



Curriculum Vitae

Prof.dr.ir. Wil van der Aalst

Contact/general information

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Lehrstuhl für Informatik 9 / Process and Data Science
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Academic Training and Education

- 1988 - 1992 PhD in Mathematics, Eindhoven University of Technology
- 1984 - 1988 Bachelor and Master in Computer Science, Eindhoven University of Technology
- 1978 - 1984 VWO-ongedeeld, Rythoviuscollege, Eersel

Professional Career

- 2018 – now Full professor and chair of the Lehrstuhl für Informatik 9 - Process and Data Science, RWTH Aachen University (Alexander von Humboldt professorship)
- 2018– now Leader Process Mining group at Fraunhofer FIT
- 2006 – now Professor of Architecture of Information Systems, Department of Mathematics and Computer Science, Eindhoven University of Technology
- 2016– now FBK Affiliated Fellow, Fondazione Bruno Kessler, Trento, Italy
- 2015– now Board of Governors Tilburg University, The Netherlands
- 2002 – now Adjunct Professor, Queensland University of Technology, Brisbane, Australia
- 2013 – 2016 Scientific Director of the Data Science Center Eindhoven (DSC/e)
- 2012 - 2015 Professor and Academic Supervisor of the PAIS lab of the National Research University Higher School of Economics, Moscow, Russia
- 2000 - 2010 Professor of Information Systems, Department of Industrial Engineering & Innovation Sciences, Eindhoven University of Technology
- 1999 - 2000 Visiting Professor, University of Colorado, USA
- 1999 - 1999 Visiting Professor, University of Georgia, USA
- 1998 - 1999 Visiting Professor, University of Karlsruhe, Germany
- 1992 – 1999 Associate/Assistant Professor, Eindhoven University of Technology
- 1988 – 1992 Research Assistant, TNO/Eindhoven University of Technology

Scientific Profile

Prof. Wil van der Aalst published over 220 journal papers, 600 book chapters and refereed articles in proceedings of international conferences, and 20 books as an author or editor. From his books most

notable are "Workflow Management: Model, Methods, and Systems" (with editions in Dutch in 1997 and 2004, in English in 2002 and 2004, in Russian and Chinese in 2004, and in Portuguese in 2009), "Process Mining: Discovery, Conformance and Enhancement of Business Processes" (Springer, 2011, also translated in Chinese in 2014), "Process Mining: Data Science in Action" (Springer, 2016), "Modeling Business Processes: A Petri Net Oriented Approach" (MIT press, 2011), "Modern Business Process Automation: YAWL and its Support Environment" (Springer, 2010), and "Process-Aware Information Systems" (Wiley, 2005, also translated in Chinese in 2008).

Well-known is his work on (a) *the modeling and analysis of workflow processes* (cf. workflow nets and the seminal soundness notion), (b) *workflow patterns* (his DAPD paper on the workflow patterns is the most cited paper in the BPM domain and the workflow patterns website www.workflowpatterns.com has been the most visited website on workflow management over the last decade), and (c) *process mining* (Van der Aalst established an international process mining community). Under his supervision, the ProM tool was developed (cf. www.processmining.org) and he also co-initiated the development of other open-source products such as YAWL, Declare, RapidProM, and Woflan.

In recent years, his research concentrated on *process mining*. Van der Aalst developed various techniques to discover, monitor and improve processes using event data. Process mining is a relatively young research discipline that lies between machine learning and data mining on the one hand, and process modeling and analysis on the other. He is generally considered to be the founder of the process mining field and together with his team he developed powerful techniques for (automated) *process discovery* (i.e. extracting process models from event logs) and *conformance checking* (i.e. monitoring deviations by aligning model and log). Process discovery algorithms need to cope with multiple objectives: replay fitness (ability to reproduce the event log), precision (to avoid underfitting), generalization (to avoid overfitting), and simplicity (Occam's razor). Conformance checking can be formulated as an optimization problem given a cost function in terms of these objectives. Besides the control-flow perspective, also the resource, data, and time perspectives are taken into account. Recently, Van der Aalst's team has developed techniques for online/distributed process mining and detecting concept drift in processes. These results have been implemented in ProM, an open-source process mining framework developed by his team with contributions from research groups all over the globe. *The ideas and algorithms related to process mining have also been adopted in more than 20 commercial process mining tools*, including Disco (Fluxicon), Celonis Process Mining, ProcessGold Enterprise Platform (ProcessGold), ARIS PPM (Software AG), QPR ProcessAnalyzer, minit (Gradient ECM), myInvenio (Cognitive Technology), Perceptive Processing Mining (Lexmark), etc.

His work has been very influential as demonstrated by the many citations and adoption of his ideas in (industrial) software. *According to Google Scholar his work has been cited more than 90,000 times and his Hirsch Index is 142*. He is a so-called ISI Highly Cited researcher and according to Google Scholar he is *one of the highest ranked computer scientists in the world* (see for example the Top H-Index for Computer Science and Electronics <http://www.guide2research.com/scientists/>, the "Palsberg list" <http://www.cs.ucla.edu/palsberg/h-number.html>, and the ShanghaiRanking's Global Ranking of Most Cited Researchers 2016 by Elsevier <http://www.shanghairanking.com/The-Most-Cited-Researchers-Developed-for-ShanghaiRanking-Global-Ranking-of-Academic-Subjects-2016-by-Elsevier.html>). He is

generally considered to be the most prolific BPM researcher and highest ranked active Dutch computer scientist.

Prof. Van der Aalst is an elected member of the Koninklijke Nederlandse Akademie van Wetenschappen (Royal Netherlands Academy of Arts and Sciences), the Koninklijke Hollandsche Maatschappij der Wetenschappen (Royal Holland Society of Sciences and Humanities) and Academia Europaea (The Academy of Europe). In 2012 he received an honorary doctorate of Hasselt University (Belgium). In 2013, he was appointed as Distinguished University Professor of TU/e and was awarded an honorary guest professorship at Tsinghua University. In 2015, he also received an honorary professorship from the Higher School of Economics in Moscow.

He is frequently asked as an invited/keynote speaker for the main conferences in the field. Not only scientific conferences in his own research area (CAiSE, Concur, FASE, OTM, ATPN, BPM, RCIS, WODES, IESA, MKWI, PAW, etc.) but also conferences in other domains (e.g., keynotes at medical conferences like Medinfo) and conferences aiming at practitioners (cf. his keynotes at two Gartner BPM Summits).

Van der Aalst (co-)organized about 25 conferences and workshops and was a program committee member of about 190 workshops and conferences. He is a member of important steering committees of international scientific organizations. He started the International Conference Series on Business Process Management. This conference is now the leading conference in his research area and Van der Aalst was the chair of the steering committee of this conference from 2003 until 2018. He is also chair of the IEEE Task Force on Process Mining. Besides serving as a member of several other steering committees, he is also editor/member of the editorial board of 12 journals and book series.

The impact of his work is not restricted to the academic world. Many of his ideas and software products have been adopted in practice. YAWL (workflow system) has been downloaded more than 265,000 times, ProM (process mining tool) has been downloaded more than 150,000 times, and CPN Tools (modeling and simulation tool) has been downloaded more than 85,000 times. Note that these are not commodity tools, but advanced software products related to the business process analysis and enactment. Hence, these numbers are quite remarkable. Moreover, these open-source software tools also served as examples for developers of commercial tools (basically all current process mining tools and the BPM software provided by IBM, SAP, HP, Perceptive, Software AG, and Cordys).

Van der Aalst also inspired many younger researchers and helped them to be successful. For example, over the last decade he successfully supervised more than twenty PhD students. Many of his students received prizes (best paper awards, thesis awards, and prestigious grants), e.g., three of his PhD students won the best thesis award of the KNAW research school BETA (in 2008, 2010, and 2011) and dr. Medeiros won in 2007 prize for the best PhD thesis produced at TU/e across all disciplines. Some of his students also started new innovative software companies, cf. Fluxicon and Futura Process Intelligence (now part of Lexmark).

Current Professional Duties (selection)

- Chair of the Lehrstuhl für Informatik 9 - Process and Data Science at RWTH Aachen University
- Founder and leader of the Process Mining group at TU/e.
- Scientific Director of the Data Science Center Eindhoven (DSC/e).
- Member of the Board of Governors of Tilburg University (since 2015).
- Series Editor of Lecture Notes in Business Information Processing (LNBIP) by Springer.
- Member of the editorial board of Distributed and Parallel Databases (since 2008).
- 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).
- Associate editor of IEEE Transactions on Services Computing (since 2008).
- 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).
- Chair of the steering committee of the International Conference Series on Business Process Management (since 2003).
- Member of the steering committee of the International Conference Series on Application and Theory of Petri nets (since 2005).
- Member of the steering committee of the International Workshop Series on Web Services and Formal Methods.
- Founder and leader of the IEEE Task Force on Process Mining.
- Elected Member of the Royal Netherlands Academy of Arts and Sciences (Koninklijke Nederlandse Akademie van Wetenschappen).

- Elected Member of the Royal Holland Society of Sciences and Humanities (Koninklijke Hollandsche Maatschappij der Wetenschappen).
- Elected Member of Academia Europaea (the Academy of Europe).

Selected publications

Wil van der Aalst published 220 journal papers, over 600 book chapters and refereed articles in proceedings of international conferences, and 20 books as an author or editor. Below is a small selection. See <http://www.vdaalst.com> and http://dblp.uni-trier.de/pers/hd/a/Aalst:Wil_M= P= van_der.html for more extensive lists.

- W.M.P. van der Aalst. *Process Mining: Discovery, Conformance and Enhancement of Business Processes*. Springer-Verlag, Berlin, 2011. (3632 citations)
- 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. (4228 citations)
- W.M.P. van der Aalst and A.H.M. ter Hofstede. *YAWL: Yet Another Workflow Language. Information Systems*, 30(4):245-275, 2005. (1871 citations)
- W.M.P. van der Aalst, A. Weijters, and L. Maruster. *Workflow Mining: Discovering Process Models from Event Logs. IEEE Transactions on Knowledge and Data Engineering*, 16(9):1128-1142, 2004. (2075 citations)
- W.M.P. van der Aalst, B. van Dongen, J. Herbst, L. Maruster, G. Schimm, and A. Weijters. *Workflow Mining: A Survey of Issues and Approaches. Data and Knowledge Engineering*, 47(2):237-267, 2003. (1321 citations)
- 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. (819 citations)
- 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. (1158 citations)
- 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. (483 citations)
- 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. (910 citations)
- 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. (826 citations)
- 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. (495 citations)
- 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. (644 citations)
- W.M.P. van der Aalst and K.M. van Hee. *Workflow Management: Models, Methods, and Systems*. MIT press, Cambridge, MA, 2002. (2957 citations)

- 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. (3622 citations)

Education

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

- Introduction to Data Science
- Business Process Intelligence
- Advanced Process Mining
- Business Information Systems
- Business Process Management Systems
- Systems engineering 1
- Systems engineering 2
- Process modeling
- Business Process Management
- Specification of information systems
- Evaluation of process standards, languages and systems
- Workflow Management
- Simulation
- Workflow management

He also developed the Coursera *Massive Open Online Course* (MOOC) "Process Mining: Data science in Action" (see <https://www.coursera.org/learn/process-mining>). Over 120,000 participants joined this course.

Keynotes and Invited Talks (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-EISA 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 18th International Conference on Enterprise Information Systems (ICEIS 2016), Rome, April 27th, 2016.
- 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.

Organization conferences, workshops, special issues, and summer schools

Wil van der Aalst served on over 190 program committees. Moreover, he organized the following events as a program chair or organizing chair:

- Petri Nets in System Engineering (PNSE'97), Hamburg, Germany, September 1997, (with J-M. Colom, F. Kordon, G. Kotsis, and D. Moldt)
- Workflow Management: Net-based Concepts, Models, Techniques, and Tools (WFM'98), Lisbon, Portugal, June 1998. (with G. De Michelis en C.A. Ellis.)
- Systems Engineering: A Petri-net-based Approach to Modelling, Verification and Implementation, September 1998, Zaragoza, Spain. (with C. Girault, R. Valk, et al.)
- Software Architectures for Business Process Management (SABPM'99), Heidelberg, Germany, June 1999. (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 and 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).
- 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).
- 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).
- 6th International Conference on Analysis of Images, Social Networks, and Texts (AIST 2018), Moscow, Russia, July 2018.
- General chair of the 40th International Conference on Applications and Theory of Petri Nets and Concurrency, Aachen, Germany, June 23-28, 2019.
- Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED 2019), Aachen, Germany, June 2019 (with Josep Carmona and Robin Bergenthum).
- General chair of the 19th International Conference on Application of Concurrency to System Design, Aachen, Germany, June 23-28, 2019.
- General chair of the first International Conference on Process Mining, Aachen, Germany, June 24-26, 2019.
- International Conference on Fundamental Approaches to Software Engineering (FASE 2019), Prague, Czech Republic, April 2019 (with Reiner Hähnle).

For more information about the work of Wil van der Aalst visit: www.processmining.org, www.workflowpatterns.com, www.yawl-system.com, and www.vvdaalst.com.

See <http://www.vdaalst.com> for a full overview of activities and publications.