Python-Based Tool for Modeling and Analyzing Colored Petri Nets. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2506.12238, 2025.
20. W.M.P. van der Aalst. No AI Without PI! Object-Centric Process Mining as the Enabler for Generative, Predictive, and Prescriptive Artificial Intelligence. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2508.00116, 2025.

21. H. Kourani, A. Antonov, A. Berti, and W.M.P. van der Aalst. Knowledge-Driven Hallucination in Large Language Models: An Empirical Study on Process Modeling. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2509.15336, 2025.
22. H. Kourani, G. Park, and W.M.P. van der Aalst. Revealing Inherent Concurrency in Event Data: A Partial Order Approach to Process Discovery. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2509.15346, 2025.
23. A. Norouzifar, H. Kourani, M. Dees, and W.M.P. van der Aalst. Integrating Domain Knowledge into Process Discovery Using Large Language Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2510.07161, 2025.
24. A. Norouzifar and W.M.P. van der Aalst. Discriminative Rule Learning for Outcome-Guided Process Model Discovery. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2510.27343, 2025.
25. L. Liss, N. Elbert, C.M. Flath, and W.M.P. van der Aalst. Object-Centric Event Log for Age of Empires Game Interactions (Version 2). https://doi.org/10.5281/zenodo.13365584, August 2024.
26. M. Heinisch, N. Graves, and W.M.P. van der Aalst. OCEL 2.0: A Sustainability-Enriched OCEL of a Hinge Production Process. https://doi.org/10.5281/zenodo.13638681, September 2024.
27. H. Beyel and W.M.P. van der Aalst. Translucent Event Logs based on the Road Traffic Fine Management Event Log and the Inductive Miner Infrequent. https://doi.org/10.5281/zenodo.14161125, November 2024.
28. S. Manuel, H. Beyel, and W.M.P. van der Aalst. Code and Data for ActivityGen: Extracting Enabled Activities from Screenshots. https://doi.org/10.5281/zenodo.13375065, August 2024.
29. I. Koren, J.N. Adams, A. Berti, and W.M.P. van der Aalst. OCEL 2.0 Resources - www.ocel-standard.org. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2403.01982, 2024.
30. C. Weinhardt, J. Fegert, O. Hinz, and W.M.P. van der Aalst. Digital Democracy: A Wake-Up Call. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 66(2):127–134, 2024.
31. W.M.P. van der Aalst. Matthias Jarke (1952-2024), A Pioneer in Information Systems and Data Management. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 66(2):135, 2024.
32. B. Hanneke, O. Hinz, J. Pfeiffer, and W.M.P. van der Aalst. The Internet of Value: Unleashing the Blockchain's Potential with Tokenization. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 66(4):411–419, 2024.
33. J. Pfeiffer, J.F. Lachenmaier, O. Hinz, and W.M.P. van der Aalst. New Laws and Regulation. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 66(6):653–666, 2024.
34. I. Koren, J.N. Adams, A. Berti, and W.M.P. van der Aalst. OCEL 2.0 Resources - www.ocel-standard.org. In J.M. van der Werf, C. Cabanillas, F. Leotta, and L. Genga, editors, DOCTORAL CONSORTIUM AND DEMO TRACK 2023 AT THE INTERNATIONAL CONFERENCE ON PROCESS MINING 2023, volume 3648 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2023.
35. N. Elbert, L. Liss, W.M.P. van der Aalst, and C.M. Flath. Game Data Event Log from Age of Empire Interactions (Version 1.0.0). https://doi.org/10.5281/zenodo.11060884, May 2024.
36. L. Liss, N. Elbert, C.M. Flath, and W.M.P. van der Aalst. Object-Centric Event Log for Age of Empires Game Interactions (Version 1.1.0). https://doi.org/10.5281/zenodo.11506366, June 2024.
37. W.M.P. van der Aalst. We overschatten wat we met AI volgend jaar kunnen doen, maar onderschatten langere termijneffecten. STICHTING BESTE-ID, UITGAVE 2024, WWW.BESTE-ID.NL, 2024.
38. M. Pegoraro, E. Benevento, D. Alioni, and W.M.P. van der Aalst. Advances in Computational Methods for Process and Data Mining in Healthcare. MATHEMATICAL BIOSCIENCES AND ENGINEERING, 21(7):6603–6607, 2024.
39. J. Munoz-Gama, F. Zerbato, G. Janssenswillen, and W.M.P. van der Aalst. Second International Workshop Education meets Process Mining (EduPM 2023). In J. De Smedt and P. Soffer, editors, ICPM 2023 WORKSHOP PROCEEDINGS, volume 503 of LECTURE NOTES IN BUSINESS INFORMATION PROCESSING, pages 1–3. Springer-Verlag, Berlin, 2024.
40. A. Küsters and W.M.P. van der Aalst. Developing a High-Performance Process Mining Library with Java and Python Bindings in Rust. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2401.14149, 2024.
41. A. Berti, I. Koren, J.N. Adams, G. Park, B. Knopp, N. Graves, M. Rafiei, L. Liß, L. Tacke genannt Unterberg, Y. Zhang, C.T. Schwanen, M. Pegoraro, and W.M.P. van der Aalst. OCEL (Object-Centric Event Log) 2.0 Specification. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2403.01975, 2024.

42. H. Kourani, A. Berti, D. Schuster, and W.M.P. van der Aalst. ProMoAI: Process Modeling with Generative AI. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2403.04327, 2024.
43. H. Kourani, A. Berti, D. Schuster, and W.M.P. van der Aalst. Process Modeling With Large Language Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2403.07541, 2024.
44. H.H. Beyel, M. Verket, V. Peeva, C. Rennert, M. Pegoraro, K. Schütt, W.M.P. van der Aalst, and N. Marx. Process-Aware Analysis of Treatment Paths in Heart Failure Patients: A Case Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2403.10544, 2024.
45. B. Bakullari and W.M.P. van der Aalst. High-Level Event Mining: Overview and Future Work. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2405.14435, 2024.
46. A. Norouzifar, M. Rafiei, M. Dees, and W.M.P. van der Aalst. Process Variant Analysis Across Continuous Features: A Novel Framework. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2406.04347, 2024.
47. A. Berti, U. Jessen, W.M.P. van der Aalst, and D. Fahland. Challenges of Anomaly Detection in the Object-Centric Setting: Dimensions and the Role of Domain Knowledge. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2407.09023, 2024.
48. A. Berti, H. Kourani, and W.M.P. van der Aalst. PM-LLM-Benchmark: Evaluating Large Language Models on Process Mining Tasks. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2407.13244, 2024.
49. H. Kourani, A. Berti, J. Henrich, W. Kratsch, R. Weidlich, C.Y. Li, A. Arslan, D. Schuster, and W.M.P. van der Aalst. Leveraging Large Language Models for Enhanced Process Model Comprehension. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2408.08892, 2024.
50. A. Norouzifar, H. Kourani, M. Dees, and W.M.P. van der Aalst. Bridging Domain Knowledge and Process Discovery Using Large Language Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2408.17316, 2024.
51. A. Norouzifar, M. Dees, and W.M.P. van der Aalst. Imposing Rules in Process Discovery: An Inductive Mining Approach. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2408.17326, 2024.
52. C. Rennert, M. Pourbafrani, and W.M.P. van der Aalst. Evaluation of Study Plans using Partial Orders. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2410.03314, 2024.
53. D. Fahland, M. Montali, J. Lebherz, W.M.P. van der Aalst, M. van Asseldonk, P. Blank, L. Bosmans, M. Brenscheidt, C. Di Ciccio, A. Delgado, D. Calegari, J. Peeperkorn, E. Verbeek, L. Vugs, and M.T. Wynn. Towards a Simple and Extensible Standard for Object-Centric Event Data (OCED): Core Model, Design Space, and Lessons Learned. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2410.14495, 2024.
54. V. Peeva, M. Porsil, and W.M.P. van der Aalst. Object-Centric Local Process Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/abs/2411.10468, 2024.
55. H. Kourani, A. Berti, D. Schuster, and W.M.P. van der Aalst. Evaluating Large Language Models on Business Process Modeling: Framework, Benchmark, and Self-Improvement Analysis. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2412.00023, 2024.
56. W.M.P. van der Aalst, O. Hinz, and C. Weinhardt. Ranking the Ranker: How to Evaluate Institutions, Researchers, Journals, and Conferences? BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 65(6):615–621, 2023.
57. T. Teubner, C.M. Flath, C. Weinhardt, W.M.P. van der Aalst, and O. Hinz. Welcome to the Era of ChatGPT et al. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 65(2):95–101, 2023.
58. M.T. Wynn, W.M.P. van der Aalst, and E. Verbeek, editors. IEEE STANDARD FOR EXTENSIBLE EVENT STREAM (XES) FOR ACHIEVING INTEROPERABILITY IN EVENT LOGS AND EVENT STREAMS. IEEE Standard 1849-2023 (Revision of IEEE Standard 1849-2016), IEEE Standards Association, 2023.
59. W.M.P. van der Aalst. So steigert Object-Centric Process Mining die Produktivität. BigData Insider Article (28-06-2023), www.bigdata-insider.de, 2023.
60. W.M.P. van der Aalst. What's Next in Process Mining: Evolution and Innovation. Diginomica Article (13-06-2023), www.diginomica.com, 2023.
61. W.M.P. van der Aalst. Crawl, Walk, Run: A Look Ahead Down the Path to Process Mining Breakthroughs. Diginomica Article (9-1-2023), www.diginomica.com, 2023.
62. W.M.P. van der Aalst. Object-Centric Process Mining: How ERP's X-ray Becomes an MRI. ERP Today Blog (13-9-2023), www.erp.today, 2023.

63. W.M.P. van der Aalst. Object-Centric Process Mining definiert Process Mining neu. Computer Weekly Article (24-5-2023), www.computerweekly.de, 2023.
64. W.M.P. van der Aalst. Hoe Workflow Verdween Uit Eindhoven (Interview T. Molenaar). Computable (15-12-2023), www.computable.nl, 2023.
65. W.M.P. van der Aalst. Process Mining: Das Ziel ist kontinuierliche Prozesskontrolle (Interview H. Vaske). Computer Woche (14-11-2023), www.computerwoche.de, 2023.
66. W.M.P. van der Aalst. Process Management after ChatGPT: How Generative and Predictive AI Relate to Process Mining. LinkedIn Pulse Article (7-12-2023), 2023.
67. W.M.P. van der Aalst. Rainbow Spaghetti, Metro Maps, and Object-Centric Process Mining. LinkedIn Pulse Article (26-11-2023), 2023.
68. W.M.P. van der Aalst. OCEL 2.0: Enabling Object-Centric Process Mining. LinkedIn Pulse Article (20-10-2023), 2023.
69. W.M.P. van der Aalst. Yet Another View on Citation Scores. LinkedIn Pulse Article (3-1-2023), 2023.
70. A. Berti, I. Koren, J.N. Adams, G. Park, B. Knopp, N. Graves, M. Rafiei, L. Liß, L. Tacke Genannt Unterberg, Y. Zhang, C. Schwanen, M. Pegoraro, and W.M.P. van der Aalst. OCEL (Object-Centric Event Log) 2.0 Specification. www.ocel-standard.org, 2023.
71. A. Berti, U. Jessen, G. Park, M. Rafiei, and W.M.P. van der Aalst. Analyzing Interconnected Processes: Using Object-Centric Process Mining To Analyze Procurement Processes (online first). INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS, pages 1–23, 2023.
72. B. Knopp and W.M.P. van der Aalst. Order Management Object-centric Event Log in OCEL 2.0 Standard (Version 1). https://doi.org/10.5281/zenodo.8337464, September 2023.
73. B. Knopp and W.M.P. van der Aalst. Order Management Object-centric Event Log in OCEL 2.0 Standard (Version 2). https://doi.org/10.5281/zenodo.8428112, September 2023.
74. T.H. Huang and W.M.P. van der Aalst. Comparing Ordering Strategies For Process Discovery Using Synthesis Rules. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2301.02182, 2023.
75. T.H. Huang and W.M.P. van der Aalst. Discovering Sound Free-choice Workflow Nets With Non-block Structures. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2301.02185, 2023.
76. M. Fani Sani, M. Vazifehdoostirani, G. Park, M. Pegoraro, S.J. van Zelst, and W.M.P. van der Aalst. Performance-Preserving Event Log Sampling for Predictive Monitoring. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2301.07624, 2023.
77. A. Norouzifar and W.M.P. van der Aalst. Discovering Process Models that Support Desired Behavior and Avoid Undesired Behavior. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2302.10984, 2023.
78. M. Rafiei, F. Wangelik, M. Pourbafrani, and W.M.P. van der Aalst. TraVaG: Differentially Private Trace Variant Generation Using GANs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2303.16704, 2023.
79. L. Liß, J.N. Adams, and W.M.P. van der Aalst. Object-Centric Alignments. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2305.05113, 2023.
80. A. Küsters and W.M.P. van der Aalst. Revisiting the Alpha Algorithm To Enable Real-Life Process Discovery Applications - Extended Report. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2305.17767, 2023.
81. P. Ceravolo, S. Barbon Junior, E. Damiani, and W.M.P. van der Aalst. Tailoring Machine Learning for Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2306.10341, 2023.
82. T. Pohl, A. Berti, M.S. Qafari, and W.M.P. van der Aalst. A Collection of Simulated Event Logs for Fairness Assessment in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2306.11453, 2023.
83. A. Berti, D. Schuster, and W.M.P. van der Aalst. Abstractions, Scenarios, and Prompt Definitions for Process Mining with LLMs: A Case Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2307.02194, 2023.
84. Z. Sadeghibogar, A. Berti, M. Pegoraro, and W.M.P. van der Aalst. Applying Process Mining on Scientific Workflows: a Case Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2307.02833, 2023.

85. B. Bakullari, J. van Thoor, D. Fahland, and W.M.P. van der Aalst. The Interplay Between High-Level Problems and The Process Instances That Give Rise To Them. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2309.01571, 2023.
86. M. Rafiei, D. Bayrak, M. Pourbafrani, G. Park, H. Helal, G. Lakemeyer, and W.M.P. van der Aalst. Extracting Rules from Event Data for Study Planning. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2310.02735, 2023.
87. G. Park, S. Aydin, C. Ugur, and W.M.P. van der Aalst. Analyzing An After-Sales Service Process Using Object-Centric Process Mining: A Case Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2310.10174, 2023.
88. J.N. Adams, J. Peeperkorn, T. Brockhoff, I. Terrier, H. Göhner, M.S. Uysal, S. vanden Broucke, J. De Weerdt, and W.M.P. van der Aalst. Discovering High-Quality Process Models Despite Data Scarcity. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2310.11332, 2023.
89. I. Sen, D. Assenmacher, M. Samory, I. Augenstein, W.M.P. van der Aalst, and C. Wagner. People Make Better Edits: Measuring the Efficacy of LLM-Generated Counterfactually Augmented Data for Harmful Language Detection. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2311.01270, 2023.
90. V. Peeva and W.M.P. van der Aalst. Grouping Local Process Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2311.03040, 2023.
91. A. Berti, M. Montali, and W.M.P. van der Aalst. Advancements and Challenges in Object-Centric Process Mining: A Systematic Literature Review. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2311.08795, 2023.
92. M. Nofer, K. Bauer, O. Hinz, W.M.P. van der Aalst, and C. Weinhardt. Quantum Computing. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 65(4):361–367, 2023.
93. W.M.P. van der Aalst. Object-Centric Process Mining: The Next Frontier in Business Performance. celon.is/OCPM-Whitepaper, 2023.
94. W.M.P. van der Aalst, O. Hinz, and C. Weinhardt. Sustainable Systems Engineering. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 65(1):1–6, 2023.
95. C. Mihale-Wilson, O. Hinz, W.M.P. van der Aalst, and C. Weinhardt. Corporate Digital Responsibility. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 64(2):127–132, 2022.
96. C. Peukert, C. Weinhardt, O. Hinz, and W.M.P. van der Aalst. Metaverse: How to Approach Its Challenges from a BISE Perspective. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 64(4):401–406, 2022.
97. A. Sunyaev, C. Weinhardt, W.M.P. van der Aalst, and O. Hinz. BISE Student: From Desk Drawer to Center Stage - Highlighting the Value of Student Theses. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 64(6):701–706, 2022.
98. A. Cuzzocrea, O. Gusikhin, W.M.P. van der Aalst, and S. Hammoudi, editors. PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON DATA SCIENCE, TECHNOLOGY AND APPLICATIONS (DATA 2022). SCITEPRESS, 2022.
99. W.M.P. van der Aalst. Na zelfrijdende auto's ook zelfsturende organisaties? STICHTING BESTE-ID, UITGAVE 2022, WWW.BESTE-ID.NL, 2022.
100. M. Pourbafrani and W.M.P. van der Aalst. Interactive Process Improvement using Simulation of Enriched Process Trees. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2201.07755, 2022.
101. M. Pegoraro, M.B.S. Narayana, E. Benevento, W.M.P. van der Aalst, L. Martin, and G. Marx. Analyzing Medical Data with Process Mining: a COVID-19 Case Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2202.04625, 2022.
102. A. Berti, A.F. Ghahfarokhi, G. Park, and W.M.P. van der Aalst. A Scalable Database for the Storage of Object-Centric Event Logs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2202.05639, 2022.
103. A.F. Ghahfarokhi and W.M.P. van der Aalst. A Python Tool for Object-Centric Process Mining Comparison. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2202.05709, 2022.
104. W.M.P. van der Aalst. How to Write Beautiful Process-and-Data-Science Papers? COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2203.09286, 2022.
105. G. Park, M. Comuzzi, and W.M.P. van der Aalst. Analyzing Process-Aware Information System Updates Using Digital Twins of Organizations. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2203.12969, 2022.

106. M.B.S. Narayana, E. Benevento, M. Pegoraro, M. Abdullah, R.B. Shahid, Q. Sajid, M.U. Mansoor, and W.M.P. van der Aalst. A Web-Based Tool for Comparative Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.00547, 2022.
107. M. Fani Sani, M. Vazifehdoostirani, G. Park, M. Pegoraro, S.J. van Zelst, and W.M.P. van der Aalst. Event Log Sampling for Predictive Monitoring. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.01470, 2022.
108. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. An XES Extension for Uncertain Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.04135, 2022.
109. M. Pegoraro, M.S. Uysal, T.H. Hülsmann, and W.M.P. van der Aalst. Uncertain Case Identifiers in Process Mining: A User Study of the Event-Case Correlation Problem on Click Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.04164, 2022.
110. A. Berti, M.P. Nghia, and W.M.P. van der Aalst. PM4Py-GPU: a High-Performance General-Purpose Library for Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.04898, 2022.
111. G. Park, J.N. Adams, and W.M.P. van der Aalst. OPerA: Object-Centric Performance Analysis. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.10662, 2022.
112. W.M.P. van der Aalst. Six Levels of Autonomous Process Execution Management (APEM). COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2204.11328, 2022.
113. G. Park, J.V. Benzin, and W.M.P. van der Aalst. Detecting Context-Aware Deviations in Process Executions. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2206.05532, 2022.
114. T. Rohrer, A.F. Ghahfarokhi, M. Behery, G. Lakemeyer, and W.M.P. van der Aalst. Predictive Object-Centric Process Monitoring. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2207.10017, 2022.
115. A.F. Ghahfarokhi, F. Akoochekian, F. Zandkarimi, and W.M.P. van der Aalst. Clustering Object-Centric Event Logs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2207.12764, 2022.
116. M. Rafiei, G. Elkoumy, and W.M.P. van der Aalst. Quantifying Temporal Privacy Leakage in Continuous Event Data Publishing. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2208.01886, 2022.
117. J.N. Adams, D. Schuster, S. Schmitz, G. Schuh, and W.M.P. van der Aalst. Defining Cases and Variants for Object-Centric Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2208.03235, 2022.
118. C. Kohlschmidt, M.S. Qafari, and W.M.P. van der Aalst. Detecting Surprising Situations in Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2208.13515, 2022.
119. J.N. Adams, G. Park, S. Levich, D. Schuster, and W.M.P. van der Aalst. A Framework for Extracting and Encoding Features from Object-Centric Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2209.01219, 2022.
120. D. Schuster, N. Föcking, S.J. van Zelst, and W.M.P. van der Aalst. Conformance Checking for Trace Fragments Using Infix and Postfix Alignments. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2209.04290, 2022.
121. A. Berti and W.M.P. van der Aalst. OC-PM: Analyzing Object-Centric Event Logs and Process Models. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2209.09725, 2022.
122. E. Benevento, M. Pegoraro, M. Antoniazzi, H. Beyel, V. Peeva, P. Balfanz, W.M.P. van der Aalst, L. Martin, and G. Marx. Process Modeling and Conformance Checking in Healthcare: A COVID-19 Case Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2209.10897, 2022.
123. G. Park and W.M.P. van der Aalst. Monitoring Constraints in Business Processes Using Object-Centric Constraint Graphs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2210.12080, 2022.
124. M. Rafiei, F. Wangelik, and W.M.P. van der Aalst. TraVaS: Differentially Private Trace Variant Selection for Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2210.14951, 2022.
125. G. Park, A. Küsters, M. Tews, C. Pitsch, J. Schneider, and W.M.P. van der Aalst. Explainable Predictive Decision Mining for Operational Support. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2210.16786, 2022.
126. B. Bakullari and W.M.P. van der Aalst. High-Level Event Mining: A Framework. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2211.00006, 2022.
127. D. Schuster, M. Martini, S.J. van Zelst, and W.M.P. van der Aalst. Control-Flow-Based Querying of Process Executions from Partially Ordered Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2211.04146, 2022.

128. M. Wagner, H. Helal, R. Roepke, S. Judel, J. Doveren, S. Görzen, P. Soudmand, G. Lakemeyer, U. Schroeder, and W.M.P. van der Aalst. A Combined Approach of Process Mining and Rule-based AI for Study Planning and Monitoring in Higher Education. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2211.12190, 2022.
129. M. Pegoraro, M.S. Uysal, T.H. Hülsmann, and W.M.P. van der Aalst. Resolving Uncertain Case Identifiers in Interaction Logs: A User Study. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2212.00009, 2022.
130. A. Goossens, J. De Smedt, J. Vanthienen, and W.M.P. van der Aalst. Enhancing Data-Awareness of Object-Centric Event Logs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2212.02858, 2022.
131. W.M.P. van der Aalst, O. Hinz, and C. Weinhardt. Resilient Digital Twins. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 63(6):615–619, 2021.
132. A. Burattin, J. De Weerdt, B.F. van Dongen, J. Claes, and W.M.P. van der Aalst. Special Issue on Business Process Intelligence. COMPUTING, 103(1):1–2, 2021.
133. K. Bauer, O. Hinz, W.M.P. van der Aalst, and C. Weinhardt. Expl(AI)n It to Me - Explainable AI and Information Systems Research. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 63(2):79–82, 2021.
134. C. Weinhardt, C. Peukert, O. Hinz, and W.M.P. van der Aalst. Welcome to Economies in IS! BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 63(4):325–328, 2021.
135. W.M.P. van der Aalst, V. Batagelj, D. Ignatov, M. Khachay, O. Koltsova, A. Kutuzov, S. Kuznetsov, I.A. Lomazova, N. Loukachevitch, A. Napoli, A. Panchenko, P. Pardalos, M. Pelillo, A. Savchenko, and E. Tutubalina, editors. PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS (AIST 2020), volume 12602 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2021.
136. W.M.P. van der Aalst. Interview in the 2021 Gartner Market Guide for Process Mining, Research Note G00737056. www.gartner.com, 2021.
137. W.M.P. van der Aalst, R. Dijkman, A. Kumar, F. Leotta, F. Maggi, J. Mendling, B. Pentland, A. Senderovich, M. Sepúlveda, E. Asensio, and M. Weske, editors. PROCEEDINGS OF THE BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION RESOURCES TRACK AT BPM 2021, volume 2973 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2021.
138. C. Quix, S. Hammoudi, and W.M.P. van der Aalst, editors. PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON DATA SCIENCE, TECHNOLOGY AND APPLICATIONS (DATA 2021). SCITEPRESS, 2021.
139. R. Hähnle and W.M.P. van der Aalst. Automated model analysis tools and techniques presented at FASE 2019. INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER, 23(3):285–287, 2021.
140. W.M.P. van der Aalst, V. Batagelj, A. Buzmakov, D. Ignatov, A. Kalenkova, M. Khachay, O. Koltsova, A. Kutuzov, S. Kuznetsov, I.A. Lomazova, N. Loukachevitch, A. Napoli, A. Panchenko, P. Pardalos, M. Pelillo, A. Savchenko, and E. Tutubalina, editors. RECENT TRENDS IN ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS, REVISED SUPPLEMENTARY PROCEEDINGS (AIST 2020), volume 1357 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE. Springer-Verlag, Berlin, 2021.
141. M. Rafiei and W.M.P. van der Aalst. Privacy-Preserving Data Publishing in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2101.02627, 2021.
142. M. Pourbafrani, S. Vasudevan, F. Zafar, Y. Xingran, R. Singh, and W.M.P. van der Aalst. A Python Extension to Simulate Petri nets in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2102.08774, 2021.
143. M.S. Qafari and W.M.P. van der Aalst. Case Level Counterfactual Reasoning in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2102.13490, 2021.
144. D. Fahland, V. Denisov, and W.M.P. van der Aalst. Inferring Unobserved Events in Systems With Shared Resources and Queues. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2103.00167, 2021.
145. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. PROVED: A Tool for Graph Representation and Analysis of Uncertain Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2103.05564, 2021.
146. A. Farhang Ghahfarokhi, A. Berti, and W.M.P. van der Aalst. Process Comparison Using Object-Centric Process Cubes. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2103.07184, 2021.

147. W.M.P. van der Aalst. Die Geschichte des Process Mining. MANAGERWISSEN: SPECIAL PROZESSAUTOMATISIERUNG, 06/2021:12–13, 2021.
148. J. vom Brocke, W.M.P. van der Aalst, T. Grisold, W. Kremser, J. Mendling, B. Pentland, J. Recker, M. Röglinger, M. Rosemann, and B. Weber. Process Science: The Interdisciplinary Study of Continuous Change. Available via SSRN: http://ssrn.com/abstract=3916817, 2021.
149. M. Fani Sani, M. Kabierski, S.J. van Zelst, and W.M.P. van der Aalst. Model Independent Error Bound Estimation for Conformance Checking Approximation. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2103.13315, 2021.
150. M. Pegoraro, M.S. Uysal, D.B. Georgi, and W.M.P. van der Aalst. Text-Aware Predictive Monitoring of Business Processes. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2104.09962, 2021.
151. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Cortado: An Interactive Tool for Data-Driven Process Discovery and Modeling. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2105.07666, 2021.
152. M. Rafiei and W.M.P. van der Aalst. Group-Based Privacy Preservation Techniques for Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2105.11983, 2021.
153. M. Rafiei and W.M.P. van der Aalst. Privacy-Preserving Continuous Event Data Publishing. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2105.11991, 2021.
154. J.N. Adams, S.J. van Zelst, L. Quack, K. Hausmann, W.M.P. van der Aalst, and T. Rose. A Framework for Explainable Concept Drift Detection in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2105.13155, 2021.
155. W.M.P. van der Aalst. Free-Choice Nets With Home Clusters Are Lucent. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2106.03554, 2021.
156. W.M.P. van der Aalst. Reduction Using Induced Subnets To Systematically Prove Properties For Free-Choice Nets. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2106.03658, 2021.
157. W.M.P. van der Aalst and L.F.R. Santos. May I Take Your Order? On the Interplay Between Time and Order in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2107.03937, 2021.
158. W.M.P. van der Aalst, T. Brockhoff, A. Farhang Ghahfarokhi, M. Pourbafrani, M.S. Uysal, and S.J. van Zelst. Removing Operational Friction Using Process Mining: Challenges Provided by the Internet of Production (IoP). COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2107.13066, 2021.
159. M. Rafiei and W.M.P. van der Aalst. PC4PM: A Tool for Privacy/Confidentiality Preservation in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2107.14499, 2021.
160. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Freezing Sub-Models During Incremental Process Discovery (Extended Version). COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2108.00215, 2021.
161. M. Pourbafrani, S. Jiao, and W.M.P. van der Aalst. SIMPT: Process Improvement Using Interactive Simulation of Time-aware Process Trees. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2108.02052, 2021.
162. M.S. Qafari and W.M.P. van der Aalst. Feature Recommendation for Structural Equation Model Discovery in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2108.07795, 2021.
163. M. Pegoraro, B. Bakullari, M.S. Uysal, and W.M.P. van der Aalst. Probability Estimation of Uncertain Process Trace Realizations. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2108.08615, 2021.
164. D. Schuster, L. Schade, S.J. van Zelst, and W.M.P. van der Aalst. Visualizing Trace Variants From Partially Ordered Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2110.02060, 2021.
165. A. Pery, M. Rafiei, M. Simon, and W.M.P. van der Aalst. Trustworthy Artificial Intelligence and Process Mining: Challenges and Opportunities. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2110.02707, 2021.
166. A. Berti, G. Park, M. Rafiei, and W.M.P. van der Aalst. An Event Data Extraction Approach from SAP ERP for Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2110.03467, 2021.
167. J.N. Adams and W.M.P. van der Aalst. Precision and Fitness in Object-Centric Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2110.05375, 2021.
168. W.M.P. van der Aalst, O. Hinz, and C. Weinhardt. Impact of COVID-19 on BISE Research and Education. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 62(6):463–466, 2020.

169. W.M.P. van der Aalst. Process Mining and RPA: How To Pick Your Automation Battles? (Blog Post PEX Network, January 2020). PEX Process Excellence Network, https://www.processexcellencenetwork.com/process-mining/articles/the-role-of-process-mining-and-rpa-in-helping-organizations-pick-automation-battles, 2020.
170. W.M.P. van der Aalst, J. vom Brocke, M. Comuzzi, C. Di Ciccio, F. Garcia, A. Kumar, J. Mendling, B. Pentland, L. Pufahl, M. Reichert, and M. Weske, editors. PROCEEDINGS OF THE BEST DISSERTATION AWARD, DOCTORAL CONSORTIUM, DEMONSTRATION AND RESOURCES TRACK AT BPM 2020 CO-LOCATED WITH THE 18TH INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT (BPM 2020), SEVILLA, SPAIN, SEPTEMBER 13-18, 2020, volume 2673 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2020.
171. W.M.P. van der Aalst, R. Bergenthum, and J. Carmona, editors. PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2020), volume 2625 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2020.
172. W.M.P. van der Aalst. Process Mining as the Bridge between Process Science and Data Science (11 Lessons). Listenable Audio Courses, listenable.io, 2020.
173. W.M.P. van der Aalst. How LNCS Helped to Shape the Field of Business Process Management. In THE ART AND CRAFT OF SCIENTIFIC PUBLISHING: A LIBER AMICORUM IN HONOR OF ALFRED HOFMANN, volume 2020 of LNAH, pages 151–154. Springer-Verlag, Berlin, 2020.
174. W.M.P. van der Aalst, V. Batagelj, D. Ignatov, M. Khachay, V. Kuskova, A. Kutuzov, S. Kuznetsov, I.A. Lomazova, N. Loukachevitch, A. Napoli, P. Pardalos, M. Pelillo, A. Savchenko, and E. Tutubalina, editors. ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS, REVISED AND SELECTED PAPERS OF AIST 2019, volume 1086 of COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE. Springer-Verlag, Berlin, 2020.
175. W.M.P. van der Aalst. Interview in the 2020 Gartner Market Guide for Process Mining, Research Note G00733123. www.gartner.com, 2020.
176. M. Rafiei and W.M.P. van der Aalst. Towards Quantifying Privacy in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2012.12031, 2020.
177. J. Yang, C. Ouyang, W.M.P. van der Aalst, A. ter Hofstede, and Y. Yu. OrgMining 2.0: A Novel Framework for Organizational Model Mining from Event Logs. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2011.12445, 2020.
178. W.M.P. van der Aalst, A. Auli, S. Remsen, M. Rosik, and H. Jansen. How to become a process hero in your company? PEX Process Excellence Network, 2020.
179. O. Hinz, W.M.P. van der Aalst, and C. Weinhardt. Research in the Attention Economy. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 62(2):83–85, 2020.
180. W.M.P. van der Aalst and A. Berti. Discovering Object-Centric Petri Nets. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2010.02047, 2020.
181. C. Weinhardt, S. Kloker, O. Hinz, and W.M.P. van der Aalst. Citizen Science in Information Systems Research. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 62(4):273–277, 2020.
182. M. Pourbafrani and W.M.P. van der Aalst. PMSD: Data-Driven Simulation Using System Dynamics and Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2010.00943, 2020.
183. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Efficient Time and Space Representation of Uncertain Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2010.00334, 2020.
184. W.M.P. van der Aalst. Bringing Data Insights and Automation Together: The Next Big Thing in Process Mining (Blog Post Celonis). https://www.celonis.com/blog/bringing-data-insights-and-automation-together/, 2020.
185. M. Pegoraro, M. S. Uysal, and W.M.P. van der Aalst. Conformance Checking over Uncertain Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2009.14452, 2020.
186. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Alignment Approximation for Process Trees. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2009.14094, 2020.
187. M. Rafiei and W.M.P. van der Aalst. Practical Aspect of Privacy-Preserving Data Publishing in Process Mining. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2009.11542, 2020.
188. M. Shankara Narayana, H. Khalifa, and W.M.P. van der Aalst. JXES: JSON Support for the XES Event Log Standard. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2009.06363, 2020.

189. A. Berti, W.M.P. van der Aalst, D. Zang, and M. Lang. An Open-Source Integration of Process Mining Features into the Camunda Workflow Engine: Data Extraction and Challenges. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2009.06209, 2020.
190. W.M.P. van der Aalst. The Self-Driving Enterprise: To Bring AI to Your Processes, Start With the EMS (Blog Post Celonis). https://www.celonis.com/blog/self-driving-enterprise-start-with-the-ems/, 2020.
191. A. Berti and W.M.P. van der Aalst. A Novel Token-Based Replay Technique to Speed Up Conformance Checking and Process Enhancement. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2007.14237, 2020.
192. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Efficient Construction of Behavior Graphs for Uncertain Event Data. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2002.08225, 2020.
193. C. Klinkmüller, I. Weber, A. Ponomarev, A. Binh Tran, and W.M.P. van der Aalst. Efficient Logging for Blockchain Applications. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2001.10281, 2020.
194. A. Berti and W.M.P. van der Aalst. Extracting Multiple Viewpoint Models from Relational Databases. COMPUTING RESEARCH REPOSITORY (CORR) IN ARXIV, abs/2001.02562, 2020.
195. W.M.P. van der Aalst. Fokus Prozesse: Von den Anfängen bis zur Verbesserung von Arbeitsabläufen in der Gesundheitsversorgung. In WISSENSMANAGER: DAS KMS MAGAZIN FÜR DIE GESUNDHEITSWIRTSCHAFT (HERBST 2019), pages 4–10. Springer-Verlag, Berlin, 2019.
196. W.M.P. van der Aalst. Using Process Mining to Removing Operational Friction in Shared Services (Blog Post SSON). https://www.ssonetwork.com/rpa/articles/removing-operational-friction-in-shared-services-using-process-mining, 2019.
197. W.M.P. van der Aalst. Process Mining: Bridging Not Only Data and Processes, but Also Industry and Academia (Blog Post Celonis). https://www.celonis.com/blog/process-mining-bridging-not-only-data-and-processes-but-also-industry-and-academia/, 2019.
198. W.M.P. van der Aalst, V. Batagelj, D. Ignatov, M. Khachay, V. Kuskova, A. Kutuzov, S. Kuznetsov, I.A. Lomazova, N. Loukachevitch, A. Napoli, P. Pardalos, M. Pelillo, A. Savchenko, and E. Tutubalina, editors. PROCEEDINGS OF ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS (AIST 2019), volume 11832 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2019.
199. B. Depaire, J. De Smedt, M. Dumas, D. Fahland, A. Kumar, H. Leopold, M. Reichert, S. Rinderle-Ma, S. Schulte, S. Seidel, and W.M.P. van der Aalst, editors. PROCEEDINGS OF THE DISSERTATION AWARD, DOCTORAL CONSORTIUM, AND DEMONSTRATION TRACK AT BPM 2019, volume 2420 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2019.
200. W.M.P. van der Aalst, R. Bergenthum, and J. Carmona, editors. PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2019), volume 2371 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2019.
201. W.M.P. van der Aalst. Interview in the 2019 Gartner Market Guide for Process Mining, Research Note G00387812 by M. Kerremans. www.gartner.com, 2019.
202. W.M.P. van der Aalst, O. Hinz, and C. Weinhardt. Big Digital Platforms - Growth, Impact, and Challenges. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 61(6):645–648, 2019.
203. C. Weinhardt, W.M.P. van der Aalst, and O. Hinz. Introducing Registered Reports to the Information Systems Community. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 61(4):381–384, 2019.
204. A. Berti, S.J. van Zelst, and W.M.P. van der Aalst. Process Mining for Python (PM4Py): Bridging the Gap Between Process and Data Science. CORR, abs/1905.06169, 2019.
205. M. Dees, M. de Leoni, W.M.P. van der Aalst, and H. Reijers. What if Process Predictions are not followed by Good Recommendations? CORR, abs/1905.10173, 2019.
206. M.S. Qafari and W.M.P. van der Aalst. Fairness-Aware Process Mining. CORR, abs/1908.11451, 2019.
207. A.F. Syring, N. Tax, and W.M.P. van der Aalst. Evaluating Conformance Measures in Process Mining using Conformance Propositions (Extended version). CORR, abs/1909.02393, 2019.
208. M. Pegoraro, M.S. Uysal, and W.M.P. van der Aalst. Discovering Process Models from Uncertain Event Data. CORR, abs/1909.11567, 2019.
209. M. Pegoraro and W.M.P. van der Aalst. Mining Uncertain Event Data in Process Mining. CORR, abs/1910.00089, 2019.
210. O. Hinz, W.M.P. van der Aalst, and C. Weinhardt. Blind Spots in Business and Information Systems Engineering. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 61(2):133–135, 2019.

211. W.M.P. van der Aalst, E. Best, and W. Penczek. Preface. FUNDAMENTA INFORMATICAE, 161(4):1–2, 2018.
212. J. Yong, G. Fortino, W. Shen, Y. Yang, K.M. Chao, and W.M.P. van der Aalst. Special Issue on Service-Oriented Collaborative Computing and Applications. IEEE TRANSACTIONS ON SERVICES COMPUTING, 11(2):277–278, 2018.
213. W.M.P. van der Aalst, R. Bergenthum, and J. Carmona, editors. PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2018), volume 2115 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2018.
214. A. Heinzl, W.M.P. van der Aalst, and M. Bichler. Why the Community Should Care About Technology-Centric Journal Rankings. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 60(2):91–93, 2018.
215. W.M.P. van der Aalst, F. Casati, R. Conforti, M. de Leoni, M. Dumas, A. Kumar, J. Mendling, S. Nepal, B. Pentland, and B. Weber, editors. PROCEEDINGS OF THE BPM DEMO TRACK AND BPM DISSERTATION AWARD CO-LOCATED WITH 16TH INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MODELING (BPM 2018), SYDNEY, AUSTRALIA, SEPTEMBER 9-14, 2018, volume 2196 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2018.
216. W.M.P. van der Aalst, M. Bichler, and A. Heinzl. Robotic Process Automation. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 60(4):269–272, 2018.
217. W.M.P. van der Aalst. Mining Spaghetti and Lasagna Processes: Bridging the Gap Between Data Science and Process Science. In E. Thiry, X. Van Huffel, and H. Diricks, editors, PROCEEDINGS OF THE 14TH SYMPOSIUM OF THE SCIENTIFIC COMMITTEE OF THE BELGIAN FOOD SAFETY AGENCY, pages 15–24. SciCom, 2018.
218. W.M.P. van der Aalst, V. Batagelj, G. Glavas, D. Ignatov, M. Khachay, S. Kuznetsov, O. Koltsovaand, I.A. Lomazova, N. Loukachevitch, A. Napoli, A. Panchenko, P. Pardalos, M. Pelillo, and A. Savchenko, editors. PROCEEDINGS OF ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS (AIST 2018), volume 11179 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2018.
219. A. Berti and W.M.P. van der Aalst. StarStar Models: Process Analysis on top of Databases. CORR, abs/1811.08143, 2018.
220. T. Jouck, A. Bolt, B. Depaire, M. de Leoni, and W.M.P. van der Aalst. An Integrated Framework for Process Discovery Algorithm Evaluation. CORR, abs/1806.07222, 2018.
221. W.M.P. van der Aalst. Markings in Perpetual Free-Choice Nets Are Fully Characterized by Their Enabled Transitions. CORR, abs/1801.04315, 2018.
222. W.M.P. van der Aalst, E. Best, and W. Penczek, editors. SPECIAL ISSUE BASED ON SELECTED AND EXTENDED PAPERS FROM PETRI NETS 2017, Fundamenta Informaticae, Volume 161, Number 4. IOS Press, Amsterdam, 2018.
223. W.M.P. van der Aalst. Interview in the 2018 Gartner Market Guide for Process Mining, Research Note G00353970 by M. Kerremans. www.gartner.com, 2018.
224. W.M.P. van der Aalst, V. Batagelj, G. Glavas, D. Ignatov, M. Khachay, S. Kuznetsov, O. Koltsovaand, I.A. Lomazova, N. Loukachevitch, A. Napoli, A. Panchenko, P. Pardalos, M. Pelillo, and A. Savchenko, editors. SUPPLEMENTARY PROCEEDINGS OF THE SEVENTH INTERNATIONAL CONFERENCE ON ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS (AIST 2018), volume 2268 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2018.
225. J. Yong, G. Fortino, W. Shen, Y. Yang, K.M. Chao, and W.M.P. van der Aalst, editors. SPECIAL ISSUE ON SERVICE-ORIENTED COLLABORATIVE COMPUTING AND APPLICATIONS, Special Issue of IEEE Transactions on Services Computing, Volume 11, Number 2. IEEE Computer Society, 2018.
226. W.M.P. van der Aalst. Maciej Koutny 60: Congratulations! In V. Khomenko, editor, HARNESSED CAUSALITY: ESSAYS DEDICATED TO MACIEJ KOUTNY ON THE OCCASION OF HIS 60TH BIRTHDAY, pages 127–128. Newcastle University, UK, 2018.
227. W.M.P. van der Aalst, D. Ignatov, M. Khachay, S. Kuznetsov, V. Lempitsky, I. Lomazova, N. Loukachevitch, N. Napoli, A. Panchenko, P. Pardalos, A. Savchenko, and S. Wasserman, editors. PROCEEDINGS OF ANALYSIS OF IMAGES, SOCIAL NETWORKS AND TEXTS (AIST 2017), volume 10716 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2018.

228. N. Tax, N. Sidorova, and W.M.P. van der Aalst. Local Process Models: Pattern Mining with Process Models. In PROCEEDINGS OF THE TWENTY-SIXTH BENELUX CONFERENCE ON MACHINE LEARNING (BENELEARN 2017), pages 75–76. Eindhoven University of Technology, 2016.
229. W.M.P. van der Aalst, M. Bichler, and A. Heinzl. Responsible Data Science. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 59(5):311–313, 2017.
230. A. Heinzl, M. Bichler, and W.M.P. van der Aalst. Trans-National Joint Research Projects: Defying the Odds of National Inter-University Competition. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 59(4):205–206, 2017.
231. W.M.P. van der Aalst, A. Bolt, and S.J. van Zelst. RapidProM: Mine Your Processes and Not Just Your Data. CORR, abs/1703.03740, 2017.
232. M. Bichler, A. Heinzl, and W.M.P. van der Aalst. Business Analytics and Data Science: Once Again? BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 59(2):77–79, 2017.
233. W.M.P. van der Aalst, R. Bergenthum, and J. Carmona, editors. PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2017), volume 1847 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2017.
234. R. Clarisó, H. Leopold, J.M., W.M.P. van der Aalst, A. Kumar, B. Pentland, and M. Weske, editors. PROCEEDINGS OF THE BPM DEMO TRACK AND BPM DISSERTATION AWARD CO-LOCATED WITH 15TH INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MODELING (BPM 2017), BARCELONA, SPAIN, SEPTEMBER 13, 2017, volume 1920 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2017.
235. W.M.P. van der Aalst. Discovering Petri Nets: It's a Kind of Magic. In A. Azimi, H. Hogenboom, J. Kleijn, M. van der Nat, I. Petre, and A. Salomaa, editors, A MAGICIAN IN SCIENCE: LIBER AMORICUM GRZEGORZ ROZENBERG, pages 69–70. Turku Center for Computer Science, Finland, 2017.
236. J. Mendling, I. Weber, W.M.P. van der Aalst, J. vom Brocke, and et al. Blockchains for Business Process Management - Challenges and Opportunities. CORR, abs/1704.03610, 2017.
237. W.M.P. van der Aalst, G. Li, and M. Montali. Object-Centric Behavioral Constraints. CORR, abs/1703.05740, 2017.
238. W.M.P. van der Aalst, R. De Masellis, C. Di Francescomarino, and C. Ghidini. Learning Hybrid Process Models From Events: Process Discovery Without Faking Confidence. CORR, abs/1703.06125, 2017.
239. S.J. van Zelst, B.F. van Dongen, W.M.P. van der Aalst, and H.M.W. Verbeek. Discovering Relaxed Sound Workflow Nets using Integer Linear Programming. CORR, abs/1703.06733, 2017.
240. N. Tax, B. Dalmas, N. Sidorova, W.M.P. van der Aalst, and S. Norre. Interest-Driven Discovery of Local Process Models. CORR, abs/1703.07116, 2017.
241. S.J. van Zelst, B.F. van Dongen, and W.M.P. van der Aalst. Event Stream-Based Process Discovery using Abstract Representations. CORR, abs/1704.08101, 2017.
242. N. Tax, X. Lu, N. Sidorova, D. Fahland, and W.M.P. van der Aalst. The Imprecisions of Precision Measures in Process Mining. CORR, abs/1705.03303, 2017.
243. N. Tax, E. Alasgarov, N. Sidorova, W.M.P. van der Aalst, and R. Haakma. Time-Based Label Refinements to Discover More Precise Process Models. CORR, abs/1705.09359, 2017.
244. N. Tax, N. Sidorova, R. Haakma, and W.M.P. van der Aalst. Mining Process Model Descriptions of Daily Life through Event Abstraction. CORR, abs/1705.10202, 2017.
245. M. L. van Eck, N. Sidorova, and W.M.P. van der Aalst. Guided Interaction Exploration in Artifact-centric Process Models. CORR, abs/1706.02109, 2017.
246. R. Brochenin, J. Buijs, M. Vahdat, and W.M.P. van der Aalst. Resource Usage Analysis from a Different Perspective on MOOC Dropout. CORR, abs/1710.05917, 2017.
247. M. Leemans, W.M.P. van der Aalst, and M. van den Brand. Recursion Aware Modeling and Discovery For Hierarchical Software Event Log Analysis (Extended). CORR, abs/1710.09323, 2017.
248. N. Tax, N. Sidorova, and W.M.P. van der Aalst. Discovering More Precise Process Models from Event Logs by Filtering Out Chaotic Activities. CORR, abs/1711.01287, 2017.
249. W.M.P. van der Aalst, M. Bichler, and A. Heinzl. Open Research in Business and Information Systems Engineering. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 58(6):375–379, 2016.
250. W.M.P. van der Aalst, R. Bergenthum, and J. Carmona, editors. PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2016), volume 1592 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2016.

251. A. Heinzl, M. Bichler, and W.M.P. van der Aalst. Disciplinary Pluralism, Flagship Conferences, and Journal Submissions. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 58(4):243–243, 2016.
252. N. Tax, N. Sidoriva, R. Haaksma, and W.M.P. van der Aalst. Mining Local Process Models. CORR, abs/1606.06066, 2016.
253. N. Tax, N. Sidoriva, R. Haaksma, and W.M.P. van der Aalst. Log-based Evaluation of Label Splits for Process Models. CORR, abs/1606.07259, 2016.
254. N. Tax, N. Sidorova, R. Haakma, and W.M.P. van der Aalst. Event Abstraction for Process Mining Using Supervised Learning Techniques. In Y. Bi, S. Kapoor, and R. Bhatia, editors, PROCEEDINGS OF SAI INTELLIGENT SYSTEMS CONFERENCE (INTELLISYS 2016), pages 251–269. Springer-Verlag, Berlin, 2016.
255. M. Bichler, A. Heinzl, and W.M.P. van der Aalst. BISE and the Engineering Sciences. BUSINESS AND INFORMATION SYSTEMS ENGINEERING, 58(2):105–106, 2016.
256. W.M.P. van der Aalst, J.L. Zhao, and H.J. Wang. Business Process Intelligence: Connecting Data and Processes. ACM TRANSACTIONS ON MANAGEMENT INFORMATION SYSTEMS, 5(4):18e:1–18e:7, 2015.
257. W.M.P. van der Aalst, R. Bergenthum, and J. Carmona, editors. PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ALGORITHMS AND THEORIES FOR THE ANALYSIS OF EVENT DATA (ATAED 2015), volume 1371 of CEUR WORKSHOP PROCEEDINGS. CEUR-WS.org, 2015.
258. W.M.P. van der Aalst and F. van Geffen, editors. SPECIAL ISSUE OF INFORMATIE ON PROCESS MINING, Informatie, June 2014.
259. W.M.P. van der Aalst. Leren van Positieve Afwijkingen. In HET BESTE IDEE VAN 2014, pages 85–88. Uitgeverij De Wereld, 2014.
260. W.M.P. van der Aalst. Brandstof voor de toekomst. COMPUTABLE, pages 28–29, Feb 2014.
261. W.M.P. van der Aalst. Preface. In R. Ramanathan and K. Raja, editors, HANDBOOK OF RESEARCH ON ARCHITECTURAL TRENDS IN SERVICE-DRIVEN COMPUTING, pages 1–2. IGI Global, 2014.
262. W.M.P. van der Aalst, M. La Rosa, and F.M. Santoro. BPM Use Cases: Structuring the Business Process Management Discipline. SOFTWARE AND SYSTEMS MODELING, 6(5):309–310, 2014.
263. R. Accorsi, E. Damiani, and W. van der Aalst. Unleashing Operational Process Mining (Dagstuhl Seminar 13481). DAGSTUHL REPORTS, 3(11):154–192, 2014.
264. W.M.P. van der Aalst. Passages in Graphs. CORR, abs/1304.1000, 2013.
265. M. Koutny, W.M.P. van der Aalst, and A. Yakovlev, editors. SPECIAL ISSUE OF TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC VIII), volume 8100 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2013.
266. A. Burattin, A. Sperduti, and W.M.P. van der Aalst. Heuristics Miners for Streaming Event Data. CORR, abs/1212.6383, 2012.
267. W.M.P. van der Aalst. Desire Lines in Big Data: Using Event Data for Process Discovery and Conformance Checking. In J. Becker and M. Matzner, editors, PROMOTING BUSINESS PROCESS MANAGEMENT EXCELLENCE IN RUSSIA (PROPELLER 2012), pages 23–30. European Research Center for Information Systems, 2013.
268. W.M.P. van der Aalst. Olifantenpaden in Data. In HET BESTE IDEE VAN 2013, pages 20–22. Uitgeverij De Wereld, 2013.
269. W.M.P. van der Aalst, P.M.E. De Bra, and M.A. van Buul, editors. LIBER AMICORUM KEES VAN HEE. Technische Universiteit Eindhoven, 2011.
270. K. Jensen, W.M.P. van der Aalst, G. Balbo, M. Koutny, and K. Wolf, editors. SPECIAL ISSUE OF TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC VII), volume 7480 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2013.
271. K. Jensen, W.M.P. van der Aalst, M. Ajmone Marsan, G. Franceschinis, J. Kleijn, and L.M. Kristensen, editors. SPECIAL ISSUE OF TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC VI), volume 7400 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2012.
272. W.M.P. van der Aalst, A. Burattin, M. de Leoni, A. Guzzo, F.M. Maggi, and M. Montali. Process Mining: Come estrarre conoscenza dai log dei sistemi informativi orientati ai processi. MONDO DIGITALE, 11(43):1–18, 2012.
273. A. Rozinat and W. van der Aalst. Objektivierung des bauchgefühls (in german). BUSINESS TECHNOLOGY, 9(2):30–34, 2012.
274. W.M.P. van der Aalst. Petri Nets at TU/e. PETRI NET NEWSLETTER, 79:27–33, 2011.

275. W.M.P. van der Aalst. Process Mining Biedt Nieuwe Mogelijkheden: Geef Informatiesystemen TomTom-Functionaliteit. KLUWER MANAGEMENT: VERDIEPING, 169:1–11, 2010.
276. W.M.P. van der Aalst and. B. van Dongen, C.W. Günther, A. Rozinat, E. Verbeek, and T. Weijters. ProM: The Process Mining Toolkit. In A.K.A. de Medeiros and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMONSTRATION TRACK (BPM DEMOS 2009), volume 489 of CEUR WORKSHOP PROCEEDINGS, pages 1–4. CEUR-WS.org, 2009.
277. M. Pesic, H.M. Schonenberg, and W.M.P. van der Aalst. DECLARE Demo: A Constraint-based Workflow Management System. In A.K.A. de Medeiros and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMONSTRATION TRACK (BPM DEMOS 2009), volume 489 of CEUR WORKSHOP PROCEEDINGS, pages 1–4. CEUR-WS.org, 2009.
278. F. Cardi, M. de Leoni, M. Adams, A. ter Hofstede, and W.M.P. van der Aalst. Visual Support for Work Assignment in YAWL. In A.K.A. de Medeiros and B. Weber, editors, BUSINESS PROCESS MANAGEMENT DEMONSTRATION TRACK (BPM DEMOS 2009), volume 489 of CEUR WORKSHOP PROCEEDINGS, pages 1–5. CEUR-WS.org, 2009.
279. M. Zapletal, W.M.P. van der Aalst, N. Russell, P. Liegl, and H. Werthner. Pattern-Based Analysis of Windows Workflow. Computer Science Report No. 09-07, Technische Universiteit Eindhoven, The Netherlands, 2009.
280. W.M.P. van der Aalst, K.M. van Hee, N. Sidorova, and J.M. van der Werf. Compositional Service Trees. Computer Science Report No. 09-01, Technische Universiteit Eindhoven, The Netherlands, 2009.
281. P. Wohed, A.H.M. ter Hofstede, N. Russell, B. Andersson, and W.M.P. van der Aalst. On the Maturity of Open Source BPM Systems. BPTRENDS, 7(6):1–11, June 2009.
282. W.M.P. van der Aalst, editor. SPECIAL ISSUE OF TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY ON CONCURRENCY IN PROCESS-AWARE INFORMATION SYSTEMS (TOPNOC II), volume 5460 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2009.
283. W.M.P. van der Aalst and J. Billington, editors. SPECIAL ISSUE OF TRANSACTIONS ON PETRI NETS AND OTHER MODELS OF CONCURRENCY (TOPNOC I), volume 5100 of LECTURE NOTES IN COMPUTER SCIENCE. Springer-Verlag, Berlin, 2008.
284. N. Russell and W.M.P. van der Aalst. Workflow Resource Patterns as a Tool to Support OASIS BPEL4People Standardization Efforts. BPTRENDS, 6(3):1–26, March 2008.
285. O. Brousseau, B. Dooley, M. Fung-A-Fat, M. Guttman, M. Hartges, B. Kiepuszewski, D. Krafzig, M. Kunz, K Orr F. Moesch, J Parodi, N Russell, T Stahl D Slama, B Stokalski, M Strozanski, K Swenson, A.H.M. ter Hofstede, and W.M.P. van der Aalst. INNOVATIONS IN BUSINESS PROCESS THINKING. Cutter Information LLC, Arlington, MA, USA, 2007.
286. B. Weber, B.F. van Dongen, M. Pesic, C.W. Günther, and W.M.P. van der Aalst. Supporting Flexible Processes Through Recommendations Based on History. BETA Working Paper Series, WP 212, Eindhoven University of Technology, Eindhoven, 2007.
287. W.M.P. van der Aalst, F. Leymann, and W. Reisig, editors. THE ROLE OF BUSINESS PROCESSES IN SERVICE ORIENTED ARCHITECTURES, Special Issue of the International Journal of Business Process Integration and Management, Volume 2, Number 2. Inderscience Publishers, 2007.
288. J. Chen and W.M.P. van der Aalst. On Scientific Workflow. TCSC NEWSLETTER, IEEE TECHNICAL COMMITTEE ON SCALABLE COMPUTING, 9(1), 2007.
289. C. Bratosin and W.M.P. van der Aalst. Workflow Management Systems for Grid Computing. ERCIM NEWS, 70:17–18, 2007.
290. A. Rozinat, I.S.M. de Jong, C.W. Günther, and W.M.P. van der Aalst. Process Mining of Test Processes: A Case Study. BETA Working Paper Series, WP 220, Eindhoven University of Technology, Eindhoven, 2007.
291. A. Rozinat, R.S. Mans, M. Song, and W.M.P. van der Aalst. Discovering Simulation Models. BETA Working Paper Series, WP 223, Eindhoven University of Technology, Eindhoven, 2007.
292. S. Rinderle-Ma and W.M.P. van der Aalst. Life-Cycle Support for Staff Assignment Rules in Process-Aware Information Systems. BETA Working Paper Series, WP 213, Eindhoven University of Technology, Eindhoven, 2007.
293. K. Bisgaard Lassen, B.F. van Dongen, and W.M.P. van der Aalst. Translating Message Sequence Charts to other Process Languages using Process Mining. BETA Working Paper Series, WP 207, Eindhoven University of Technology, Eindhoven, 2007.

294. W.M.P. van der Aalst. BPM and Workflow Analysis. BPTRENDS, 5(4):1–2, April 2007.
295. A.J.M.M. Weijters, W.M.P. van der Aalst, and A.K. Alves de Medeiros. Process Mining with the Heuristics Miner-algorithm. BETA Working Paper Series, WP 166, Eindhoven University of Technology, Eindhoven, 2006.
296. W.M.P. van der Aalst, V. Rubin, B.F. van Dongen, E. Kindler, and C.W. Günther. Process Mining: A Two-Step Approach using Transition Systems and Regions. BPM Center Report BPM-06-30, BPMcenter.org, 2006.
297. W.M.P. van der Aalst. Process Mining and Monitoring Processes and Services: Workshop Report. In F. Leymann, W. Reisig, S.R. Thatte, and W.M.P. van der Aalst, editors, THE ROLE OF BUSINESS PROCESSES IN SERVICE ORIENTED ARCHITECTURES, number 6291 in Dagstuhl Seminar Proceedings. Internationales Begegnungs- und Forschungszentrum für Informatik (IBFI), Schloss Dagstuhl, Germany, July 2006.
298. W.M.P. van der Aalst, M. Dumas, C. Ouyang, A. Rozinat, and H.M.W. Verbeek. Choreography Mining and Conformance Checking. In F. Leymann, W. Reisig, S.R. Thatte, and W.M.P. van der Aalst, editors, THE ROLE OF BUSINESS PROCESSES IN SERVICE ORIENTED ARCHITECTURES, number 6291 in Dagstuhl Seminar Proceedings. Internationales Begegnungs- und Forschungszentrum für Informatik (IBFI), Schloss Dagstuhl, Germany, July 2006.
299. M. Pesic and W.M.P. van der Aalst. DecSerFlow: Towards a Truly Declarative Service Flow Language. In F. Leymann, W. Reisig, S.R. Thatte, and W.M.P. van der Aalst, editors, THE ROLE OF BUSINESS PROCESSES IN SERVICE ORIENTED ARCHITECTURES, number 6291 in Dagstuhl Seminar Proceedings. Internationales Begegnungs- und Forschungszentrum für Informatik (IBFI), Schloss Dagstuhl, Germany, July 2006.
300. J. Mendling, G. Neumann, W. van der Aalst, B. van Dongen, and E. Verbeek. SAP's Referenzmodell: Sand im Getriebe (in German). MAGAZIN FÜR PROFESSIONELLE INFORMATIONSTECHNIK: IX, 13(8):131–133, August 2006.
301. W.M.P. van der Aalst and W. Reisig, editors. ADVANCED TUTORIAL ON PETRI NET MODELLING OF BUSINESS PROCESSES (SATELLITE EVENT OF ACSD'06 AND ICATPN'06), Turku, Finland, June 2006.
302. J. Mendling, W. van der Aalst, B. van Dongen, and E. Verbeek. Errors in the SAP Reference Model. BPTRENDS, 4(6):1–5, June 2006.
303. W.M.P. van der Aalst, B. van Dongen, J. Mendling, and E. Verbeek. Fouten in SAP Referentiemodel. AUTOMATISERING GIDS, 40(20):17–17, May 2006.
304. W.M.P. van der Aalst. Modellen Zitten Vol Fouten (Interview). COMPUTABLE, 39(20):28–29, May 2006.
305. W.M.P. van der Aalst, B. Benatallah, F. Casati, F. Curbera, and H.M.W. Verbeek, editors. ADVANCES IN BUSINESS PROCESS MANAGEMENT, Special Issue of Data and Knowledge Engineering, Volume 61, Issue 1. Elsevier Science Publishers, Amsterdam, 2006.
306. K.B. Lassen and W.M.P. van der Aalst. WorkflowNet2BPEL4WS: A Tool for Translating Unstructured Workflow Processes to Readable BPEL. BETA Working Paper Series, WP 167, Eindhoven University of Technology, Eindhoven, 2006.
307. A. Rozinat and W.M.P. van der Aalst. Decision Mining in Business Processes. BETA Working Paper Series, WP 164, Eindhoven University of Technology, Eindhoven, 2006.
308. C.W. Günther and W.M.P. van der Aalst. Mining Activity Clusters from Low-Level Event Logs. BETA Working Paper Series, WP 165, Eindhoven University of Technology, Eindhoven, 2006.
309. W.M.P. van der Aalst, M. Dumas, C. Ouyang, A. Rozinat, and H.M.W. Verbeek. Choreography Conformance Checking: An Approach based on BPEL and Petri Nets (extended version). BPM Center Report BPM-05-25, BPMcenter.org, 2005.
310. C. Ouyang, W.M.P. van der Aalst, S. Breutel, M. Dumas, A.H.M. ter Hofstede, and H.M.W. Verbeek. Formal Semantics and Analysis of Control Flow in WS-BPEL (Revised Version). BPM Center Report BPM-05-15, BPMcenter.org, 2005.
311. A. Rozinat and W.M.P. van der Aalst. Conformance Testing: Measuring the Alignment Between Event Logs and Process Models. BETA Working Paper Series, WP 144, Eindhoven University of Technology, Eindhoven, 2005.
312. W.M.P. van der Aalst and K.B. Lassen. Translating Workflow Nets to BPEL4WS. BETA Working Paper Series, WP 145, Eindhoven University of Technology, Eindhoven, 2005.

313. M. Pesic and W.M.P. van der Aalst. Modeling Work Distribution Mechanisms using Colored Petri Nets. BETA Working Paper Series, WP 146, Eindhoven University of Technology, Eindhoven, 2005.
314. Günther and W.M.P. van der Aalst. Process Mining in Case Handling Systems. BETA Working Paper Series, WP 150, Eindhoven University of Technology, Eindhoven, 2005.
315. W.M.P. van der Aalst. Pi Calculus Versus Petri Nets: Let Us Eat Humble Pie Rather Than Further Inflate the Pi Hype. BPTRENDS, 3(5):1–11, May 2005.
316. N. Mulyar and W.M.P. van der Aalst. Patterns in Colored Petri Nets. BETA Working Paper Series, WP 139, Eindhoven University of Technology, Eindhoven, 2005.
317. W.M.P. van der Aalst, H.T. de Beer, and B.F. van Dongen. Process Mining and Verification of Properties: An Approach based on Temporal Logic. BETA Working Paper Series, WP 136, Eindhoven University of Technology, Eindhoven, 2005.
318. N. Russell, A.H.M. ter Hofstede, D. Edmond, and W.M.P. van der Aalst. Workflow Resource Patterns. BETA Working Paper Series, WP 127, Eindhoven University of Technology, Eindhoven, 2005.
319. A.K. Alves de Medeiros, A.J.M.M. Weijters, and W.M.P. van der Aalst. Using Genetic Algorithms to Mine Process Models: Representation, Operators and Results. BETA Working Paper Series, WP 124, Eindhoven University of Technology, Eindhoven, 2004.
320. M.T. Wynn, D. Edmond, W.M.P. van der Aalst, and A.H.M. ter Hofstede. Achieving a General, Formal and Decidable Approach to the OR-join in Workflow using Reset nets. QUT Technical report, FIT-TR-2004-02, Queensland University of Technology, Brisbane, 2004.
321. M. Weske, W.M.P. van der Aalst, and H.M.W. Verbeek, editors. ADVANCES IN BUSINESS PROCESS MANAGEMENT, Special Issue of Data and Knowledge Engineering, Volume 50, Issue 1. Elsevier Science Publishers, Amsterdam, 2004.
322. W.M.P. van der Aalst and M. Song. Discovering Social Networks from Event Logs. BETA Working Paper Series, WP 116, Eindhoven University of Technology, Eindhoven, 2004.
323. W.M.P. van der Aalst. Matching Observed Behavior and Modeled Behavior: An Approach Based on Petri nets and Integer Programming. BETA Working Paper Series, WP 117, Eindhoven University of Technology, Eindhoven, 2004.
324. L. Wen, J. Wang, W.M.P. van der Aalst, Z. Wang, and J. Sun. A Novel Approach for Process Mining Based on Event Types. BETA Working Paper Series, WP 118, Eindhoven University of Technology, Eindhoven, 2004.
325. A.K. Alves de Medeiros, B.F. van Dongen, W.M.P. van der Aalst, and A.J.M.M. Weijters. Process Mining: Extending the Alpha-algorithm to Mine Short Loops. BETA Working Paper Series, WP 113, Eindhoven University of Technology, Eindhoven, 2004.
326. N. Russell, A.H.M. ter Hofstede, D. Edmond, and W.M.P. van der Aalst. Workflow Data Patterns. QUT Technical report, FIT-TR-2004-01, Queensland University of Technology, Brisbane, 2004.
327. W.M.P. van der Aalst and A.J.M.M. Weijters, editors. PROCESS MINING, Special Issue of Computers in Industry, Volume 53, Number 3. Elsevier Science Publishers, Amsterdam, 2004.
328. P. Wohed, W.M.P. van der Aalst, M. Dumas, A.H.M. ter Hofstede, and N. Russell. Pattern-based Analysis of UML Activity Diagrams. BETA Working Paper Series, WP 129, Eindhoven University of Technology, Eindhoven, 2004.
329. W.M.P. van der Aalst, C. Bussler, and A. Gal. CoopIS 2004 International Conference (International Conference on Cooperative Information Systems) PC Co-chairs Message. In R. Meersman, Z. Tari, W.M.P. van der Aalst, C. Bussler, and A. Gal et al., editors, ON THE MOVE TO MEANINGFUL INTERNET SYSTEMS 2004: COOPIS, DOA, AND ODBASE: OTM CONFEDERATED INTERNATIONAL CONFERENCES, COOPIS, DOA, AND ODBASE 2004, volume 3290 of LECTURE NOTES IN COMPUTER SCIENCE, pages 1–1, 2004.
330. W.M.P. van der Aalst, L. Aldred, M. Dumas, and A.H.M. ter Hofstede. Design and Implementation of the YAWL System. QUT Technical report, FIT-TR-2003-07, Queensland University of Technology, Brisbane, 2003.
331. M. Rosemann and W.M.P. van der Aalst. A Configurable Reference Modelling Language. QUT Technical report, FIT-TR-2003-05, Queensland University of Technology, Brisbane, 2003.
332. W.M.P. van der Aalst. Patterns and XPDL: A Critical Evaluation of the XML Process Definition Language. QUT Technical report, FIT-TR-2003-06, Queensland University of Technology, Brisbane, 2003.

333. W.M.P. van der Aalst. Wetenschap ontmoet producenten op BPM-congres (interview). BUSINESS PROCESS MAGAZINE, 9(5):42–44, 2003.
334. W.M.P. van der Aalst, A.J.M.M. Weijters, and L. Maruster. Workflow Mining: Discovering Process Models from Event Logs. QUT Technical report, FIT-TR-2003-03, Queensland University of Technology, Brisbane, 2003.
335. W.M.P. van der Aalst and A.H.M. ter Hofstede. YAWL: Yet Another Workflow Language (Revised Version). QUT Technical report, FIT-TR-2003-04, Queensland University of Technology, Brisbane, 2003.
336. W.M.P. van der Aalst. Business Process Management: Instrumente der Zukunft (in German). FIN.KOM: MAGAZIN FÜR BANKING INNOVATION, 3(3):2–3, 2003.
337. W.M.P. van der Aalst. Workflow mining of: Hoe werken we nu echt? (Procesmodellen destilleren uit workflow- of event- logs) (in Dutch). BUSINESS PROCESS MAGAZINE, 9(6):13–17, 2003.
338. W.M.P. van der Aalst. Petrinet brengt processen in kaart (interview). NETWORK WORLD, 1(2):16–17, 2003.
339. W.M.P. van der Aalst. Workflow: Vijftien jaar jong en nog volop in groei (interview). ICT IN ZEKERHEID, 3(5):4–7, 2003.
340. W.M.P. van der Aalst. Congresserend de zomer door. COMPUTABLE, 36(23):14–15, 2003.
341. W.M.P. van der Aalst. Challenges in Business Process Management: Verification of business processes using Petri nets. BULLETIN OF THE EATCS, 80:174–198, 2003.
342. W.M.P. van der Aalst and A.H.M. ter Hofstede. YAWL: Yet Another Workflow Language. QUT Technical report, FIT-TR-2002-06, Queensland University of Technology, Brisbane, 2002.
343. P. Wohed, W.M.P. van der Aalst, M. Dumas, and A.H.M. ter Hofstede. Pattern-Based Analysis of BPEL4WS. QUT Technical report, FIT-TR-2002-04, Queensland University of Technology, Brisbane, 2002.
344. W.M.P. van der Aalst, M. Dumas, A.H.M. ter Hofstede, and P. Wohed. Pattern-Based Analysis of BPML (and WSCI). QUT Technical report, FIT-TR-2002-05, Queensland University of Technology, Brisbane, 2002.
345. W.M.P. van der Aalst and T. Weijters. X-tra - Kleinduimpje in Workflowland: Op zoek naar procesdata. SCOPE, 10(12):38–40, 2002.
346. W.M.P. van der Aalst, K.M. van Hee, and R.A. van der Toorn. Construction Rules for Component-Based Architectures. Computing Science Reports 02/08, Eindhoven University of Technology, Eindhoven, 2002.
347. B. Kiepuszewski, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Fundamentals of Control Flow in Workflows. QUT Technical report, FIT-TR-2002-03, Queensland University of Technology, Brisbane, 2002.
348. W.M.P. van der Aalst, A.J.M.M. Weijters, and L. Maruster. Workflow Mining: Which Processes can be Rediscovered? BETA Working Paper Series, WP 74, Eindhoven University of Technology, Eindhoven, 2002.
349. W.M.P. van der Aalst, A.H.M. ter Hofstede, B. Kiepuszewski, and A.P. Barros. Workflow Patterns. QUT Technical report, FIT-TR-2002-02, Queensland University of Technology, Brisbane, 2002. (Also see http://www.workflowpatterns.com.).
350. W.M.P. van der Aalst. X-tra - Workflow Management Systemen: Doel of Middel. SCOPE, 9(2):34–36, 2002.
351. W.M.P. van der Aalst. Inheritance and Mining of WF-nets. In G. Engels, R. van Glabbeek, and U. Goltz, editors, CONCURRENCY AND DYNAMIC BEHAVIOR MODELING: PRAGMATICS AND SEMANTICS, Dagstuhl, March 2002. Dagstuhl Seminar Report 337.
352. W.M.P. van der Aalst and H. Reijers. Adviseurs slaan bij workflow-systemen de plank regelmatig mis. AUTOMATISERING GIDS, 36(15):15–15, 2002.
353. W.M.P. van der Aalst. Workflow Management Systemen: Doel of Middel. VIP, VAKBLAD VOOR DOCUMENTMANAGEMENT, 14(1-2):36–38, 2002.
354. W.M.P. van der Aalst. Studie effect workflow-systemen (interview). COMPUTABLE, 34(3):7–7, 2002.
355. H.M.W. Verbeek, W.M.P. van der Aalst, and A. Kumar. XRL/Woflan: Verification of an XML/Petri-net-based Language for Interorganizational Workflow. BETA Working Paper Series, WP 65, Eindhoven University of Technology, Eindhoven, 2001.
356. W.M.P. van der Aalst. Werkstroomsoftware hapert (interview). COMPUTABLE, 34(51):1–1, 2001.
357. W.M.P. van der Aalst. MAKING WORK FLOW: ON THE DESIGN, ANALYSIS AND ENACTMENT OF BUSINESS PROCESSES (INAUGURAL LECTURE GIVEN ON 30 NOVEMBER 2001). Eindhoven University of Technology, Eindhoven, The Netherlands, 2001.
358. W.M.P. van der Aalst. Valkuilen bij het Selecteren van Workflow Management Systemen. In NEDERLANDS ICT-KENNISCONGRES, pages 46–46, Den Haag, Sept 2001.

359. W.M.P. van der Aalst. Valkuilen bij het Selecteren van Workflow Management Systemen. VIP, VAKBLAD VOOR DOCUMENTMANAGEMENT, 13(3):25–25, 2001.
360. B. Kiepuszewski, A.H.M. ter Hofstede, and W.M.P. van der Aalst. Fundamentals of Control Flow in Workflows. QUT Technical report, FIT-TR-2001-01, Queensland University of Technology, Brisbane, 2001.
361. W.M.P. van der Aalst. Het kantoor als thuishaven (interview). COMPUTABLE, 34(9):33–35, 2001.
362. W.M.P. van der Aalst and K.M. van Hee. Workflow Management: Models, Methods, and Systems. BETA Working Paper Series, WP 52, Eindhoven University of Technology, Eindhoven, 2001.
363. W.M.P. van der Aalst. Exterminating the Dynamic Change Bug: A Concrete Approach to Support Change. BETA Working Paper Series, WP 51, Eindhoven University of Technology, Eindhoven, 2000.
364. W.M.P. van der Aalst and T. Basten. Inheritance of Workflows: An approach to tackling problems related to change. BETA Working Paper Series, WP 50, Eindhoven University of Technology, Eindhoven, 2000.
365. H.M.W. Verbeek, T. Basten, and W.M.P. van der Aalst. Diagnosing Workflow Processes Using Woflan. BETA Working Paper Series, WP 48, Eindhoven University of Technology, Eindhoven, 2000.
366. W.M.P. van der Aalst, K.M. van Hee, and R.A. van der Toorn. Component-Based Software Architectures: A Framework Based on Inheritance of Behavior. BETA Working Paper Series, WP 45, Eindhoven University of Technology, Eindhoven, 2000.
367. W.M.P. van der Aalst, A.H.M. ter Hofstede, B. Kiepuszewski, and A.P. Barros. Workflow Patterns. BETA Working Paper Series, WP 47, Eindhoven University of Technology, Eindhoven, 2000.
368. W.M.P. van der Aalst. Inheritance of Interorganizational Workflows: How to Agree to Disagree Without Loosing Control? BETA Working Paper Series, WP 46, Eindhoven University of Technology, Eindhoven, 2000.
369. W.M.P. van der Aalst and S. Jablonski. Editorial: Flexible Workflow Technology Driving the Networked Economy. INTERNATIONAL JOURNAL OF COMPUTER SYSTEMS, SCIENCE, AND ENGINEERING, 15(5):265–266, 2000.
370. W.M.P. van der Aalst and S. Jablonski, editors. FLEXIBLE WORKFLOW TECHNOLOGY DRIVING THE NETWORKED ECONOMY, Special Issue of the International Journal of Computer Systems, Science, and Engineering, volume 15, number 5. CRL Publishing Ltd, 2000.
371. W.M.P. van der Aalst. Process Design by Discovery: Harvesting Workflow Knowledge from Ad-hoc Executions. In M. Jarke, D.E. O'Leary, and R. Studer, editors, KNOWLEDGE MANAGEMENT: AN INTERDISCIPLINARY APPROACH, pages 9–10, Dagstuhl, July 2000. Dagstuhl Seminar Report, 281.
372. W.M.P. van der Aalst. Gevangen in Petri-netten (interview). BUSINESS PROCESS MAGAZINE, 6(8):35–38, 2000.
373. W.M.P. van der Aalst. Inheritance of Interorganizational Workflows: How to Agree to Disagree Without Loosing Control? Technical Report, CU-CS-899-00, University of Colorado, Department of Computer Science, Boulder, USA, 2000.
374. W.M.P. van der Aalst, K.M. van Hee, and R.A. van der Toorn. Component-Based Software Architectures: A Framework Based on Inheritance of Behavior. Technical Report, CU-CS-892-99, University of Colorado, Department of Computer Science, Boulder, USA, 1999.
375. T. Basten and W.M.P. van der Aalst. Inheritance of Behavior. Computing Science Report 99/17, Eindhoven University of Technology, Eindhoven, 1999.
376. W.M.P. van der Aalst. Inheritance of Workflow Processes: Four Problems-One Solution? In F. Cummins, editor, PROCEEDINGS OF THE SECOND OOPSLA WORKSHOP ON THE IMPLEMENTATION AND APPLICATION OF OBJECT-ORIENTED WORKFLOW MANAGEMENT SYSTEMS, pages 1–22, Denver, Colorado, 1999. (Electronic proceedings, see http://st.cs.uiuc.edu/OOPSLA99/).
377. W.M.P. van der Aalst and C. Bussler. Tutorial T4 - Workflow Management: Concepts, Models, Methods, and Tools. In S. Bodker, M. Kyng, and K. Schmidt, editors, PROCEEDINGS OF THE 6TH EUROPEAN CONFERENCE ON COMPUTER SUPPORTED COOPERATIVE WORK ECSCW'99 (SUPPLEMENT), pages 41–42, Copenhagen, Denmark, September 1999.
378. W.M.P. van der Aalst, J. Desel, and R. Kaschek, editors. SOFTWARE ARCHITECTURES FOR BUSINESS PROCESS MANAGEMENT (SABPM'99), Heidelberg, Germany, June 1999. Forschungsbericht Nr. 390, University of Karlsruhe, Institut AIFB, Karlsruhe, Germany.
379. H.M.W. Verbeek, T. Basten, and W.M.P. van der Aalst. Diagnosing Workflow Processes using Woflan. Computing Science Report 99/02, Eindhoven University of Technology, Eindhoven, 1999.

380. W.M.P. van der Aalst and T. Basten. Inheritance of Workflows: An Approach to Tackling Problems Related to Change. Computing Science Reports 99/06, Eindhoven University of Technology, Eindhoven, 1999.
381. W.M.P. van der Aalst. How to Handle Dynamic Change and Capture Management Information? An Approach Based on Generic Workflow Models. Technical Report, UGA-CS-TR-99-01, University of Georgia, Department of Computer Science, Athens, USA, 1999.
382. E. Kindler and W.M.P. van der Aalst. Liveness, fairness, and recurrence. Technical Report, UGA-CS-TR-99-02, University of Georgia, Department of Computer Science, Athens, USA, 1999.
383. W.M.P. van der Aalst. Changing Workflows: On the interplay between flexibility and support. In J. Desel, A. Oberweis, W. Reisig, and G. Rozenberg, editors, PETRI NETS AND BUSINESS PROCESS MANAGEMENT, pages 5–6, Dagstuhl, July 1998. Dagstuhl Seminar Report, 217.
384. W.M.P. van der Aalst and A.H.M. ter Hofstede. Verification of Workflow Task Structures: A Petri-net-based Approach. Forschungsbericht Nr. 380, Universität Karlsruhe, Institut AIFB, Karlsruhe, 1998.
385. W.M.P. van der Aalst. Reengineering Knock-out Processes. Forschungsbericht Nr. 381, Universität Karlsruhe, Institut AIFB, Karlsruhe, 1998.
386. W.M.P. van der Aalst, E. Kindler, and J. Desel. Beyond Asymmetric Choice: A note on some extensions. PETRI NET NEWSLETTER, 55:3–13, 1998.
387. W.M.P. van der Aalst, G. De Michelis, and C.A. Ellis, editors. PROCEEDINGS OF WORKFLOW MANAGEMENT: NET-BASED CONCEPTS, MODELS, TECHNIQUES AND TOOLS (WFM'98), Lisbon, Portugal, June 1998. UNINOVA, Lisbon.
388. W.M.P. van der Aalst. Formalization and Verification of Event-driven Process Chains. Computing Science Reports 98/01, Eindhoven University of Technology, Eindhoven, 1998.
389. W.M.P. van der Aalst. On the Verification of Interorganizational Workflows. Computing Science Reports 97/16, Eindhoven University of Technology, Eindhoven, 1997.
390. W.M.P. van der Aalst. Exploring the Process Dimension of Workflow Management. Computing Science Reports 97/13, Eindhoven University of Technology, Eindhoven, 1997.
391. D. Hauschildt, H.M.W. Verbeek, and W.M.P. van der Aalst. WOFLAN: a Petri-net-based Workflow Analyzer. Computing Science Reports 97/12, Eindhoven University of Technology, Eindhoven, 1997.
392. M. Voorhoeve and W.M.P. van der Aalst. Conservative Adaption of Workflow. Computing Science Reports 96/24, Eindhoven University of Technology, Eindhoven, 1996.
393. D.A. Henstra, L. Verspui, W.M.P. van der Aalst, and A. Valstar. SMARTCARD KETENLOGISTIEK, volume 11 of CTT PUBLICATIEREEKS. Centrum Transport Technologie, Rotterdam, 1996.
394. W.M.P. van der Aalst, A. Aarts, H. Koppelman, and R.V. Schuwer et al. INFORMATIESYSTEMEN: MODELLEREN EN SPECIFICEREN. Open Universiteit, Heerlen, 1996.
395. W.M.P. van der Aalst. Structural Characterizations of Sound Workflow Nets. Computing Science Reports 96/23, Eindhoven University of Technology, Eindhoven, 1996.
396. W.M.P. van der Aalst. Parallel Computation of Reachable Dead States in a Free-choice Petri Net. Computing Science Reports 96/03, Eindhoven University of Technology, Eindhoven, 1996.
397. T. Basten and W.M.P. van der Aalst. A Process-Algebraic Approach to Life-Cycle Inheritance: Inheritance = Encapsulation + Abstraction. Computing Science Reports 96/05, Eindhoven University of Technology, Eindhoven, 1996.
398. W.M.P. van der Aalst and T. Basten. Life-Cycle Inheritance: A Petri-Net-Based Approach. Computing Science Reports 96/06, Eindhoven University of Technology, Eindhoven, 1996.
399. W.M.P. van der Aalst. Handboek simulatie. Computing Science Reports 95/32, Eindhoven University of Technology, Eindhoven, 1995.
400. W.M.P. van der Aalst. A class of Petri net for modeling and analyzing business processes. Computing Science Reports 95/26, Eindhoven University of Technology, Eindhoven, 1995.
401. W.M.P. van der Aalst. Petri net based scheduling. Computing Science Reports 95/23, Eindhoven University of Technology, Eindhoven, 1995.
402. P. Ciancarini, V.J. Jagannathan, M. Klein, and W.M.P. van der Aalst. Working Group Report on Process. In J.R. Callahan, editor, PROCEEDINGS OF THE FOURTH WORKSHOP ON ENABLING TECHNOLOGIES: INFRASTRUCTURE FOR COLLABORATIVE ENTERPRISES (WETICE 95), pages 8–12, Berkeley Springs, April 1995. IEEE Computer Society Press.

403. W.M.P. van der Aalst, K.M. van Hee, and M. Voorhoeve. The DONS Rail Scheduling System. In CASE STUDIES TUTORIAL, 15th INTERNATIONAL CONFERENCE ON APPLICATION AND THEORY OF PETRI NETS, pages 1–12, 1994.
404. W.M.P. van der Aalst, K.M. van Hee, N. Tréves, and R. di Giovanni. PROOFS: FORMALISMS AND METHODS. TUE-TR-0035-V4.0-WP1, 1993.
405. W.M.P. van der Aalst, P. de Bra, G.J. Houben, and Y. Kornatzky. Browsing Semantics in the Tower Model. Computing Science Notes 93/47, Eindhoven University of Technology, Eindhoven, 1993.
406. W.M.P. van der Aalst. Multi-dimensional Petri Nets. Computing Science Notes 93/26, Eindhoven University of Technology, Eindhoven, 1993.
407. W.M.P. van der Aalst. The modelling and analysis of queueing systems with QNM-ExSpect. Computing Science Notes 91/33, Eindhoven University of Technology, Eindhoven, 1991.
408. W.M.P. van der Aalst. Interval Timed Petri Nets and their analysis. Computing Science Notes 91/09, Eindhoven University of Technology, Eindhoven, 1991.