

Curriculum vitae Wil van der Aalst

Biographical data	Full name: Willibrordus Martinus Pancratius van der Aalst Born: January 29, 1966, Eersel, The Netherlands Status: Married, four children Residence: Aachen, Germany
Education	1978 - 1984 Rythoviuscollege VWO-ongedeeld 1984 - 1988 Eindhoven University of Technology M.S. Computer Science <ul style="list-style-type: none">• Title thesis: Specification and Simulation using ExSpect• Supervisor: prof.dr. K.M. van Hee 1988 - 1992 Eindhoven University of Technology Ph.D. Mathematics <ul style="list-style-type: none">• Title thesis: Timed colored Petri nets and their application to logistics• Supervisors: prof.dr. J. Wessels and prof.dr. K.M. van Hee
Professional experience	1988 - 1992 Eindhoven University of Technology/TNO Research assistant <ul style="list-style-type: none">• Contract research for the Dutch TNO institute IPL• Member of the TASTE working group 1992 - 1996 Eindhoven University of Technology Assistant professor <ul style="list-style-type: none">• Member of the Information Systems group 1993 - 1998 Bakkenist Management Consultants IT Consultant (part-time) <ul style="list-style-type: none">• Member of the Information Technology group• Consulting in the following areas: simulation, workflow management, and information system architectures. 1996 - 1999 Eindhoven University of Technology Associate professor <ul style="list-style-type: none">• Leader of the SMIS group• Member of the management team of the research institute BETA (responsible for the program Network Management)• Coordinator educational service• Coordinator Information Technology in Logistics (post masters program)

Logistic Control Systems)

1998 - 1999 University of Karlsruhe (AIFB), Germany

Visiting professor

- Member of the AIFB (applied computer science) for 4 months (August-December)

1999 - 1999 University of Georgia (LSDIS), USA

Visiting professor

- Member of the LSDIS (computer science) for 5 months (January-May)

1999 - 1999 University of Frankfurt (WI), Germany

Visiting professor

Member of the WI (applied computer science) for 1 month (June)

1999 - 2000 University of Colorado (CTRG), USA

Visiting professor

Member of the CTRG (computer science) for 7 months (August-March)

2002 - 2002 Queensland University of Technology (CITI),
Australia

Visiting professor

Member of the CITI/CIS group for 3 months (June, August, and December)

2000 - 2003 Eindhoven University of Technology
(Department of Mathematics and Computer Science)

Full professor (part-time)

Part-time professor in Information Systems group.

2000 - 2010 Eindhoven University of Technology
(Department of Technology Management)

Full professor

- Chair of the Information Systems (IS) group of the Technology Management Department (until 2006)
- Member of the board of the research institute BETA (responsible for the program Business Information Systems)
- Coordinator Information Technology in Logistics (post masters program Logistic Control Systems)

2003 - Queensland University of Technology (QUT),
Brisbane, Australia

Adjunct professor

Visiting professor for 1-3 months per year. First within the Faculty of Information Technology (FIT), School of Information Systems (IS), and Centre for Information Technology Innovation (CITI). In recent years within the BPM (Business Process Management) group of the Information Systems School of the Science and Engineering Faculty.

2012 - 2015 National Research University, Higher School of
Economics, Moscow, Russian Federation

Academic supervisor and professor

Academic Supervisor of the International Laboratory of Process-Aware

Information Systems (PAIS lab) of the National Research University, Higher School of Economics in Moscow. The lab hosted 15-20 researchers working on process mining, Petri nets and BPM.

2013 - Tsinghua University, Beijing, China

Honorary guest professor

Honorary position within the School of Software of Tsinghua University as recognition for the achievements in BPM and process mining.

2016 - Fondazione Bruno Kessler, Trento, Italy

Visiting professor

Visiting professor for two times two weeks per year. Working with people in the Center for Information and Communication Technology at Fondazione Bruno Kessler (FBK).

2015 - Tilburg University

Member of the board of governors

The Board of Governors (called Stichtingsbestuur at Tilburg University) supervises the Executive Board (including appointments and approval of strategic plans and regulations).

2006 - 2018 Eindhoven University of Technology
(Department of Mathematics and Computer Science)

Full professor

- Chair of the Architecture of Information Systems group of the Department of Mathematics and Computer Science
- Distinguished university professor (2013 - 2018)
- Member of the board of the research school SIKS
- Director of the Business Information Systems master (until 2013)
- Scientific director of the Data Science Center Eindhoven (DSC/e)

2018 - RWTH Aachen University
(Lehrstuhl für Informatik 9 - Process and Data Science)

Full professor

- Chair of the Lehrstuhl für Informatik 9 - Process and Data Science
- Alexander von Humboldt Professorship

Teaching
experience

In the last 30 years, Wil van der Aalst was responsible for the following courses given:

- Process Mining: Data science in Action, Coursera Massive Open Online Course
- Business Process Intelligence (2IIE0,2IIF0), Computer Science
- Advanced Process Mining (2IMI05,2II66), Computer Science
- Introduction to Process Mining (2IMI35), Computer Science
- Perspectives on Data Science (JBG010), Computer Science
- Capita Selecta AIS (2IMI05), Computer Science
- Business Information Systems (2IIC0,2II05), Computer Science

- Business Process Management Systems (2II55), Computer Science
- Systems Engineering 1 (2M310), Computer Science
- Systems Engineering 2 (2M320), Computer Science
- Process Modeling (1BB30), Technology Management
- Business Process Management (1BM05), Technology Management
- Specification of Information Systems (1B210), Technology Management
- Process Standards, Languages and Systems (1BM35), Technology Management
- Workflow Management (1R820), Technology Management
- Simulation (2V150), post masters program Logistic Control Systems
- Workflow Management (2V160), post masters program Logistic Control Systems

Wil van der Aalst was also responsible for several courses outside Eindhoven University of Technology including:

- Workflow management, MIT (Open Universiteit / Hogeschool Eindhoven)
- Information Technology in Logistics, TIAS/TLD (University of Tilburg)
- Workflow Management: Models, Techniques, and tools, AIFB (University of Karlsruhe, Germany)
- IT aspects of Workflow Management, AIFB (University of Karlsruhe, Germany)
- Workflow management, CS (University of Colorado, USA)

Research areas

Information systems, process mining, data science, business process management, simulation, Petri nets, process models, workflow management systems, verification techniques, concurrency, workflow patterns, Big Data analytics, process compliance, and process redesign.

Publications and other indicators of scientific achievements

See the appended lists of publications, organizational activities, membership, and honors

Publications

Books

1. N. Russell, W.M.P. van der Aalst, and A. ter Hofstede. *Workflow Patterns: The Definitive Guide*. MIT press, Cambridge, MA, 2016.
2. W.M.P. van der Aalst. *Process Mining: Data Science in Action*. Springer-Verlag, Berlin, 2016.
3. 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.
4. W.M.P. van der Aalst. *Process Mining: Discovery, Conformance and Enhancement of Business Processes*. Springer-Verlag, Berlin, 2011.
5. W.M.P. van der Aalst and C. Stahl. *Modeling Business Processes: A Petri Net Oriented Approach*. MIT press, Cambridge, MA, 2011.
6. 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.
7. J. Cardoso and W.M.P. van der Aalst. *Handbook of Research on Business Process Modeling*. Information Science Publishing, Hershey, PA, USA, 2009.
8. 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.
9. 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.
10. 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.
11. W.M.P. van der Aalst and K.M. van Hee. *Workflow Management: Models, Methods and Systems (in Chinese)*. Tsingua University Press, Beijing, China, 2004.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.

17. 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 LINCOS Studies in Computer Science. Lincom, München, Germany, 2003.

18. W.M.P. van der Aalst and K.M. van Hee. Workflow Management: Models, Methods, and Systems. MIT press, Cambridge, MA, 2002.

19. 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.

20. W.M.P. van der Aalst and K.M. van Hee. Workflow Management: Modellen, Methoden en Systemen (in Dutch). Academic Service, Schoonhoven, 1997.

International refereed journals

21. 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, to appear, 2018.

22. 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, to appear, 2018.

23. 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, to appear, 2018.

24. 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) to appear, 2018.

25. 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, to appear, 2018.

26. W.M.P. van der Aalst. Process Discovery from Event Data: Relating Models and Logs Through Abstractions. WIREs Data Mining and Knowledge Discovery, to appear, 2018.

27. 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.

28. 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.

29. W.Z. Low, W.M.P. van der Aalst, A.H.M. ter Hofstede, M.T. Wynn, and J. De Weerd. Change Visualisations: Analysing the Resource and Timing Differences between Two Event Logs. Information Systems, 65:106-123, 2017.

30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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.

39. W.Z. Low, S.K.L.M. vanden Broucke, M.T. Wynn, A.H.M. ter Hofstede, J. De Weerd, and W.M.P. van der Aalst. Revising History for Cost-Informed Process Improvement. *Computing*, 98(9):895-921, 2016.

40. 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.

41. 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.

42. 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.

43. 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.

44. 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.

45. 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.

46. 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.

47. 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.

48. 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.

49. 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.

50. 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.

51. 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.

52. 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.

53. 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.

54. 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.

55. 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.

56. D. Fahland and W.M.P. van der Aalst. Model Repair: Aligning Process Models to Reality. *Information Systems*, 47:220-243, January 2015.

57. 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.

58. 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.

59. 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.

60. 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.

61. 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.

62. W.M.P. van der Aalst. Geschäftsprozessmodellierung: Die "Killer-Applikation" für Petrinetze. *Informatik-Spektrum*, 37(3):191-198, 2014.

63. 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.

64. 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.

65. W.M.P. van der Aalst. Decomposing Petri Nets for Process Mining: A Generic Approach. *Distributed and Parallel Databases*, 31(4):471-507, 2013.

66. 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.
67. D. Fahland and W.M.P. van der Aalst. Simplifying Discovered Process Models in a Controlled Manner. *Information Systems*, 38(4):585-605, 2013.
68. 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.
69. W.M.P. van der Aalst. Business Process Management: A Comprehensive Survey. *ISRN Software Engineering*, pages 1-37, 2013. doi:10.1155/2013/507984.
70. W.M.P. van der Aalst. Challenges in Business Process Mining (Commentary). *Journal of Data Analysis*, 8(2):31-42, 2013.
71. 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.
72. 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.
73. 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.
74. W.M.P. van der Aalst. Process Mining. *Communications of the ACM*, 55(8):76-83, 2012.
75. 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.
76. 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.
77. R. Accorsi, M. Ullrich, and W.M.P. van der Aalst. Process Mining. *Informatik-Spektrum*, 35(5):354-359, 2012.
78. 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.
79. 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.
80. W.M.P. van der Aalst. Process Mining: Overview and Opportunities. *ACM Transactions on Management Information Systems*, 3(2):7.1-7.17, 2012.
81. 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.
82. W.M.P. van der Aalst. Process Mining: Making Knowledge Discovery Process Centric.

SIGKDD Explorations, 13(2):45-49, 2011.

83. 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.

84. W.M.P. van der Aalst and S. Dustdar. Process Mining Put into Context. *IEEE Internet Computing*, 16(1):82-86, 2012.

85. 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.

86. W.M.P. van der Aalst. Using Process Mining to Bridge the Gap between BI and BPM. *IEEE Computer*, 44(12):77-80, 2011.

87. 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>.

88. 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.

89. 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.

90. 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.

91. 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.

92. 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.

93. 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.

94. 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.

95. C. Houy, P. Fettke, P. Loos, W.M.P. van der Aalst, and J. Krogstie. Geschäftsprozessmanagement im Großen. *Wirtschaftsinformatik*, 53(6):377-381, 2011.

96. I. Vanderfeesten, H.A. Reijers, and W.M.P. van der Aalst. Product-Based Workflow Support. *Information Systems*, 36(2):517-535, 2011.

97. 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.

98. 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.

99. 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.

100. 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.

101. 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.

102. 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.

103. R.S. Mans, N.C. Russell, W.M.P. van der Aalst, A.J. Moleman, P.J.M. Bakker, and M. Jaspers. Procllets in Healthcare. *Journal of Biomedical Informatics*, 43(4):632-649, 2010.

104. 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.

105. 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.

106. 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.

107. W.M.P. van der Aalst. Process Discovery: Capturing the Invisible. *IEEE Computational Intelligence Magazine*, 5(1):28-41, 2010.

108. 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.

109. 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.

110. 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.

111. 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.

112. W.M.P. van der Aalst, R.S. Mans, and N.C. Russell. Workflow Support Using Procllets: Divide, Interact, and Conquer. *IEEE Bulletin of the Technical Committee on Data Engineering*, 32(3):16-22, 2009.

113. 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.

114. 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.

115. 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.

116. 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.

117. 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.

118. 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.

119. 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.

120. 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.

121. 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.

122. 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.

123. 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.

124. 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.

125. A. Rozinat, R.S. Mans, M. Song, and W.M.P. van der Aalst. Discovering Simulation Models. *Information Systems*, 34(3):305-327, 2009.

126. 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.

127. 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.

128. 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.

129. 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.
130. 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.
131. 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.
132. 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.
133. 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.
134. M.T. Wynn, W.M.P. van der Aalst, A.H.M. ter Hofstede, and D. Edmond. Synchronisation and Cancellation in Workflows based on Reset Nets. *International Journal of Cooperative Information Systems*, 18(1):63-114, 2009.
135. 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.
136. 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.
137. M. Song and W.M.P. van der Aalst. Towards Comprehensive Support for Organizational Mining. *Decision Support Systems*, 46(1):300-317, 2008.
138. K.B. Lassen and W.M.P. van der Aalst. Complexity Metrics for Workflow Nets. *Information and Software Technology*, 51(3):610-626, 2009.
139. 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.
140. 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.
141. 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.
142. 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.
143. 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.

144. 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.

145. 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.

146. 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.

147. 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.

148. 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.

149. 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.

150. 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.

151. 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.

152. 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.

153. 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.

154. 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.

155. 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.

156. 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.

157. 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.

158. 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.
159. 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.
160. 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.
161. 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.
162. 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.
163. 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.
164. 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.
165. 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.
166. 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.
167. 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.
168. 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.
169. 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.
170. 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.
171. 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.
172. 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.
173. W.M.P. van der Aalst. Exploring the CSCW Spectrum Using Process Mining. *International Journal of Advanced Engineering Informatics*, 21(2):191-199, 2007.

174. 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.
175. 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.
176. M. Rosemann and W.M.P. van der Aalst. A Configurable Reference Modelling Language. *Information Systems*, 32(1):1-23, 2007.
177. 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.
178. 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.
179. 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.
180. 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.
181. 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.
182. W.M.P. van der Aalst and A.H.M. ter Hofstede. YAWL: Yet Another Workflow Language. *Information Systems*, 30(4):245-275, 2005.
183. 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.
184. 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.
185. 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.
186. 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.
187. W.M.P. van der Aalst. Business Process Management: A Personal View. *Business Process Management Journal*, 10(2):135-139, 2004.
188. 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.
189. 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.
190. 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.
191. 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.
192. 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.
193. 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.
194. 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.
195. 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.
196. 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.
197. 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.
198. 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.
199. 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.
200. 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.
201. 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.
202. 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.
203. 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.
204. 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.
205. 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.
206. 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.
207. W.M.P. van der Aalst, P. Barthelmess, C.A. Ellis, and J. Wainer. Proclats: A Framework for Lightweight Interacting Workflow Processes. *International Journal of Cooperative Information Systems*, 10(4):443-482, 2001.
208. 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.

209. W.M.P. van der Aalst and A. Kumar. Team-Enabled Workflow Management Systems. *Data and Knowledge Engineering*, 38(3):335-363, 2001.
210. 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.
211. 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.
212. T. Basten and W.M.P. van der Aalst. Inheritance of Behavior. *Journal of Logic and Algebraic Programming*, 47(2):47-145, 2001.
213. W.M.P. van der Aalst. Reengineering Knock-out Processes. *Decision Support Systems*, 30(4):451-468, 2001.
214. 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.
215. 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.
216. 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.
217. 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.
218. W.M.P. van der Aalst. Process-oriented Architectures for Electronic Commerce and Interorganizational Workflow. *Information Systems*, 24(8):639-671, 2000.
219. E. Kindler and W.M.P. van der Aalst. Liveness, Fairness, and Recurrence. *Information Processing Letters*, 70(6):269-274, June 1999.
220. 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.
221. W.M.P. van der Aalst. On the automatic generation of workflow processes based on product structures. *Computers in Industry*, 39:97-111, 1999.
222. W.M.P. van der Aalst. Formalization and Verification of Event-driven Process Chains. *Information and Software Technology*, 41(10):639-650, 1999.
223. W.M.P. van der Aalst. Woflan: A Petri-net-based Workflow Analyzer. *Systems Analysis - Modelling - Simulation*, 35(3):345-357, 1999.
224. 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.
225. 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.
226. W.M.P. van der Aalst. Petri net based scheduling. *OR Spectrum*, 18:219-229, 1996.
227. 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.

228. 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.
229. W.M.P. van der Aalst. Putting Petri nets to work in industry. *Computers in Industry*, 25(1):45-54, 1994.

International refereed proceedings

230. 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.
231. 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.
232. 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.
233. 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 2017)*, pages 573-584, 2017.
234. 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 (BPMS 2017)*, volume 287 of *Lecture Notes in Business Information Processing*, pages 51-67. Springer-Verlag, Berlin, 2017.
235. 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.
236. 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.
237. M. Leemans and W.M.P. van der Aalst. Modeling and Discovering Cancellation 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.
238. 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.
239. 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.

240. 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.
241. 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.
242. 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.
243. 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.
244. 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.
245. 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.
246. 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.
247. 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.
248. 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.
249. 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.
250. 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.

251. 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.

252. 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.

253. 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.

254. 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.

255. N. Tax, N. Sidorova, 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.

256. 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.

257. 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.

258. 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.

259. 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.

260. 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.

261. 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.

262. 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.

263. 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.

264. 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.

265. 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.

266. 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.

267. 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.

268. 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.

269. 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.

270. 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.

271. 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.

272. 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.

273. 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.

274. 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.

275. 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.

276. 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.

277. 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.

278. 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.

279. 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.

280. 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.

281. 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.

282. 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.

283. 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.

284. 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.

285. 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.

286. 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.

287. 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.

288. 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.

289. 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.

290. 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.

291. 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.

292. 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.

293. 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.

294. 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.

295. 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.

296. M.L. van Eck, X. Lu, S.J.J. Leemans, and W.M.P. van der Aalst. PM2: 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.

297. 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.

298. 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.

299. 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.

300. 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.

301. 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.

302. 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.

303. 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.

304. 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.

305. 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.

306. 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.

307. 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.

308. 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.

309. 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.

310. 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.

311. 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.

312. 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.

313. 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.

314. 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.

315. W.Z. Low, J. De Weerd, 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.

316. 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.

317. 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.

318. 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.

319. 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.

320. 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.

321. 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.

322. 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.

323. 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.

324. 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.

325. 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.

326. 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.

327. 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.

328. 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.

329. 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.

330. 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.

331. 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.

332. 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.

333. 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.

334. 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.

335. 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.

336. 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.

337. 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.
338. 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.
339. 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.
340. 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.
341. Moe Wynn, Jochen De Weerd, 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.
342. 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.
343. 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.
344. 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.
345. W.M.P. van der Aalst. Passages in Graphs. CoRR, abs/1304.1000, 2013.
346. 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.
347. 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.

348. 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.
349. 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.
350. 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.
351. 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.
352. 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. http://aisel.aisnet.org/ecis2013_cr/225.
353. 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.
354. 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.
355. 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.
356. 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. Deneckère 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.
357. 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.
358. 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.
359. 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.

360. 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.

361. 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.

362. 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.

363. 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.

364. 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.

365. 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.

366. 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.

367. 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.

368. 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.

369. 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.

370. 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.

371. 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.

372. 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.

373. 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.

374. 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.

375. 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.

376. 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.

377. 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.

378. 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.

379. 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.

380. 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.

381. 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.

382. 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.

383. 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.

384. 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.

385. 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.

386. 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.

387. 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.

388. 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.

389. 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.

390. 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.

391. 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.

392. 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.

393. 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.

394. 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.

395. 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.

396. 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.

397. 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.

398. 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.

399. 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.

400. 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.

401. 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.

402. 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.

403. 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.
404. 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.
405. A. Burattin, A. Sperduti, and W.M.P. van der Aalst. Heuristics Miners for Streaming Event Data. CoRR, abs/1212.6383, 2012.
406. 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.
407. 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.
408. 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.
409. 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.
410. 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.
411. 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.
412. 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.
413. 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.

414. 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.

415. 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.

416. 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.

417. 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.

418. 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.

419. C. Bratosin, N. Sidorova, and W.M.P. van der Aalst. Distributed Genetic Process Mining Using Sampling. In V. Malyshekin, editor, Parallel Computing Technologies (PaCT 2011), volume 6873 of Lecture Notes in Computer Science, pages 224-237. Springer-Verlag, Berlin, 2011.

420. 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.

421. 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.

422. 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.

423. 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.

424. 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.

425. 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.
426. 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.
427. 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.
428. 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.
429. 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.
430. 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.
431. 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.
432. 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.
433. 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.
434. 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.
435. 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.
436. 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.
437. 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.

438. 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.

439. 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.

440. 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.

441. 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.

442. 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.

443. 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.

444. 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.

445. 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.

446. 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.

447. 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.

448. 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.
449. 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.
450. 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.
451. 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.
452. 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.
453. 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.
454. 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.
455. 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.
456. 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.
457. 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.
458. 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.

459. 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.

460. 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.

461. 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.

462. 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.

463. 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.

464. 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.

465. 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.

466. 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.

467. 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.

468. 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.

469. 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.
470. 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.
471. 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.
472. 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.
473. 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.
474. 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.
475. 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.
476. 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.
477. 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.
478. 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.

479. 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.

480. 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.

481. 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.

482. 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.

483. 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.

484. 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.

485. 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.

486. 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.

487. 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.

488. 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.
489. 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.
490. 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.
491. 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.
492. 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.
493. 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.
494. 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.
495. 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.
496. 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.
497. 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.
498. 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.

499. 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.
500. 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.
501. 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.
502. 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.
503. 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.
504. 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.
505. 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.
506. 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.
507. 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.
508. 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.

509. 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.
510. 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.
511. 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.
512. 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.
513. 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.
514. 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.
515. 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.
516. 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.
517. 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.
518. 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.

519. 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.

520. 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.

521. 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.

522. 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.

523. 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.

524. 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.

525. 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.

526. 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.

527. 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.

528. 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.

529. 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.

530. 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.

531. 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.

532. 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.

533. 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.

534. 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.

535. 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.

536. 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.

537. 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.

538. 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.

539. 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.
540. 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.
541. 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.
542. 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.
543. 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.
544. 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.
545. 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.
546. 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.
547. 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.
548. 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.

549. 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.

550. 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.

551. 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.

552. 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.

553. 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.

554. 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.

555. 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.

556. 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.

557. 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.

558. 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.

559. 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.

560. 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.

561. 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.

562. 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.

563. 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.

564. 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.

565. 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.

566. 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.

567. 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.

568. 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.

569. 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.

570. 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.

571. 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.

572. 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.

573. 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.

574. 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.

575. 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.

576. 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 21th Annual ACM Symposium on Applied Computing (SAC 2006), Track on Organizational Engineering, pages 1505-1510. ACM Press, New York, NY, USA, 2006.

577. 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.

578. 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.

579. 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.

580. 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.

581. 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.

582. 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.

583. 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.

584. 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.

585. 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.

586. 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.

587. 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.

588. 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.

589. 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.

590. 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.

591. 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.

592. 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.

593. 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.

594. 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.

595. 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.

596. 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.

597. 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.

598. 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.

599. 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.

600. 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.

601. 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.

602. 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.

603. 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.

604. 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.

605. 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.

606. 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.

607. 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.

608. 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.

609. 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.

610. 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.

611. 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.

612. 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.

613. 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.

614. 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.

615. 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.

616. 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.

617. 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.

618. 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.

619. 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.

620. 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.

621. 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.

622. 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.

623. 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.

624. 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.

625. 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.

626. 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.

627. 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.

628. 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.

629. 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.

630. 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.

631. 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.

632. 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. Chonbuk University, Korea, 2004.
633. 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.
634. 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.
635. 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.
636. 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.
637. 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.
638. 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.
639. 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.
640. 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.
641. 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.
642. 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.
643. 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.

644. 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.

645. 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.

646. 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.

647. 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.

648. W.M.P. van der Aalst, A. Hirschall, 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.

649. 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.

650. H.M.W. Verbeek, A. Hirschall, 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. Orłowska, 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.

651. 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.

652. 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.

653. 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.

654. 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.

655. 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.

656. 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.

657. 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.

658. 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.

659. 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.

660. 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.

661. W.M.P. van der Aalst, P. Barthelmess, C.A. Ellis, and J. Wainer. Workflow Modeling using Proclats. 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.

662. 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.

663. 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.

664. 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).

665. 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.

666. 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 IFCS International Conference on Cooperative Information Systems (CoopIS'99), pages 115-126, Edinburgh, Scotland, September 1999. IEEE Computer Society Press.
667. 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.
668. 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.
669. 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.
670. 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.
671. 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.
672. 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.
673. 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).
674. 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.
675. 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.
676. 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.

677. 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).
678. 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.
679. 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.
680. 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.
681. 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.
682. 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.
683. 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, Cambridge, Massachusetts, Nov 1996.
684. 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.
685. 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.
686. 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.
687. 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.
688. 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.

689. 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).
690. 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.
691. 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.
692. 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.
693. 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.
694. 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.
695. 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.
696. 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

697. 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.
698. 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, to appear, Springer-Verlag, Berlin, 2018.
699. 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.
700. 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.
701. 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.

702. 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.
703. 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.
704. 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.
705. 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.
706. 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.
707. 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.
708. 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.
709. 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.
710. 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.
711. 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.
712. 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.
713. 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.
714. 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.
715. 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.
716. 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.

717. 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.

718. 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.

719. 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.

720. 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.

721. 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.

722. 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.

723. 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.

724. 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.

725. 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.

726. 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.

727. 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.

728. 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.

729. 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.

730. 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.

731. 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.

732. 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.

733. 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.

734. 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.

735. 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.

736. 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.

737. 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.

738. 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.

739. 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.

740. 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.

741. 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.

742. 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.

743. 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.

744. 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.

745. 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.

746. 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.

747. 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 LINCOS Studies in Computer Science, pages 1-20. Lincom, München, Germany, 2003.

748. 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.

749. 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.

750. 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.

751. 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.

752. 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.

753. 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.

754. 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.

755. 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.

756. W.M.P. van der Aalst. V.3.1 Workflow Management. In ICT-Zakboekje, pages 1042-1061. PBNA, Arnhem, The Netherlands, 1999.

757. 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.
758. 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.
759. 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.
760. 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.
761. 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.
762. 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.
763. 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

764. 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

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

Others (Dutch journals, reports, interviews, special issues, etc.)

766. W.M.P. van der Aalst. Nederland Investeert te Weinig in Basistechnologieën. Automatisering Gids, pages 56-59, August 2017.
767. 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.
768. W.M.P. van der Aalst. Datascientist: Beroep van de 21e eeuw. Automatisering Gids, pages 24-25, Feb 2014.
769. W.M.P. van der Aalst and F. van Geffen. De ontbrekende schakel tussen BI en BPM. Informatie, pages 10-13, July 2014.

770. W.M.P. van der Aalst. Process Mining Is Ontbrekende Schakel. *Automatisering Gids*, pages 26-27, July 2013.
771. W.M.P. van der Aalst. Navigeren met Process Mining. *Automatisering Gids*, 45(24):12-13, 2011.
772. W.M.P. van der Aalst. Geef Informatiesystemen TomTom-Functionaliteit. *Tijdschrift Controlling*, 25(10):22-25, 2010.
773. W.M.P. van der Aalst. Geef Informatiesystemen TomTom-Functionaliteit. *Management Executive*, (1):12-14, January/February 2010.
774. W.M.P. van der Aalst. TomTom voor Bedrijfsprocessen: Toepassing van moderne process-miningtechnieken. *Informatie*, 51(3):34-41, April 2009.
775. W.M.P. van der Aalst. Workflow Patronen: Gereedschap voor het Evalueren van BPM Software. *Business Process Magazine*, 13(4):22-27, 2007.
776. W.M.P. van der Aalst. Process Mining: Business Intelligence Software Wordt Eindelijk Intelligent. *Business Process Magazine*, 13(2):28-31, 2007.
777. H. Reijers and W.M.P. van der Aalst. Formele methoden in Business Process Management. *Informatie*, 45(5):50-53, 2003.
778. W.M.P. van der Aalst and T. Weijters. Kleinduimpje in Workflowland. *Management & Informatie*, 11(1):4-8, 2003.
779. W.M.P. van der Aalst. Workflowmanagementsystemen op de pijnbank: Patronen voor werkstroombesturing. *VIP, Vakblad voor Documentmanagement*, 13(6):40-44, 2001.
780. W.M.P. van der Aalst. Patronen voor werkstroombesturing. *Management & Informatie*, 9(4):4-12, 2001.
781. W.M.P. van der Aalst. Research en Wetenschap: TUE Sectie Specificeren en Modelleren van Informatiesystemen (SMIS). *Informatie*, 40:58-59, Nov. 1998.
782. 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.
783. 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.
784. 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.
785. W.M.P. van der Aalst. Procesmodelleren met behulp van Petri-netten. *Informatie*, 36(4):244-252, 1994.
786. 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.
787. 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.
788. W.M.P. van der Aalst, M. Bichler, and A. Heinzl. Responsible Data Science. *Business and Information Systems Engineering*, 59(5):311-313, 2017.
789. 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.

790. 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.

791. 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.

792. 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.

793. 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.

794. 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 Americum Grzegorz Rosenberg*, pages 69-70. Turku Center for Computer Science, Finland, 2017.

795. 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.

796. 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.

797. W.M.P. van der Aalst, G. Li, and M. Montali. Object-Centric Behavioral Constraints. *CoRR*, abs/1703.05740, 2017.

798. 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.

799. 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.

800. 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.

801. 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.

802. 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.

803. 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.

804. 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.

805. 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.

806. 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.

807. 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.
808. 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.
809. 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.
810. 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.
811. 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.
812. N. Tax, N. Sidoriva, R. Haaksma, and W.M.P. van der Aalst. Mining Local Process Models. CoRR, abs/1606.06066, 2016.
813. 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.
814. 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.
815. 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.
816. 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.
817. 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.
818. W.M.P. van der Aalst and F. van Geffen, editors. Special issue of Informatie on Process Mining, *Informatie*, June 2014.
819. W.M.P. van der Aalst. Leren van Positieve Afwijkingen. In *Het Beste Idee van 2014*, pages 85-88. Uitgeverij De Wereld, 2014.
820. W.M.P. van der Aalst. Brandstof voor de toekomst. *Computable*, pages 28-29, Feb 2014.
821. 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.
822. 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.
823. R. Accorsi, E. Damiani, and W. van der Aalst. Unleashing Operational Process Mining (Dagstuhl Seminar 13481). *Dagstuhl Reports*, 3(11):154-192, 2014.

824. 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.
825. 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.
826. W.M.P. van der Aalst. Olifantenpaden in Data. In Het Beste Idee van 2013, pages 20-22. Uitgeverij De Wereld, 2013.
827. 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.
828. 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.
829. 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.
830. 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.
831. A. Rozinat and W. van der Aalst. Objektivierung des bauchgeföhls (in german). *Business Technology*, 9(2):30-34, 2012.
832. W.M.P. van der Aalst. Petri Nets at TU/e. *Petri Net Newsletter*, 79:27-33, 2011.
833. W.M.P. van der Aalst. Process Mining Biedt Nieuwe Mogelijkheden: Geef Informatiesystemen TomTom-Functionaliteit. *Kluwer Management: Verdieping*, 169:1-11, 2010.
834. 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 (BPMDemos 2009), volume 489 of CEUR Workshop Proceedings, pages 1-4. CEUR-WS.org, 2009.
835. 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 (BPMDemos 2009), volume 489 of CEUR Workshop Proceedings, pages 1-4. CEUR-WS.org, 2009.
836. 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 (BPMDemos 2009), volume 489 of CEUR Workshop Proceedings, pages 1-5. CEUR-WS.org, 2009.
837. 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.
838. 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.

839. 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.
840. 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.
841. 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.
842. 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.
843. 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.
844. 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.
845. 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.
846. J. Chen and W.M.P. van der Aalst. On Scientific Workflow. *TCSC Newsletter*, IEEE Technical Committee on Scalable Computing, 9(1), 2007.
847. C. Bratosin and W.M.P. van der Aalst. Workflow Management Systems for Grid Computing. *ERCIM News*, 70:17-18, 2007.
848. 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.
849. 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.
850. 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.
851. 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.
852. W.M.P. van der Aalst. BPM and Workflow Analysis. *BPTrends*, 5(4):1-2, April 2007.
853. 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.
854. 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.

855. 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.
856. 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.
857. 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.
858. 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.
859. 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.
860. 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.
861. 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.
862. W.M.P. van der Aalst. Modellen Zitten Vol Fouten (Interview). *Computable*, 39(20):28-29, May 2006.
863. 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.
864. 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.
865. 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.
866. 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.
867. 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.
868. 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.

869. 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.

870. 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.

871. 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.

872. 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.

873. 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.

874. 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.

875. 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.

876. 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.

877. 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.

878. 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.

879. 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.

880. 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.

881. 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.

882. 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.

883. 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 α -algorithm to Mine Short Loops. BETA Working Paper Series, WP 113, Eindhoven University of Technology, Eindhoven, 2004.

884. 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.

885. 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.

886. 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.

887. 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.

888. 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.

889. 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.

890. 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.

891. W.M.P. van der Aalst. Wetenschap ontmoet producenten op BPM-congres (interview). Business Process Magazine, 9(5):42-44, 2003.

892. 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.

893. 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.

894. 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.

895. 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.

896. W.M.P. van der Aalst. Petrinet brengt processen in kaart (interview). Network World, 1(2):16-17, 2003.

897. W.M.P. van der Aalst. Workflow: Vijftien jaar jong en nog volop in groei (interview). ICT in Zekerheid, 3(5):4-7, 2003.

898. W.M.P. van der Aalst. Congresserend de zomer door. Computable, 36(23):14-15, 2003.

899. 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.

900. 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.

901. 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.
902. 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.
903. W.M.P. van der Aalst and T. Weijters. X-tra - Kleinduimpje in Workflowland: Op zoek naar procesdata. *Scope*, 10(12):38-40, 2002.
904. 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.
905. 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.
906. 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.
907. 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>.)
908. W.M.P. van der Aalst. X-tra - Workflow Management Systemen: Doel of Middel. *Scope*, 9(2):34-36, 2002.
909. 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.
910. 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.
911. W.M.P. van der Aalst. Workflow Management Systemen: Doel of Middel. *VIP, Vakblad voor Documentmanagement*, 14(1-2):36-38, 2002.
912. W.M.P. van der Aalst. Studie effect workflow-systemen (interview). *Computable*, 34(3):7-7, 2002.
913. 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.
914. W.M.P. van der Aalst. Werkstroomsoftware hapert (interview). *Computable*, 34(51):1-1, 2001.
915. W.M.P. van der Aalst. Making Work Flow: On the Design, Analysis and Enactment of Business Processes (inaugural lecture given at 30 November 2001). Eindhoven University of Technology, Eindhoven, The Netherlands, 2001.
916. 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.
917. W.M.P. van der Aalst. Valkuilen bij het Selecteren van Workflow Management Systemen. *VIP, Vakblad voor Documentmanagement*, 13(3):25-25, 2001.

918. 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.
919. W.M.P. van der Aalst. Het kantoor als thuishaven (interview). *Computable*, 34(9):33-35, 2001.
920. 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.
921. 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.
922. 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.
923. 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.
924. 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.
925. 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.
926. 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.
927. 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.
928. 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.
929. 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.
930. W.M.P. van der Aalst. Gevangen in Petri-netten (interview). *Business Process Magazine*, 6(8):35-38, 2000.
931. 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.
932. 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.

933. T. Basten and W.M.P. van der Aalst. Inheritance of Behavior. Computing Science Report 99/17, Eindhoven University of Technology, Eindhoven, 1999.

934. 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/>).

935. 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.

936. 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.

937. 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.

938. 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.

939. 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.

940. 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.

941. 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.

942. 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.

943. W.M.P. van der Aalst. Reengineering Knock-out Processes. Forschungsbericht Nr. 381, Universität Karlsruhe, Institut AIFB, Karlsruhe, 1998.

944. 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.

945. 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.

946. 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.

947. W.M.P. van der Aalst. On the Verification of Interorganizational Workflows. Computing Science Reports 97/16, Eindhoven University of Technology, Eindhoven, 1997.

948. W.M.P. van der Aalst. Exploring the Process Dimension of Workflow Management. Computing Science Reports 97/13, Eindhoven University of Technology, Eindhoven, 1997.
949. 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.
950. M. Voorhoeve and W.M.P. van der Aalst. Conservative Adaption of Workflow. Computing Science Reports 96/24, Eindhoven University of Technology, Eindhoven, 1996.
951. 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.
952. W.M.P. van der Aalst, A. Aarts, H. Koppelman, and R.V. Schuwer et al. Informatiesystemen: Modelleren en Specificeren. Open Universiteit, Heerlen, 1996.
953. W.M.P. van der Aalst. Structural Characterizations of Sound Workflow Nets. Computing Science Reports 96/23, Eindhoven University of Technology, Eindhoven, 1996.
954. 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.
955. 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.
956. 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.
957. W.M.P. van der Aalst. Handboek simulatie. Computing Science Reports 95/32, Eindhoven University of Technology, Eindhoven, 1995.
958. 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.
959. W.M.P. van der Aalst. Petri net based scheduling. Computing Science Reports 95/23, Eindhoven University of Technology, Eindhoven, 1995.
960. 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.
961. 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.
962. 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.
963. 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.
964. W.M.P. van der Aalst. Multi-dimensional Petri Nets. Computing Science Notes 93/26, Eindhoven University of Technology, Eindhoven, 1993.
965. 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.

966. W.M.P. van der Aalst. Interval Timed Petri Nets and their analysis. Computing Science Notes 91/09, Eindhoven University of Technology, Eindhoven, 1991.

Contributions to conferences, workshops, journals, etc.

Organization conferences, workshops, special issues, and summer schools:

- Petri Nets in System Engineering (PNSE'97), Hamburg, Germany, September 1997, (Together with J-M. Colom, F. Kordon, G. Kotsis, and D. Moldt)
- Workflow Management: Net-based Concepts, Models, Techniques, and Tools (WFM'98), Lissabon, Portugal, June 1998. (Together with G. De Michelis en C.A. Ellis.)
- Systems Engineering: A Petri-net-based Approach to Modelling, Verification and Implementation, September 1998, Zaragoza, Spain. (Together with C. Girault, R. Valk, et al.)
- Software Architectures for Business Process Management (SABPM'99), Heidelberg, Germany, June 1999. (Together with J. Desel and R. Kaschek.)
- Special Issue of the International Journal of Computer Systems, Science, and Engineering on Flexible Workflow Technology Driving the Networked Economy volume 15, number 5, 2000. (with S. Jablonski)
- Bringing Knowledge to Business Processes (AAAI 2000), Stanford, California, March 2000. (Together with D. O'Leary and S. Staab.)
- ECIS 2000 Track, The Software Industry, Wenen, Oostenrijk, July 2000. (Together with W. Koenig and A. Oberweis.)
- 24th International conference on Application and Theory of Petri Nets, Eindhoven, The Netherlands, June 2003. (With E. Best and K. van Hee)
- Business Process Management 2003 (BPM 2003), Eindhoven, The Netherlands, June 2003. (With A. ter Hofstede, M. Weske, and H. Reijers)
- Data & Knowledge Engineering special issue on Business Process Management, 2004. (With M. Weske and E. Verbeek)
- Special issue of Computers in Industry on Process Mining (with T. Weijters), 2004.
- 12th International Conference on Cooperative Information Systems (COOPIS 2004), October 25-29, 2004. (with A. Gal and C. Bussler).
- Business Process Management 2005 (BPM 2005), Nancy, France, September 6-8, 2005. (With B. Benatallah and F. Casati)
- Dagstuhl Seminar on the Role of Business Processes in Service Oriented Architectures, Dagstuhl, Germany, July 9-13, 2006 (With Frank Leymann, Wolfgang Reisig, Satish Thatte).
- IPA Lentedagen on Service-oriented Computing, Heeze, The Netherlands, April 3-5, 2007 (With Farhad Arbab and Mike Papazoglou).
- IEEE International Conference on Services Computing (SCC 2007), July 9-13, 2007, Salt Lake City, Utah, USA (PC chair with Liang-Jie Zhang).

- Special issue of IEEE Transactions on Automation Science and Engineering on Scientific Workflow Management and Applications (Guest editor with Jinjun Chen et al.)
- IEEE International Conference on Services Computing (SCC 2008), July 8-11, 2008, Hawaii, USA (General chair with Calton Pu)
- Special issue of Transactions on Petri Nets and Other Models of Concurrency (ToPNoC) based on the best papers of the workshops of the International conference on Application and Theory of Petri Nets (Petri nets 2007), 2008.
- Special issue of Transactions on Petri Nets and Other Models of Concurrency (ToPNoC) on Concurrency in Process-Aware Information Systems, ToPNoC-II, 2009.
- 5th SIKS/BENAIS Conference on Enterprise Information Systems 2010, Eindhoven (with Boudewijn van Dongen and Hajo Reijers).
- Advanced Course on Petri Nets 2010, 5th International Summer School on Petri Nets, September, 13-24 2010 Rostock, Germany (with Karsten Wolf).
- Workshop Co-Chair of Petri Nets 2011 (Newcastle upon Tyne, UK) and Editor of the special issue of Transactions on Petri Nets and Other Models of Concurrency (ToPNoC) based on the best workshop papers (ToPNoC VI, 2012) (with Jetty Klein).
- International Workshop on Workflow Security Audit and Certification (WfSAC 2011), Clermont-Ferrand, France, August 29th, 2011 (with Rafael Accorsi).
- International Workshop on Security in Business Processes (SBP 2012), Tallinn, Estonia, September 3rd, 2012 (with Rafael Accorsi and Raimundas Matulevicius).
- Workshop Co-Chair of Petri Nets 2012 (Hamburg, Germany) and Editor of the special issue of Transactions on Petri Nets and Other Models of Concurrency (ToPNoC) based on the best workshop papers (ToPNoC, 2013) (with Alex Yakovlev).
- European BPM Round Table 2012, Eindhoven, The Netherlands, November 2012 (with Hajo Reijers and Irene Vanderfeesten).
- Workshop on Security in Business Processes (SBP'13), Beijing, China, August 26-30, 2013 (with Rafael Accorsi Raimundas Matulevicius).
- Dagstuhl Seminar "Unleashing Operational Data Mining", November 24-29, 2013, Castle Dagstuhl, Germany (with Rafael Accorsi, Malu Castellanos, and Ernesto Damiani).
- Second European BPM Round Table, Vaduz, Liechtenstein, May 2014 (with Jan vom Brocke and Theresa Schmiedel).
- Business Process Management 2014 (BPM 2014), Eindhoven, The Netherlands, September 2014. (organizing chair after relocation from Haifa).
- Editorial board of special issue Transformational Issues of Big Data and Analytics in Networked Business, MIS Quarterly, 2015.
- Research-in-Progress Chair 23rd European Conference on Information Systems (ECIS 2015), Münster, Germany, May 2015.
- Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED 2015), Brussels, Belgium, June 2015. (with Josep Carmona and Robin Bergenthum).
- Editor of the special issue of the BISE (Business & Information Systems Engineering) on BPM Use Cases, 2015 (with La Rosa and Santoro).

- Editor of the special issue of IEEE Transaction on Service-Oriented Computing (IEEE TSC) on Processes meet Big Data, 2015 (with Ernesto Damiani).
- Editor of the special issue of ACM Transactions on Management Information Systems on Business Process Intelligence (BPI), 2015 (with Leon Zhao and Harry Jiannan Wang)
- Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED 2016), Torun, Poland, June 2016 (with Josep Carmona and Robin Bergenthum).
- Winter school on Big Software on the Run: Where Software meets Data, Ede, October 2016 (with Van Deursen).
- Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED 2017), Zaragoza, Spain, June 2017 (with Josep Carmona and Robin Bergenthum).
- 6th International Conference on Analysis of Images, Social Networks, and Texts (AIST 2017), Moscow, Russia, July 2017.
- International Conference on Application and Theory of Petri Nets and Concurrency (Petri Nets 2017), Zaragoza, Spain, June 2017 (with Eike Best).
- Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED 2018), Bratislava, Slovakia, June 2018 (with Josep Carmona and Robin Bergenthum).
- International Conference on Fundamental Approaches to Software Engineering (FASE 2019), Prague, Czech Republic, April 2019 (with Reiner Hähnle)

Program committees (excluding organization):

- 18th International conference on *Application and Theory of Petri Nets*, Toulouse, France, 1997.
- 19th International conference on *Application and Theory of Petri Nets*, Lisbon, Portugal, 1998.
- International Conference on Supporting Group Work (GROUP'99), November 14 - 17, 1999, Phoenix, Arizona, USA.
- 20th International conference on *Application and Theory of Petri Nets*, Williamsburg, US, 1999.
- Workshop on the Practical Use of High-Level Petri Nets, Tuesday June 27, 2000, Aarhus, Denmark.
- Fifth International Conference on Computer Supported Cooperative Work in Design (CSCWD2000), Hong Kong, 2000.
- 21st International conference on *Application and Theory of Petri Nets*, Aarhus, Denmark, 2000.
- Eighth European Conference on Artificial Intelligence in Medicine (AIME'01), 1-4 July, 2001, Cascais, Portugal.
- 9th International Workshop on Petri Nets and Performance Models (PNPM '01), Aachen, Germany, 2001.
- Sixth International Conference on Computer Supported Cooperative Work in Design (CSCWD2001), London, Ontario, Canada, 2001.

- International Conference on Supporting Group Work (GROUP'01), September 30 October 3, 2001, Boulder, Colorado, USA.
- Workshop on Modelling of Objects, Components, and Agents (MOCA'01), August 27-28, 2001, Aarhus, Denmark.
- 23rd International conference on *Application and Theory of Petri Nets*, Adelaide, Australia, 2002.
- Engineering and Deployment of Cooperative Information Systems (EDCIS 2002), September 2002, Beijing, China.
- Workshop on Modelling of Objects, Components, and Agents (MOCA'02), August, 2002, Aarhus, Denmark.
- Seventh International Conference on Computer Supported Cooperative Work in Design (CSCWD2002), Rio de Janeiro, Brazil, September, 2002.
- Tenth International Conference on Cooperative Information Systems (CoopIS 2002), Irvine, California, October 30 - November 1, 2002.
- 29th EUROMICRO conference, Software Process and Product Improvement, Web Service Engineering, September 3-5, Antalya, Turkey, 2003.
- Eight International Conference on Computer Supported Cooperative Work in Design (CSCWD2003), Xiamen, October, 2003.
- CAiSE'03 Workshop on Ubiquitous Mobile Information and Collaboration Systems (UMICS 2003), Klagenfurt/Velden, Austria, 16 - 17 June, 2003.
- Tenth International Conference on Cooperative Information Systems (COOPIS 2003), November 3-7, 2003, Sicily, Italy.
- ACM Group 2003 Conference, November 9 - 12, 2003, Sanibel Island, Florida, USA.
- Second International Workshop on Security Issues with Petri nets and other Computational Models (WISP2004), June 26, 2004, Bologna, Italy.
- Second International Workshop on Distributed and Mobile Collaboration (DMC 2004), satellite workshop of WETICE 2004, June 14-16, 2004, University of Modena, Bologna, Italy.
- Workshop on Coordination and Petri Nets, June 26, 2004, University of Modena, Bologna, Italy.
- 25th International conference on *Application and Theory of Petri Nets*, Bologna, Italy, 2004.
- Data & Knowledge Engineering special issue on Collaborative Business Process Technologies, 2004.
- Fifth Workshop on Colored Petri nets (CPN'04), October 8-11, 2004, Aarhus, Denmark.
- Ubiquitous Mobile Information and Collaboration Systems (UMICS 2004), workshop at CAiSE 2004, Riga, Latvia, 7 - 8 June, 2004.
- Eight International Conference on Computer Supported Cooperative Work in Design (CSCWD2004), Xiamen, China, May 2004.
- Third Workshop on Modelling of Objects, Components, and Agents (MOCA'04), Aarhus, Denmark, October 11-13, 2004.

- Track on Business Process Management Tools and Technologies in the 2005 IRMA International Conference, San Diego, California, USA May 15-18, 2005.
- Teamware: Supporting scalable virtual teams in multi-organizational settings, workshop at the 2005 International Symposium on Applications and the Internet (SAINT2005), Trento, Italy, January 31 - February 4, 2005.
- The 9th International Conference on CSCW in Design (CSCWD 2005), May 24-26, 2005, Coventry, UK.
- Second International Workshop on Applications of Petri Nets to Coordination, Workflow and Business Process Management, June 20, 2005, Miami, Florida, US.
- 2005 IEEE International Conference on Web Services (ICWS '05), Orlando, Florida , USA.
- DMC 2005 workshop at the 14th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE-2005), June 13 to 15, 2005 at Linköping University, Sweden.
- Third UMICS 2005 workshop at CAiSE 2005 (17th International Conference on Advanced Information Systems Engineering),13-17 June 2005, in Porto, Portugal.
- Seventh International IEEE Conference on E-Commerce Technology (CEC 2005), July 19-22, 2005, Munich, Germany.
- International Workshop on Web Service Choreography and Orchestration for Business Process Management at BPM 2005, Nancy, France, September 2005.
- International Workshop on Business Process Intelligence (BPI'05) at BPM 2005, Nancy, France, September 2005.
- International Workshop on Grid and Peer-to-Peer based Workflows at QSIC'05, Melbourne, Australia, September 2005.
- First International Workshop on Business Process Design: Past, Present, Future (BPD 2005) at BPM 2005, Nancy, France, September 2005.
- Workshop on Business Process Reference Models at BPM 2005, Nancy, France, September 2005.
- Second Semantic and Dynamic Web Services workshop (SDWP 2005) at the 2005 IEEE International Conference on Web Services (ICWS 2005), Orlando, Florida, USA, July 2005.
- Third International Conference on Service-oriented Computing (ICSOC'05), Amsterdam, The Netherlands, December 2005.
- International Workshop on Business Process Monitoring & Performance Management (BPMMPM 2005), Copenhagen, Denmark, 22-26 August 2005.
- Sixth Workshop on Practical Use of Coloured Petri Nets and the CPN Tools (CPN'05), Aarhus, Denmark, October 24-26, 2005.
- International Workshop on Modeling Inter-Organizational Systems (MIOS'05), Agia Napa, Cyprus, October 31st-November 1st, 2005.
- First IFIP WG 2.12 & WG 12.4 International Workshop on Web Semantics (SWWS'05) at OnTheMove - OTM 2005 Federated Conferences and Workshops, Agia Napa, Cyprus, 4 Nov 2005.

- Fifteenth Annual Workshop on Information Technologies and Systems (WITS'05), Las Vegas, Nevada, USA, December 10–11, 2005.
- Ninth Conference on Reference Modeling (Reference Modeling 2006), Passau, Germany, 20-22 February, 2006.
- IEEE International Conference on Services Computing (SCC 2006), Chicago, USA, September 18-22, 2006.
- Workshop on Dependability in Large-Scale Service-Oriented Systems (DILSOS 2006) at the ARES 2006 conference (International Conference on Availability, Reliability and Security), Vienna, Austria, April 20-22, 2006.
- International Workshop on Exploring Modeling Methods in Systems Analysis and Design (EMMSAD'06), in conjunction with CAiSE2006, Luxembourg, June 5-6, 2006.
- First IEEE Workshop on Flexibility in Process-aware Information Systems (ProFlex 2006), in conjunction with the WETICE 2006 in Manchester (UK), June 26-28 2006.
- Fourth International Workshop on Ubiquitous Mobile Information and Communication Systems (UMICS 2006) at CAiSE 2006, Luxembourg, June 5-6, 2006.
- Third International Workshop on Modeling Inter-Organizational Systems (MIOS'06) at OTM 2006, 29 Oct - 3 Nov, Montpellier, France, 2006.
- Third International Workshop on Web Services and Formal Methods (WS-FM 2006), September 8-9, 2006, Vienna, Austria.
- Fourth International Conference on Business Process Management (BPM 2006), September 5-7, 2006, Vienna, Austria.
- Workshop on Conceptual Modeling of Service-Oriented Software Systems (CoSS2006), at the 25th International Conference on Conceptual Modeling (ER2006), Tucson, AZ, November 2006.
- International Workshop on Business Process Intelligence (BPI'06) at BPM 2006, Vienna, Austria, September 2006.
- International Workshop on Dynamic Process Management (DPM'06) at BPM 2006, Vienna, Austria, September 2006.
- Workshop on Teaching Concurrency (TeaConc'2006) Satellite event of ATPN'2006 - 27th Int. Conf. on Applications and Theory of Petri nets and Other Models of Concurrency, and ACSD'2006 - 6th Int. Conf. on Application of Concurrency to System Design, Turku, Finland, June 27, 2006.
- Doctoral Consortium of ACSD'06 and PetriNets'06, Turku, Finland, June 27, 2006.
- Seventh Workshop on Practical Use of Coloured Petri Nets and the CPN Tools (CPN'06), Aarhus, Denmark, October 23-25, 2006.
- Second IFIP WG 2.12 & WG 12.4 International Workshop on Web Semantics (SWWS'06) at OTM 2006. October 29 - Nov 3, 2006, Montpellier, France.
- First International Workshop on Business Intelligence for the Real Time Enterprise (BIRTE) at VLDB 2006. September 12-15, 2006, Seoul, Korea.
- Second Workshop on Business Processes Design (BPD'06) at BPM 2006. September 4, 2006, Vienna, Austria.

- Fourth International Workshop on Modelling of Objects, Components, and Agents (MOCA'06), Turku, Finland, June 26, 2006.
- 14th International Conference on Cooperative Information Systems (CoopIS 2006). Montpellier, France, November 1 - Nov 3, 2006.
- Fourth International ACM Conference on Service-oriented Computing (ICSOC06), Chicago, USA, December, 2006.
- Sixteenth Annual Workshop on Information Technologies and Systems (WITS'06). Milwaukee, Wisconsin, USA, December 9-10, 2006.
- Second Workshop on Teaching Concurrency (TeaConc'2007), Satellite workshop of the 28th Int. Conf. on Applications and Theory of Petri nets and Other Models of Concurrency, 25 June 2007, Siedlce, Poland.
- Eighth Workshop on Practical Use of Coloured Petri Nets and the CPN Tools (CPN'07), Aarhus, Denmark, October 22-24, 2007.
- International Workshop on Petri Nets and Software Engineering (PNSE'07), Satellite workshop of the 28th Int. Conf. on Applications and Theory of Petri nets and Other Models of Concurrency, 25-26 June 2007, Siedlce, Poland.
- International Workshop on Formal Approaches to Business Processes and Web Services, Satellite workshop of the 28th Int. Conf. on Applications and Theory of Petri nets and Other Models of Concurrency, 26 June 2007, Siedlce, Poland.
- Fifth International Conference on Business Process Management (BPM 2007), Brisbane, Australia, 25-27 September 2007.
- Twelfth International Workshop on Exploring Modeling Methods in Systems Analysis and Design (EMMSAD'07), Trondheim, Norway, 11 - 12 June, 2007.
- Nineteenth International Conference on Advanced Information Systems Engineering (CAISE'07), Trondheim, Norway, 11-15 June 2007.
- Eleventh International Conference on Computer Supported Collaborative Work in Design (CSCWD2007), Melbourne, Australia, April 26-28, 2007.
- Second International Workshop on Workflow Management and Application in Grid Environments (WAGE06), Urumchi, Xinjiang, China, August 16-18, 2007.
- International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'07) held in conjunction with the 5th International Conference on Business Process Management, Brisbane, Australia, 24 September 2007.
- Third workshop on Business Processes Design (BPD'07) at BPM 2007. Brisbane, Australia, 24 September 2007.
- Third Workshop on Business Process Intelligence (BPI 07) at BPM 2007. Brisbane, Australia, 24 September 2007.
- Tenth International Workshop on Reference Modeling. Brisbane, Australia, 24 September 2007.
- International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'07). Brisbane, Australia, 24 September 2007.

- Fourth International Workshop on Web Services and Formal Methods (WS-FM 2007). Brisbane, Australia, 28-29 September 2007.
- Seventeenth Annual Workshop on Information Technologies and Systems (WITS'07), Montreal, Canada, December 8-9, 2007.
- Twentieth International Conference on Advanced Information Systems Engineering (CAISE'08), Montpellier, France, June 16-20, 2008.
- Coordination'08, Oslo, Norway, June 4-6, 2008.
- Sixth International Conference on Business Process Management (BPM 2008), Milan, Italy, 1-4 September 2008.
- Eighth International Conference on Application of Concurrency to System Design (ACSD 2008), Xidian University, Xi'an, China, 23-27 June 2008.
- Ninth Workshop on Practical Use of Coloured Petri Nets and the CPN Tools (CPN'08), Aarhus, Denmark, October 20-22, 2008.
- Eleventh International Workshop on Reference Modeling. Munich, Germany, 26-28 February 2008.
- Thirteenth International Workshop on Exploring Modeling Methods in Systems Analysis and Design (EMMSAD'08), Montpellier, France, June 16-17, 2008.
- 3rd International Workshop on Workflow Management and Applications in Grid Environments (WaGe08), Kunming, China, May 25-28, 2008.
- International Workshop on Cooperation & Interoperability - Architecture & Ontology (CIAO! 2008). Montpellier, France, June 16-17, 2008.
- Third IEEE Workshop on Agile Cooperative Process-aware Information Systems (ProGility 2008). Rome, Italy, June 23-25, 2008.
- Second International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'08). Milan, Italy, .September 4th, 2008.
- Fifth International Workshop on Web Services and Formal Methods (WS-FM 2008), September 2008, Milan, Italy.
- Sixth International Conference on Service Oriented Computing (ICSOC 2008), Sydney Australia, December 2008.
- Eighteenth Annual Workshop on Information Technologies and Systems (WITS'08), Paris, France, December 13-14, 2008.
- Fourth International Workshop on Business Process Design (BPD 2008). September 2008, Milan, Italy.
- Fourth International Workshop On Semantic Web & Web Semantics (SWWS '08), November 2008, Monterrey, Mexico.
- Fourth International Workshop on Business Process Intelligence (BPI 2008). September 2008, Milan, Italy.
- Twenty-first International Conference on Advanced Information Systems Engineering (CAISE'09), Amsterdam, The Netherlands, June 8-12 2009.
- Ninth International Conference on Application of Concurrency to System Design (ACSD 2009). July 2009, Augsburg, Germany.

- Thirteenth International Conference on Computer Supported Cooperative Work in Design (CSCWD 2009), Santiago, Chile, April 22-24, 2009.
- Fourteenth International Workshop on Exploring Modeling Methods in Systems Analysis and Design (EMMSAD'09), Amsterdam, June 8-9, 2009.
- Fourth International Workshop on Workflow Management (ICWM2009), Geneva, Switzerland, 4-8 May 2009.
- Tenth International Workshop of Business Process Modeling, Development, and Support (BPMDS'09), Amsterdam, June 2009.
- Seventh International Conference on Business Process Management (BPM 2009), Ulm, Germany, September 2009.
- International Workshop on Cooperation & Interoperability - Architecture & Ontology (CIAO! 2009). Amsterdam, The Netherlands, June 8-9, 2009.
- Fourth IEEE Workshop on Agile Cooperative Process-aware Information Systems (ProGility 2009), Groningen, The Netherlands, June 29, 2009.
- 3d International Workshop on Process-oriented information systems in healthcare (ProHealth '09), Ulm, Germany, September 7, 2009.
- International Workshop on the Business Process Modeling Notation (BPMN 2009), Vienna, Austria, July 20, 2009.
- Sixth International Workshop on Web Services and Formal Methods (WS-FM 2009), September 4-5, 2009, Bologna, Italy.
- Nineteenth Annual Workshop on Information Technologies and Systems (WITS 2009), December 14-15, 2009, Phoenix, USA.
- Twelfth International Workshop on Reference Modelling (RefMod'09), 7 September 2009 in Ulm, Germany.
- Tenth Workshop on Practical Use of Coloured Petri Nets and the CPN Tools (CPN'09), Aarhus, Denmark, October 19-21, 2009.
- Twenty-second International Conference on Advanced Information Systems Engineering (CAISE'10), Hammamet, Tunisia, June 7-11, 2010.
- International Workshop on Petri Nets and Software Engineering (PNSE'10), Braga, Portugal, June 21, 2010.
- IEEE Congress on Evolutionary Computation (CEC 2010), Barcelona, Spain, July 18-23, 2010.
- Eleventh International Workshop of Business Process Modeling, Development, and Support (BPMDS'10), Hammamet, Tunisia, June 2010.
- ACIS 2010 Track on Business Process Management (BPM), Brisbane, Australia, 1-3 December 2010.
- Eight International Conference on Business Process Management (BPM 2010), New York, 13-16 September 2010.
- IEEE World Congress on Computational Intelligence (WCCI 2010), Barcelona, Spain, July 18-23, 2010.
- Sixth International Workshop on Cooperation & Interoperability - Architecture & Ontology (CIAO! 2010). St. Gallen, Switzerland, June 4-5, 2010.

- Sixth International Workshop on Business Process Intelligence (BPI '10). Hoboken, New Jersey, 14-16 September 2010.
- International Workshop on Reuse in Business Process Management (rBPM'10). Hoboken, New Jersey, 14-16 September, 2010.
- International “Process in the Large” Workshop (IW-PL'10). Hoboken, New Jersey, 14-16 September, 2010.
- SIGMOD workshop on Workflow Approaches in data-centric e-science (WANDS'10), Indianapolis, Indiana, USA, June 6, 2010
- Second International Workshop on BPMN (BPMN 2010), Potsdam, Germany, October 13-14, 2010.
- Seventh International Workshop on Web Services and Formal Methods, Hoboken, New Jersey, USA, September 16-17, 2010.
- Twenty-third Conference on Advanced Information Systems Engineering (Caise 2011), London, UK, June 20-24th, 2011.
- Seventh International Workshop on Business Process Intelligence (BPI 2011), Clermont-Ferrand, France, August 29th, 2011.
- International Workshop on Process Model Collections (PMC 2011), Clermont-Ferrand, France, August 29th, 2011.
- International Workshop on Governance, Risk and Compliance – Applications in Information Systems (GRCIS), London, UK, June 20-24th, 2011.
- Thirty-first Symposium on Principles of Database Systems (PODS 2012), external review committee member, Scottsdale, Arizona, May 21st-23rd, 2012.
- IEEE 2012 Sixth International Workshop on Scientific and Engineering Workflows (SWF 2012), Honolulu, Hawaii, June 24-29, 2012.
- Twenty-fourth International Conference on Advanced Information Systems Engineering (CAISE'12). Gdańsk, Poland, 25 – 29 June 2012.
- Tenth International Conference on Business Process Management (BPM 2012), Tallinn, Estonia, 3-6 September 2012.
- Sixteenth IEEE International EDOC Conference (EDOC 2012), Beijing, China, September 14th, 2012.
- Exploring Modelling Methods for Systems Analysis and Design (EMMSAD 2012), Gdansk, Poland, 25-26 June, 2012.
- 10th International Workshop on System/Software Architectures (IWSSA'12), Gdansk, Poland, 25-26 June, 2012.
- Eight International Workshop on Business Process Intelligence (BPI 2012), Tallinn, Estonia, September 3rd, 2012.
- International Workshop on Data- & Artifact- centric BPM (DAB 2012), Tallinn, Estonia, September 3rd, 2012.
- International Workshop on Process Model Collections (PMC 2012), Tallinn, Estonia, September 3rd, 2012.

- Sixth International IEEE Workshop on Scientific and Engineering Workflows (SWF 2012), Honolulu, Hawaii June 24-29, 2012.
- 21st European Conference on Information Systems (ECIS 2013), Associate Editor Business Process Management Track, Utrecht, June 5-8, 2013.
- YAWL Symposium, Bonn-Rhein-Sieg, Sankt Augustin, June 2013.
- Exploring Modelling Methods for Systems Analysis and Design (EMMSAD 2013), Valencia, Spain, June 17-18, 2013.
- Workshop on Methodologies for Robustness Injection into Business Processes (MRI-BP 2013), Vancouver, Canada, September 2013.
- International Conference on Design Science Research in Information Systems and Technology (DESRIST 2013) Helsinki, Finland, June 11-12, 2013.
- Tenth International Workshop on Web Services and Formal Methods: Formal Aspects of Service-Oriented and Cloud Computing, August 2013, Beijing, China.
- Ninth International Workshop on Business Process Intelligence (BPI 2013), Beijing, China, August 2013.
- International Workshop on Petri Nets and Software Engineering (PNSE'13), Milano, Italy, June 24-25, 2013.
- International Workshop on Data-Driven Process Discovery and Analysis (SIMPDA 2013), SITIS 2013, Kyoto, Japan, 2-5 December 2013.
- International Conference on Information Systems (ICIS 2013), Milano, Italy, December 15-18, 2013.
- 9th International IFIP Workshop on Semantic Web and Web Semantics (SWWS 2013), Graz, Austria, 9-13 September 2013.
- 25th International Conference on Advanced Information Systems Engineering (CAiSE'13), Valencia, Spain, 17-21 June 2013.
- 11th International Conference on Business Process Management (BPM 2013), August 2013, Beijing, China.
- International Conference on Data, Processes, and Software Systems, (DPSS 2014), April 21-23, Hangzhou, China.
- 10th Business Process Intelligence Workshop (BPI 2014), September 2014, Haifa, Israel.
- First International Workshop on Modeling Inter-Organizational Processes (MinoPro 2014), Vienna, March 2014.
- 3rd Data- & Artifact- centric BPM (DAB) Workshop, September 2014, Haifa, Israel.
- International Conference on Data, Processes, and Software Systems (ICDPSS 2014), April 21-23, 2014, Hangzhou, China.
- 11th International Workshop on Web Services and Formal Methods: Formal Aspects of Service-Oriented and Cloud Computing (WS-FM:FASOCC 2014), September 2014, Haifa, Israel.
- 17th International Conference on Business Information Systems (BIS 2014), May 2014, Larnaca, Cyprus.

- 12th International Conference on Business Process Management (BPM 2014), September 2014, Haifa, Israel.
- 26th International Conference on Advanced Information Systems Engineering (CAiSE'14), Thessaloniki, Greece, 16-20 June 2014.
- 5th IEEE Symposium on Computational Intelligence and Data Mining (CIDM 2014), Orlando, Florida December 9-12, 2014.
- International Workshop on Data-Driven Process Discovery and Analysis (SIMPDA 2014), Milan, Italy, November 2014.
- Workshop on Methodologies for Robustness Injection into Business Processes (MRI-BP 2015), Montreal, Canada, May 2015.
- 13th International Conference on Business Process Management (BPM 2015), September 2015, Innsbruck, Austria.
- 8th SIGSAND/PLAIS EuroSymposium, September, 2015, Gdansk, Poland (advisory board)
- 9th IEEE International Conference on Big Data Science and Engineering (IEEE BigDataSE-15), Helsinki, Finland, 20-22 August, 2015.
- International Workshop on Data-Driven Process Discovery and Analysis (SIMPDA 2015), Vienna, Austria, December 2015.
- 27th International Conference on Advanced Information Systems Engineering (CAiSE'15), Stockholm, 8-12 June 2015.
- European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD 2015), Porto, Portugal, 7-11 September 2015.
- 6th International Conference on e-Technologies (MCETECH 2015), Montreal, Canada, May 2015.
- International Workshop on Data-Driven Process Discovery and Analysis (SIMPDA 2016), Graz, Austria, December 2016.
- 2nd International Forum on Research and Technologies for Society and Industry (RTSI 2016), Session on Algorithms, techniques, and architectures for Big-Data-Analytics-as-a-Service, Bologna, Italy, September 2016
- 37th International conference on Applications and Theory of Petri Nets and Concurrency, Torun, Poland, June 2016.
- 14th International Conference on Business Process Management (BPM 2016), Rio de Janeiro, Brazil, September 2016.
- 28th Benelux Conference on Artificial Intelligence (BNAIC 2016), Amsterdam, November 2016.
- 7th International Conference on e-Technologies (MCETECH 2017), Ottawa, Canada, May 17-19, 2017.
- 2nd International Workshop on Process Querying (PQ 2017), Barcelona, Spain, September 11, 2017.
- 13th International Conference on Design Science Research in Information Systems and Technology (DESRIST 2017), Karlsruhe, Germany, May 30 - June 1, 2017.

- 25th International Conference on Cooperative Information Systems (CoopIS 2017), Rhodes, Greece, October 25 – 27, 2017.
- 15th International Conference on Business Process Management (BPM 2017), Barcelona, Spain, September 10-15, 2017.
- Seventh International Workshop on Data-Driven Process Discovery and Analysis (SIMPDA 2017), Neuchatel, Switzerland, December 2017.
- 30th International Conference on Advanced Information Systems Engineering (CAiSE'18), Tallinn, 11-12 June 2018.
- Process Querying 2018 (PQ 2018), Sydney, Australia, September 10th, 2018.
- 16th International Conference on Business Process Management (BPM 2018), Sydney, Australia, September 10-13, 2018.
- 39th International conference on Applications and Theory of Petri Nets and Concurrency, Bratislava, Slovakia, June 24-29, 2018.
- 21st International Conference on Fundamental Approaches to Software Engineering (FASE), Thessaloniki, Greece, 14-20 April 2018.

Regular reviewer for international journals:

- Computers in Industry
- Information Systems
- Information Processing Letters
- International Journal on Software Tools for Technology Transfer
- ACM Transactions on Software Engineering and Methodology
- ACM Transactions on Information Systems
- International Journal of Computer Systems Science and Engineering
- IEEE Internet Computing
- IEEE Knowledge and Data Engineering
- IEEE Transactions on Software Engineering
- Information and Software Technology
- Computer Journal
- European Journal of Operations Research
- Distributed and Parallel Databases
- Data and Knowledge Engineering
- Acta Informatica
- ETRI Journal
- Automated Software Engineering
- Behaviour and Information Technology

- International Journal of Advanced Engineering Informatics
- IEEE Transactions on Industrial Informatics
- Real-Time Systems
- Information Systems Frontiers
- Computational Management Science
- Journal of Computer Science and Technology
- Journal of Reliability Engineering and System Safety
- Information Technology and Management
- International Journal of Electronic Commerce
- IEEE Transactions on Automation Science and Engineering
- Theoretical Computer Science
- Journal of Systems and Software
- Science of Computer programming
- International Journal of Approximate Reasoning
- The Knowledge Engineering Review
- MIS Quarterly
- VLDB journal
- ACM Computing Surveys

Jury Memberships (since 2012):

- Jury Martinus van Marum Prize 2008 (KHMW)
- Jury for the Netherlands Prize for ICT Research 2012 (NWO, KHMW)
- Jury for the M&I/Informatie Best Dutch Informatics Thesis 2012 (KHMW)
- Jury for the BPM Best Practice Award, BPM Personality Award, and BPM Student Award 2012 (BPM Forum, Sdu publishers)
- Selection committee KHMW 2013, 2014, 2015
- Jury for the Vidi grant scheme of Netherlands Organisation for Scientific Research (NWO) 2013.
- Jury for the Dutch Science Agenda 2015.
- Jury for the Dutch Data Science Awards 2017.
- Jury for the best BPM thesis 2017 and 2018.

Awards:

- Best paper award Informs Conference on Information Systems and Technology (CIST 2001)

- WU Best Paper Award 2005 (with J. Mendling)
- Hot paper Award of ISI Essential Science Indicators, January 2005
- Best paper award IEEE Conference on Automation Science and Engineering (CASE 2009)
- Nomination Dutch National ICT Regie Award (2009)
- Best paper award Business Process Management Conference (BPM 2010) with JC Bose.
- Best paper award Business Information Systems Conference (BIS 2011) with D. Fahland and M. de Leoni and B. van Dongen.
- Winner of the BPI Challenge 2011 with J.C. Bose (On the analysis of patient treatment procedures).
- Best paper award Business Process Management Conference (BPM 2011) with D. Fahland.
- Selected as “Top Influencer” in the field of Case Management by OpenText (2012).
- Best paper award Business Process Management Conference (BPM 2013) with Jorge Munoz-Gama and Josep Carmona.
- Best BPM 2014 tool demo award with Sander Leemans and Dirk Fahland on the Inductive Visual Miner.
- Best paper award Business Process Management Conference (BPM 2014) with Massimiliano de Leoni and Marcus Dees.
- Best BPM 2016 paper award with Felix Mannhardt, Massimiliano de Leoni, Hajo Reijers, and Peter Toussaint.
- Most influential regular paper award from the Journal on Software and Systems Modeling for the paper “Process mining: A two-step approach to balance between underfitting and overfitting” (2016).
- Best 2016 paper award from the Journal on Software and Systems Modeling with Anna Kalenkova, Wil van der Aalst, Irina Lomazova, and Vladimir Rubin.
- Best BIS 2017 paper award with Guangming Li and Renata de Carvalho.
- Alexander von Humboldt Professorship 2018.

Keynotes and Invited Lectures (Selection)

- Invited Lecture: International Conference on Application and Theory of Petri Nets (Petri nets 2002), Adelaide, Australia, June 2002.
- Invited Lecture: Workshop on Practical Use of Coloured Petri Nets and the CPN Tools (CPN 2002), Aarhus, Denmark, August 2002.
- Invited Lecture: World Congress on Medical Informatics (Medinfo 2004), San Francisco, USA, September, 2004.
- Keynote Lecture: International Workshop on Web Services and Formal Methods (WS-FM 2005), Versailles, France, September 2005.
- Invited Lecture: International Workshop on Web Service Choreography and Orchestration for Business Process Management, Nancy, France, September 2005.

- Keynote Lecture: International Conference on CSCW in Design (CSCWD 2005), Coventry, UK, May 2005.
- Invited Lecture: Business Processing Intelligence (BPI 2006), Vienna, Austria, September 2006.
- Invited Lecture: International Workshop on Technologies for Collaborative Business Process Management (TCoB 2007), Madeira, Portugal, June 2007.
- Keynote Lecture: International Conference on Application of Concurrency to System Design (ACSD 2007), Bratislava, Slovak Republic, July 2007.
- Keynote Lecture: Verification and Validation of Software Systems (VVSS 2007), Eindhoven, March 2007.
- Keynote Lecture: International Conference on Enterprise Information Systems (ICEIS 2007), Madeira, Portugal, June 2007.
- Invited Lecture: International Conference on Graph Transformation (ICGT 2008), Leicester, UK, September, 2008.
- Keynote Lecture: Gartner Business Process Management Summit, London, UK, March 2009.
- Keynote Lecture: IFIP Conference on Virtual Enterprises (PRO-VE'09), Thessaloniki, Greece, October 2009.
- Keynote Lecture: International Conference on Business Information Systems (BIS 2009), Poznan, Poland, April 2009.
- Invited Lecture: Scientific ICT Research Event Netherlands (SIREN 2009), November 2009, Enschede.
- Keynote Lecture: Jaarcongres Procesmanagement 2009, Ede, November 2009.
- Keynote Lecture: Quality 2009, Antwerp, Belgium, Maart 2009.
- Invited Lecture: International Conference on Advanced Information Systems (Caise 2009), Amsterdam, Netherlands, June 2009.
- Keynote Lecture: International Workshop on Enterprise & Organizational Modeling and Simulation (EOMAS 2010), Tunisia, June 2010.
- Keynote Lecture: 8th International Conference on Cooperative Information Systems (CoopIS 2010) Crete, Greece, October 2010.
- Keynote Lecture: IFIP WG8.1 Working Conference on the Practice of Enterprise Modelling, Oslo, Norway, November 2011.
- Keynote Lecture: IEEE European Conference on Web Services (ECOWS 2011), Lugano, Switzerland, September 2011.
- Invited Lecture: International Conference on Concurrency Theory (CONCUR 2011), Aachen, Germany, September 2011.
- Keynote Lecture: IFIP International Symposium on Data-Driven Process Discovery and Analysis, Campione d'Italia, Italy, June 2011.
- Keynote Lecture: IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE 2011), Paris, France, June 2011.
- Keynote Lecture: Multi-Agent Organisation (MAO 2011), Leiden, December 2011.

- Keynote Lecture: IEEE Symposium Series on Computational Intelligence 2011, Symposium on Computational Intelligence and Data Mining, April 2011, Paris, France.
- Invited Lecture: Fundamental Approaches to Software Engineering (FASE 2012), European Joint Conferences on Theory and Practice of Software (ETAPS), Tallinn, Estonia, March 2012.
- Keynote Lecture: NOREA/NBA Congress on Next Generation Assurance, Ermelo, November 2012.
- Keynote Lecture: German-Russian Innovation Forum “Promoting business process management excellence in Russia”, Moscow, April 24th, 2012.
- Keynote Lecture: Chinese Conference on Business Process Management (CBPM 2012), Beijing, China, August, 2012.
- Keynote Lecture: Tenth International Conference on Business Process Management (BPM 2012), Tallinn, Estonia, 3-6 September 2012.
- Keynote Lecture: Seventh International Conference on Research Challenges in Information Science (RCIS 2013), Paris, France, May 30th, 2013.
- Keynote Lecture: 13th International Conference on Web Engineering (ICWE 2013), Aalborg, Denmark, July 2013.
- Keynote Lecture: European Conference on Information Systems (ECIS 2013), Utrecht, The Netherlands June 2013.
- Keynote Lecture: Federated Conference on Computer Science and Information Systems (FedCSIS 2013), Cracow, Poland, September 2013.
- Keynote Lecture: Asia Pacific conference on Business Process Management (AP-BPM 2013), Beijing, China, August 2013.
- Keynote Lecture: Predictive Analytics World (PAW 2013), London, UK, October 2013.
- Keynote Lecture: IBM BPM Symposium 2013, Wiesbaden, Germany, September 2013.
- Keynote Lecture: Dutch BPM congress (BPM 2013), Houten, The Netherlands, November 2013.
- Keynote Lecture: Central & Eastern European Software Engineering Conference in Russia (CEE-SECR 2013), Moscow, October 2013.
- Keynote International Conference on Interoperability for Enterprise Systems and Applications (I-ESA 2014), Albi, France, March 2014.
- Invited Lecture Reactive Systems: Modeling, Development and Analysis Conference, Rehovot, Israel, April 2014.
- Invited Lecture Advanced Practices Council (APC), Society for Information Management, Chicago, May 2014.
- Keynote Lecture: IFAC/IEEE International Workshop on Discrete Event Systems (WODES 2014), Paris, France, May 2014.
- Keynote Gartner Business Process Management Summit, London, March 2014.
- Keynote IEEE Enterprise Computing Conference (EDOC 2014), Ulm, Germany, September 2014.

- Keynote International Conference on Human-Centered Software Engineering, Paderborn, Germany, September 2014.
- Keynote 6th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K), October 21-24 in Rome, Italy.
- Keynote Predictive Analytics World Berlin, 4.-5. November 2014, Berlin
- Keynote 8th DIGIT ICT Conference, Brussels, Belgium, November 2014.
- Keynote 19th IEEE International Conference on Computer Supported Cooperative Work in Design (CSCWD 2015), May 6-8, 2015, Calabria, Italy.
- Keynote Where Science Meets Business Conference, Eindhoven, The Netherlands, September 24th 2015.
- Keynote Big Data Expo 2015, Utrecht, The Netherlands, September 30th 2015.
- Keynote International Conference on Software and System Process (ICSSP 2015), August 24-26, 2015, Tallinn, Estonia.
- Keynote Multikonferenz Wirtschaftsinformatik (MKWI 2016), Ilmenau, Germany, March 10th, 2016.
- Keynote Software Industry Conference, Bussem, The Netherlands, March 17th 2016.
- Keynote 18th International Conference on Enterprise Information Systems (ICEIS 2016), Rome, April 27th, 2016.
- Keynote Annual Congress of the European Accounting Association, Maastricht, The Netherlands, May 12th, 2016.
- Keynote workshop Business Process Monitoring and Performance Analysis in the Cloud (CloudBpm), Luxemburg, December 12th, 2016.
- Keynote Predictive Analytics World for Manufacturing, Düsseldorf, Germany, February 2nd, 2017.
- Keynote Process Management Summit (PzM), Vienna, Austria, November 8th, 2017.
- Keynote SummerSim'18, Bordeaux, France, July 2018.
- Keynote IFIP World Computer Congress (WCC), Poznan, Poland, September, 2018.

PhD thesis committees

- Durk-Jouke van der Zee, Twente University, 17-1-1997.
- Twan Basten, Eindhoven University of Technology, 3-12-1998. (copromotor)
- Teade Punter, Eindhoven University of Technology, 8-3-2001.
- Daniel Cvrcek, Military Academy in Brno, 1-6-2001.
- Ton Dolan, Eindhoven University of Technology, 1-6-2001.
- Mark Ebben, Twente University, 8-6-2001.
- Maarten Sierhuis, University of Amsterdam, 28-9-2001.
- Katalin Balla, Eindhoven University of Technology, 23-10-2001.

- Andries van Dijk, Eindhoven University of Technology, 19-11-2001.
- Hajo Reijers, Eindhoven University of Technology, 23-8-2002. (2nd promotor)
- Lisa M. Wells, University of Aarhus, 28-8-2002.
- Bo Lindstrøm, University of Aarhus, 29-8-2002.
- Rik Eshuis, Twente University, 25-10-2002.
- Sanne Smits, Eindhoven University of Technology, 21-5-2003. (2nd promotor)
- Juliane Dehnert, Technical University Berlin, 22-8-2003. (2nd promotor)
- Laura Maruster, Eindhoven University of Technology, 27-8-2003.
- Robert van der Toorn, Eindhoven University of Technology, 15-1-2004. (2nd promotor)
- Bart-Jan Hommes, Delft University, 26-1-2004.
- Eric Verbeek, Eindhoven University of Technology, 10-6-2004. (1st promotor)
- Floortje Alkemade, Eindhoven University of Technology, 7-10-2004.
- Ilian Ilkov, Delft University, 2-11-2004.
- Minseok Song, Pohang University of Science & Technology, 19-12-2005. (2nd promotor)
- Samuil Angelov, Eindhoven University of Technology, 2-2-2006.
- Remco Dijkman, Twente University, 3-2-2006.
- Moe Wynn, Queensland University of Technology. Queensland University of Technology, 2006. (Associate supervisor)
- Ana Karla Alves de Medeiros, Eindhoven University of Technology, 7-11-2006. (1st promotor)
- Nick Russell, Queensland University of Technology. Queensland University of Technology, 2007. (Associate supervisor)
- Michael Adams, Queensland University of Technology. Queensland University of Technology, 2007. (Associate supervisor)
- Alex Norta, Eindhoven University of Technology, 22-3-2007. (2nd promotor)
- Jan Mendling, Vienna University of Economics and Business Administration, 8-5-2007 (2nd promotor)
- Frank Puhlmann, University of Potsdam, July 2007.
- Boudewijn van Dongen, Eindhoven University of Technology, 3-7-2007. (1st promotor)
- Vladimir Rubin, University of Paderborn, 18-10-2007.
- Olivia Oanea, Eindhoven University of Technology, 11-12-2007.
- Nick Russell, Queensland University of Technology, December 2007. (Associate supervisor)
- Rudolf Mak, Eindhoven University of Technology, 9-9-2008.
- Stijn Goedertier, University of Leuven, 16-9-2008.
- Maja Pesic, Eindhoven University of Technology, 8-10-2008. (1st promotor)
- Irene Vanderfeesten, Eindhoven University of Technology, 3-2-2009. (1st promotor)

- Benjamin Kanagwa, Radboud University Nijmegen, 21-4-2009.
- Peter Massuthe, Eindhoven University of Technology/Humboldt-Universität zu Berlin, 21-4-2009.
- Nataliya Mulyar, Eindhoven University of Technology, 16-6-2009. (1st promotor)
- Christian Günther, Eindhoven University of Technology, 22-9-2009. (1st promotor)
- Peter Hofgesang, Vrije Universiteit Amsterdam, 8-10-2009.
- Christian Stahl, Eindhoven University of Technology/Humboldt-Universität zu Berlin, 1-12-2009.
- Florian Gottschalk, Eindhoven University of Technology, 3-12-2009. (1st promotor)
- Isaac Corro Ramos, Eindhoven University of Technology, 15-12-2009.
- Gero Decker, University of Potsdam, 17-12-2009.
- Ingo Wassink, Twente University, 15-1-2010.
- Dirk Fahland, Eindhoven University of Technology/Humboldt-Universität zu Berlin, 27-9-2010. (1st promotor)
- Niels Lohmann, Eindhoven University of Technology/Universität Rostock, 27-9-2010. (1st promotor)
- Mariska Netjes, Eindhoven University of Technology, 28-9-2010. (1st promotor)
- Anne Rozinat, Eindhoven University of Technology, 3-11-2010. (1st promotor)
- Chen Li, Twente University, 11-11-2010.
- Jan Martijn van der Werf, Eindhoven University of Technology, 15-2-2011.
- Mathias Funk, Eindhoven University of Technology, 23-3-2011.
- Carmen Bratosin, Eindhoven University of Technology, 29-3-2011. (1st promotor)
- Ronny Mans, Eindhoven University of Technology, 30-6-2011. (1st promotor)
- Lachlan Aldred, Queensland University of Technology, 7-4-2011. (Associate supervisor)
- Christian Krause, Leiden University, 21-6-2011.
- Pascal Ravesteijn, Utrecht University, 19-9-2011.
- Faisal Kamiran, Eindhoven University of Technology, 11-10-2011.
- Matthias Weidlich, Hasso-Plattner-Institut, 10-11-2011.
- David Smits, Eindhoven University of Technology, 4-2-2012.
- Artem Polyvyanyy, Hasso-Plattner-Institut, 14-3-2012.
- Helen Schonenberg, Eindhoven University of Technology, 10-5-2012. (1st promotor)
- Jagadeesh Chandra Bose Rantham Prabhakara, Eindhoven University of Technology, 13-5-2012. (1st promotor)
- Zhiqiang Yan, Eindhoven University of Technology, 25-9-2012.
- Selmar Smit, Vrije Universiteit, 17-10-2012.
- Denis Ssebuggawo, Radboud University Nijmegen, 21-11-2012.

- Agnes Nakakawa, Radboud University Nijmegen, 21-11-2012.
- Jochen De Weerd, KU Leuven, 24-10-2012.
- Sudhir Agarwal (Habilitation), Karlsruher Institut für Technologie (KIT), 6-2-2013.
- Nick van Beest, University of Groningen, 7-2-2013
- Joel Ribeiro, Eindhoven University of Technology, 13-3-2013.
- Bas Lijnse, Radboud University Nijmegen, 27-3-2013.
- Pierre Gorissen, Eindhoven University of Technology, 12-6-2013.
- Jerien Keiren, Eindhoven University of Technology, 17-9-2013.
- Joyce Nakatumba, Eindhoven University of Technology, 7-11-2013. (1st promotor)
- Arya Adriansyah, Eindhoven University of Technology, 3-4-2014. (1st promotor)
- Robert Engel, Vienna University of Technology, 11-3-2014.
- Richard Muller, Eindhoven University of Technology, 28-8-2014. (1st promotor)
- Cédric Favre, Eidgenössische Technische Hochschule (ETH), 29-9-2014.
- Joos Buijs, Eindhoven University of Technology, 28-10-2014. (1st promotor)
- Jie Jiang, Delft University of Technology, 20-2-2015.
- Farideh Heidari, Delft University of Technology, 4-3-2015.
- Tijs Slaats, IT University of Copenhagen, 24-3-2015.
- Elisa Costante, Eindhoven University of Technology, 31-3-2015.
- Yulia Kiseleva, Eindhoven University of Technology, 13-6-2016.
- Dennis Schunselaar, Eindhoven University of Technology, 6-10-2016. (1st promotor)
- Heerko Groefsema, University of Groningen, 23-12-2016.
- Elham Ramezani, Eindhoven University of Technology, 16-1-2017. (1st promotor)
- Luca Canensi, Università degli Studi di Torino, Feb. 2017.
- Sander Leemans, Eindhoven University of Technology, 9-5-2017. (1st promotor)
- Han van der Aa, Vrije Universiteit Amsterdam, 26-1-2018.
- Mirela Botezatu, Eidgenössische Technische Hochschule (ETH), XX-XX-2018.
- Felix Mannhardt, Eindhoven University of Technology, 7-2-2018 (2nd promotor)
- Xixi Lu, Eindhoven University of Technology, 17-5-2018. (1st promotor)

Other (honors, memberships, roles)

- member of the editorial board of Computer Supported Cooperative Work (since 2009)
- member of the editorial board of Software and Systems Modeling (since 2012)
- vice editor-in-chief Business & Information Systems Engineering (since 2015)
- field editor/associate editor of Computing (since 2012)

- member of the editorial board of Business & Information Systems Engineering: The International Journal of Wirtschaftsinformatik (since 2008)
- associate editor of the International Journal of Business Process Integration and Management (since 2006)
- associate editor of the IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans (IEEE-SMC-A) (2011-2013)
- associate editor of the International Journal on Enterprise Modelling and Information Systems Architectures (since 2005)
- associate editor of Computers in Industry (since 2000)
- member of the editorial board of Distributed and Parallel Databases (2008-2018)
- member of the advisory board of Distributed and Parallel Databases (2017-)
- 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)
- associate editor of Transactions on Petri Nets and Other Models of Concurrency (ToPNoC) (since 2008)
- member of the steering committee of the International Conference Series on Application and Theory of Petri nets (since 2003)
- member of the senior editorial board of the Annals of Computer Science and Information Systems (ACSIS) (since 2015)
- member of the senior editorial board of the International Journal on Software and Systems Modeling (since 2013)
- member of the steering committee of the International Workshop Series on Web Services and Formal Methods (since 2006)
- member of the IFIP WG2.12/12.4 on Web Semantics (since 2004)
- member of the steering committee of the Technical Area Workflow Management in Scalable Computing Environments of IEEE Technical Committee on Scalable Computing (since 2007)
- scientific director of the Data Science Center Eindhoven (DSC/e) (2013-2018)
- distinguished university professor of TU/e (2013-2018)
- member of the steering committee of the International Conference Series on Business Process Management (since 2003)
- chair of the steering committee of the International Conference Series on Business Process Management (2003-2017)
- co-founder of the BPM User Group Foundation (before: Protos User Group) (2011)
- member of the advisory body BPM-Forum Nederland (since 2003)
- member of the advisory body of Fluxicon (since 2011)
- member of the scientific advisory body of ProcessGold (since 2016)
- chief scientific advisor of Celonis (since 2016)

- member of the advisory body of Bright Cape (since 2017)
- member of the Council for Physics and Technical Sciences of the Royal Netherlands Academy of Arts and Sciences (KNAW adviesraad voor de Natuur- en Technische wetenschappen, RNTW)) (since 2017)
- chair of the ASPT Foundation (since 2006)
- scientific director and co-founder of the European BPM round table (since 2012)
- fellow director of AIS Special Interest Group on Process Automation and Management (SIGPAM), Association of Information Systems (since 2000)
- series Editor of Lecture Notes in Business Information Processing (LNBIP) by Springer (since 2006)
- member of the IEEE CIS Technical Committee (since 2009)
- chair IEEE Task Force on Process Mining (since 2009)
- academic supervisor, International Laboratory of Process-Aware Information Systems (PAIS Lab), National Research University, Higher School of Economics, Moscow (from 2012-2015)
- member of the Board of Governors of Tilburg University (since 2015)
- member of the Royal Holland Society of Sciences and Humanities (Koninklijke Hollandsche Maatschappij der Wetenschappen) (since 2008)
- member of the Royal Netherlands Academy of Arts and Sciences (Koninklijke Nederlandse Akademie van Wetenschappen) (since 2014)
- member of Academia Europaea (The Academy of Europe) (since 2011)
- honorary guest professor at Tsinghua University (Beijing, China, since 2013)
- honorary doctorate of Hasselt University (Belgium) (2012)
- honorary professor Higher School of Economics (Moscow, Russia, 2015)
- Alexander von Humboldt Professorship (2018-2023)