

Curriculum Vitae

Personal Information

FAMILY NAME, FIRST NAMES	van der Aalst, Willibrordus Martinus Pancratius (Wil)
ACADEMIC TITLES	Univ. Prof. Prof. h. c. Dr. Dr. h. c. Ir.
NATIONALITY	Dutch
DATE OF BIRTH	29 January 1966 (Eersel, The Netherlands)
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EDUCATION

Sept 1988 - Sept 1992	Ph.D. in Mathematics Eindhoven University of Technology, Eindhoven, The Netherlands Thesis: "Timed Colored Petri Nets and Their Application to Logistics" Advisors: prof.dr. J. Wessels and prof.dr. K.M. van Hee
Sept 1984 - Aug 1988	Bachelor and Master in Computer Science Eindhoven University of Technology, Eindhoven, The Netherlands Master thesis: "Specification and Simulation using ExSpect"

CURRENT POSITIONS

since 2018	Professor RWTH Aachen University RWTH Aachen University, Aachen, Germany <ul style="list-style-type: none"> • Chair of the Process and Data Science group (Lehrstuhl für Informatik 9) • Alexander von Humboldt Professorship • Co-speaker and Principal Investigator of the DFG Cluster of Excellence - Internet of Production (IoP) • Chair of the Steering Committee of the RWTH Profile Area ICT • Founding Director of the RWTH Artificial Intelligence Center
since 2021	Chief Scientist at Celonis Guiding R&D activities, product strategy, and academic alliance, München, Germany
since 2018	Lead Scientist at Fraunhofer FIT Guiding process mining research at Fraunhofer FIT, Sankt Augustin, Germany

OTHER ONGOING (UNPAID) PROFESSIONAL ACTIVITIES

- since 2002 **Adjunct Professor QUT**
Queensland University of Technology (QUT), Brisbane, Australia
- since 2023 **Member of the LOEWE Advisory Board**
Hessian Ministry of Higher Education, Research and the Arts, Wiesbaden, Germany
- since 2022 **Member of the Scientific Advisory Board of ClimaTiq**
ClimaTiq Technologies GmbH, Berlin, Germany
- ongoing **Membership of Various Steering Committees**
- Member of the steering committee of the International Conference Series on Application and Theory of Petri nets (since 2003)
 - Advisory board member of the International Conference Series on Business Process Management
- ongoing **Membership of Various Editorial Boards**
- Vice editor-in-chief of Business & Information Systems Engineering (since 2015)
 - Series Editor of Lecture Notes in Business Information Processing (since 2006)
 - Associate editor of Transactions on Petri Nets and Other Models of Concurrency (since 2008)
 - Member of the advisory board of Distributed and Parallel Databases (since 2017)
 - Associate editor of Computers in Industry (since 2000)
 - Member of the senior editorial board of the Annals of Computer Science and Information Systems (ACSIS) (since 2015)
 - Associate editor of the International Journal of Business Process Integration and Management (since 2006)
 - Senior editor of the International Journal on Enterprise Modelling and Information Systems Architectures (since 2005)
 - Member of the editorial (advisory) board of Computer Supported Cooperative Work (since 2009)
 - Member of the editorial board of Software and Systems Modeling (since 2012)
 - Action Editor Data Mining and Knowledge Discovery (since 2023)
 - Member of the editorial board of Process Science - Business Process Management and Process Mining (since 2024)

PREVIOUS POSITIONS

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

- 1992 -1999 **Assistant / Associate Professor TU/e**
Chair of the Specification and Modeling of Information Systems group at the Department of Mathematics and Computer Science of Eindhoven University of Technology (TU/e), Netherlands. Member of the management team of the research institute BETA.
- 1998-1999 **Research assistant TNO and TU/e**
Working for the TNO institute IPL while doing a PhD at Eindhoven University of Technology (TU/e), Netherlands. Member of the TASTE working group
- 2008-2021 **Membership of Various Editorial Boards**
- Associate Editor "SN Computer Science" (2019-2023)
 - Field editor/associate editor of Computing (2012-2022)
 - Associate editor of the IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans (IEEE-SMC-A) (2011-2013)
 - Member of the editorial board of Distributed and Parallel Databases (2008-2018)
 - Associate editor of IEEE Transactions on Services Computing (2008-2016)
 - Associate editor of IEEE Transactions on Automation Science and Engineering (2008-2010)
 - Associate editor of IEEE Transactions on Industrial Informatics (2009-2013)

PUBLICATION RECORD

H-INDEX	184 (Google Scholar, Ranked 2 nd in Germany and 9 th worldwide in Computer Science according to Research.com)
CITATIONS	> 158.000 (Google Scholar)
H-INDEX SINCE 2020	94
BOOKS	> 35 (10 authored books and >25 edited books)
REVIEWED JOURNAL PAPERS	> 305 (299 indexed by DBLP)
REVIEWED CONFERENCE/WORKSHOP PAPERS	> 723 (662 indexed by DBLP)
BOOK CHAPTERS	> 94 (28 indexed by DBLP)
OTHER PUBLICATIONS (EDITORIALS, REPORTS, ETC.)	> 375

FELLOWSHIPS AND AWARDS

2024	Second highest-ranked computer scientist in Germany, and 9 th highest-ranked computer scientist in the world (Research.com 2024 ranking)
2022	Elected member of acatech (German National Academy of Science and Engineering), Germany
2021	IEEE Fellow Institute of Electrical and Electronics Engineers (IEEE)
2020	ACM Fellow Association for Computing Machinery (ACM)
2020	IFIP Fellow International Federation for Information Processing (IFIP)
2020	Elected member of the North Rhine-Westphalian Academy of Sciences, Humanities and the Arts , Germany
2018	Alexander-von-Humboldt Professor Award (five million euro), Germany
2013	Distinguished University Professor of TU/e (Only five professors had this special position at Eindhoven University of Technology)
2008	Elected member of the Royal Holland Society of Sciences and Humanities (Koninklijke Hollandsche Maatschappij der Wetenschappen), NL
2014	Elected member of the Royal Netherlands Academy of Arts and Sciences (Koninklijke Nederlandse Akademie van Wetenschappen), NL
2011	Elected member of Academia Europaea (The Academy of Europe)
2013	Honorary guest professor at Tsinghua University, Beijing, China
2012	Honorary doctorate from Hasselt University , Hasselt, Belgium
2015	Honorary professorship from Higher School of Economics , Moscow, Russia
2000 - now	Over 35 best paper and most influential paper awards (BPM, SoSym, ATPN, ICPM, BIS, etc.)

TEACHING ACTIVITIES

1992 - now **Master courses:** Introduction to Data Science, Advanced Process Mining, Business Process Management Systems, Workflow Management, and Simulation
Bachelor courses: Elements of Machine Learning and Data Science, Business Process Intelligence, Introduction to Process Mining, Perspectives on Data Science, Business Information Systems, Systems Engineering, Process Modeling, Business Process Management, and Specification of Information Systems
Online courses: Four open online process mining courses, e.g., **Process Mining: Data science in Action** (Coursera with > 165.000 registered participants)
Course and curriculum development: All of the above courses were developed from scratch and taught for several years. Leadership roles (e.g., scientific director) in computer science, data science, and business information systems programs at the bachelor and master level

BOOKS (SELECTION)

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

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

JOURNAL PAPERS (EXCLUDING DUTCH JOURNALS)

1. H. Kourani, S.J. van Zelst, D. Schuster, and W.M.P. van der Aalst. Discovering Partially Ordered Workflow Models. [INFORMATION SYSTEMS](#), 128:102493, 2025.
2. M. Rafiei, M. Pourbafrani, and W.M.P. van der Aalst. Federated Conformance Checking. [INFORMATION SYSTEMS](#), 131:102525, 2025.
3. F. Vitale, M. Pegoraro, W.M.P. van der Aalst, and N. Mazzocca. Control-Flow Anomaly Detection By Process Mining-Based Feature Extraction and Dimensionality Reduction. [KNOWLEDGE-BASED SYSTEMS](#), 310:112970, 2025.
4. S.J.J. Leemans, T. Brockhoff, W.M.P. van der Aalst, and A. Polyvyanyy. Partially Ordered Stochastic Conformance Checking. [KNOWLEDGE AND INFORMATION SYSTEMS](#), 67(3):2291–2319, 2025.
5. P. Ceravolo, S. Barbon Junior, E. Damiani, and W.M.P. van der Aalst. Tuning Machine Learning to Address Process Mining Requirements. [IEEE ACCESS](#), 12:24583–24595, 2024.
6. M.Y. Wynn, W.M.P. van der Aalst, E. Verbeek, and B.N. Di Stefano. The IEEE XES Standard for Process Mining: Experiences, Adoption, and Revision. [IEEE COMPUTATIONAL INTELLIGENCE MAGAZINE](#), 19(1):20–23, 2024.
7. L.L. Mannel and W.M.P. van der Aalst. Discovering Process Models with Long-Term Dependencies while Providing Guarantees and Filtering Infrequent Behavior Patterns. [FUNDAMENTA INFORMATICA](#), 190(2-4):109–158, 2024.
8. A. Berti, J. Herforth, M.S. Qafari, and W.M.P. van der Aalst. Graph-Based Feature Extraction on Object-Centric Event Logs. [INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS](#), 18(2):1–23, 2024.
9. D. Schuster, F. Zerbato, S.J. van Zelst, and W.M.P. van der Aalst. Defining and Visualizing Process Execution Variants from Partially Ordered Event Data. [INFORMATION SCIENCES](#), 657:119958, 2024.
10. A.T. Burke, S.J.J. Leemans, M.T. Wynn, W.M.P. van der Aalst, and A.H.M. ter Hofstede. A Chance For Models To Show Their Quality: Stochastic Process Model-Log Dimensions. [INFORMATION SYSTEMS](#), 124:102382, 2024.
11. D. Schuster, E. Benevento, D. Aloini, and W.M.P. van der Aalst. Analyzing Healthcare Processes with Incremental Process Discovery: Practical Insights from a Real-World Application. [JOURNAL OF HEALTHCARE INFORMATICS RESEARCH](#), 8(3):523–554, 2024.
12. H.H. Beyel, O. Makke, M. Pourbafrani, O. Gusikhin, and W.M.P. van der Aalst. Analyzing Data Streams from Cyber-Physical-Systems: A Case Study. [SN COMPUTER SCIENCE](#), 5(6):706, 2024.
13. E. Brzyczczyni, A. Zuber, and W.M.P. van der Aalst. Process Mining of Mining Processes: Analyzing Longwall Coal Excavation Using Event Data. [IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS: SYSTEMS](#), 54(5):2723–2734, 2024.
14. W.M.P. van der Aalst, H.A. Reijers, and L. Maruster. Process Mining Beyond Workflows. [COMPUTERS IN INDUSTRY](#), 161:104126, 2024.

15. A. Berti, U. Jessen, G. Park, M. Rafiei, and W.M.P. van der Aalst. Analyzing Interconnected Processes: Using Object-Centric Process Mining To Analyze Procurement Processes. [INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS](#), pages 1–23, 2023.
16. G. Park, D. Schuster, and W.M.P. van der Aalst. Pattern-Based Action Engine: Generating Process Management Actions Using Temporal Patterns of Process-Centric Problems. [COMPUTERS IN INDUSTRY](#), 153:104020, 2023.
17. J.N. Adams, G. Park, and W.M.P. van der Aalst. Preserving Complex Object-Centric Graph Structures to Improve Machine Learning Tasks in Process Mining. [ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE](#), 125:106764, 2023.
18. Y. Dwivedi, N. Kshetri, L. Hughes, E. Slade, A. Jeyaraj, A. Kar, A. Baabdullah, A. Koohang, V. Raghavan, M. Ahuja, H. Albanna, M. Albashrawi, A. Al-Busaidi, J. Balakrishnan, Y. Barlette, S. Basu, I. Bose, L. Brooks, D. Buhalis, L. Carter, S. Chowdhury, T. Crick, S. Cunningham, G. Davies, R. Davison, R. De', D. Dennehy, Y. Duan, R. Dubey, R. Dwivedi, J. Edwards, C. Flavián, R. Gauld, V. Grover, M. Hu, M. Janssen, P. Jones, I. Junglas, S. Khorana, S. Kraus, K. Larsen, P. Latreille, S. Laumer, F. Malik, A. Mardani, M. Mariani, S. Mithas, E. Mogaji, J. Nord, S. O'Connor, F. Okumus, M. Pagani, N. Pandey, S. Papagiannidis, I. Pappas, N. Pathak, J. Pries-Heje, R. Raman, N. P. Rana, S. Rehm, S. Ribeiro-Navarrete, A. Richter, F. Rowe, S. Sarker, B. Stahl, M. Tiwari, W.M.P. van der Aalst, V. Venkatesh, G. Viglia, M. Wade, P. Walton, J. Wirtz, and R. Wright. "So what if ChatGPT wrote it?" Multidisciplinary perspectives on opportunities, challenges and implications of generative conversational AI for research, practice and policy. [INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT](#), 71:102642, 2023.
19. M. Fani Sani, M. Vazifehdoostirani, G. Park, M. Pegoraro, S.J. van Zelst, and W.M.P. van der Aalst. Performance-Preserving Event Log Sampling for Predictive Monitoring. [JOURNAL OF INTELLIGENT INFORMATION SYSTEMS](#), 61(1):53–82, 2023.
20. L. Barbieri, E.R.M. Madeira, K. Stroeh, and W.M.P. van der Aalst. A Natural Language Querying Interface for Process Mining. [JOURNAL OF INTELLIGENT INFORMATION SYSTEMS](#), 61(1):113–142, 2023.
21. A. Berti, G. Park, M. Rafiei, and W.M.P. van der Aalst. A Generic Approach To Extract Object-Centric Event Data From Databases Supporting SAP ERP. [JOURNAL OF INTELLIGENT INFORMATION SYSTEMS](#), 61(3):835–857, 2023.
22. W.M.P. van der Aalst, R. De Masellis, C. Di Francescomarino, C. Ghidini, and H. Kourani. Discovering Hybrid Process Models With Bounds on Time and Complexity: When To Be Formal and When Not? [INFORMATION SYSTEMS](#), 116:102214, 2023.
23. W.M.P. van der Aalst. Object-Centric Process Mining: Unraveling the Fabric of Real Processes. [MATHEMATICS](#), 11(12):2691, 2023.
24. A. Berti and W.M.P. van der Aalst. OC-PM: Analyzing Object-Centric Event Logs and Process Models. [INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER](#), 25(1):1–17, 2023.
25. M. Rafiei and W.M.P. van der Aalst. An Abstraction-Based Approach for Privacy-Aware Federated Process Mining. [IEEE ACCESS](#), 11:33697–33714, 2023.
26. J.N. Adams, S.J. van Zelst, T. Rose, and W.M.P. van der Aalst. Explainable Concept Drift in Process Mining. [INFORMATION SYSTEMS](#), 114:102177, 2023.
27. J.N. Adams, C. Pitsch, T. Brockhoff, and W.M.P. van der Aalst. An Experimental Evaluation of Process Concept Drift Detection. [PROCEEDINGS OF THE VLDB ENDOWMENT](#), 16(8):1856–1869, 2023.
28. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Cortado: A Dedicated Process Mining Tool for Interactive Process Discovery. [SOFTWAREX](#), 22:101373, 2023.
29. M. Martini, D. Schuster, and W.M.P. van der Aalst. Mining Frequent Infix Patterns from Concurrency-Aware Process Execution Variants. [PROCEEDINGS OF THE VLDB ENDOWMENT](#), 16(10):2666–2678, 2023.
30. G. Park and W.M.P. van der Aalst. Action-Oriented Process Mining: Bridging The Gap Between Insights and Actions. [PROGRESS IN ARTIFICIAL INTELLIGENCE](#), pages 1–22, July 2022.
31. M.S. Qafari and W.M.P. van der Aalst. Feature Recommendation For Structural Equation Model Discovery In Process Mining. [PROGRESS IN ARTIFICIAL INTELLIGENCE](#), pages 1–25, June 2022.
32. W.M.P. van der Aalst. European Leadership in Process Management. [COMMUNICATIONS OF THE ACM](#), 65(4):80–83, 2022.

33. V. Bloemen, S.J. van Zelst, W.M.P. van der Aalst, B.F. van Dongen, and J. van de Pol. Aligning Observed and Modelled Behaviour by Maximizing Synchronous Moves and Using Milestones. *INFORMATION SYSTEMS*, 103:101456, 2022.
34. D. Schuster, S.J. van Zelst, and W.M.P. van der Aalst. Utilizing Domain Knowledge in Data-Driven Process Discovery: A Literature Review. *COMPUTERS IN INDUSTRY*, 137:103612, 2022.
35. M. Pourbafrani and W.M.P. van der Aalst. Discovering System Dynamics Simulation Models Using Process Mining. *IEEE ACCESS*, 10:78527–78547, 2022.
36. J. Yang, C. Ouyang, W.M.P. van der Aalst, A.H.M. ter Hofstede, and Y. Yu. OrdinoR: A Framework for Discovering, Evaluating, and Analyzing Organizational Models Using Event Logs. *DECISION SUPPORT SYSTEMS*, 158:113771, 2022.
37. V. Pasquabisceglie, A. Appice, G. Castellano, and W.M.P. van der Aalst. PROMISE: Coupling Predictive Process Mining to Process Discovery. *INFORMATION SCIENCES*, 606:250–271, 2022.
38. J.N. Adams, G. Park, and W.M.P. van der Aalst. ocpa: A Python Library for Object-Centric Process Analysis. *SOFTWARE IMPACTS*, 14:100438, 2022.
39. J. Munoz-Gama, N. Martin, C. Fernandez-Llatas, O. Johnson, M. Sepulveda, E. Helm, V. Galvez-Yanjari, E. Rojas, A. Martinez-Millana, D. Aloini and I.A. Amantea, R. Andrews, M. Arias, I. Beerepoot, E. Benevento, A. Burattin, D. Capurro, J. Carmona, M. Comuzzi, B. Dalmas, R. de la Fuente, C. Di Francescomarino, C. Di Ciccio, R. Gatta, C. Ghidini, F. Gonzalez-Lopez, G. Ibanez-Sanchez, H. Klasky, A.P. Kurniati, X. Lu, F. Mannhardt, R. Mans, M. Marcos, R.M. de Carvalho, M. Pegoraro, S. Poon, L. Pufahl, H. Reijers, S. Remy, S. Rinderle-Ma, L. Sacchi, F. Seoane, M. Song, A. Stefanini, E. Sulis, A.H.M. ter Hofstede, P. Toussaint, V. Traver, Z. Valero-Ramon, I. van de Weerd, W.M.P. van der Aalst, R.J.B. Vanwersch, M. Weske, M.T. Wynn, and F. Zerbato. Process Mining for Healthcare: Characteristics and Challenges. *JOURNAL OF BIOMEDICAL INFORMATICS*, 127:103994, 2022.
40. E. Benevento, D. Aloini, and W.M.P. van der Aalst. How Can Interactive Process Discovery Address Data Quality Issues in Real Business Settings? Evidence from a Case Study in Healthcare. *JOURNAL OF BIOMEDICAL INFORMATICS*, 130:104083, 2022.
41. P. Brauner, M. Dalibor, M. Jarke, I. Kunze, I. Koren, G. Lakemeyer, M. Liebenberg, J. Michael, J. Pennekamp, C. Quix, B. Rumpe, W.M.P. van der Aalst, K. Wehrle, A. Wortmann, and M. Ziefle. A Computer Science Perspective on Digital Transformation in Production. *ACM TRANSACTIONS ON INTERNET OF THINGS*, 3(2):15:1–15:32, 2022.
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