

Curriculum Vitae et Studiorum

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Education

- 2009–2013 **Ph.D. in Computer Science and Engineering**
at Sapienza, University of Rome, Italy. *With honourable mention.*
- 2005–2008 **Master of Science in Computer Science and Engineering**
at Sapienza, University of Rome, Italy. Avg. exam grade: 28.9/30. Final grade: 110/110 *cum laude.*
- 2001–2005 **Bachelor of Science in Computer Science and Engineering**
at Sapienza, University of Rome, Italy. Avg. exam grade: 29.3/30. Final grade: 110/110 *cum laude.*

Qualifications

- 29/04/2021 Italian Scientific **Habilitation** as **Associate Professor of Computer Science** (01/B1).
- 06/05/2019 Italian Scientific **Habilitation** as **Associate Professor of Information Proc. Systems** (09/H1).
- 15/06/2011 Italian **Professional Qualification** as **Information Engineer**.

Professional Experience

- 2019– *Assistant professor* Department of Computer Science, Sapienza University of Rome, Italy.
- 2015–2019 *Assistant professor* Institute for Information Business,
Vienna University of Economics and Business (WU Vienna), Austria.
- 2013–2015 *Postdoctoral researcher* Institute for Information Business, WU Vienna, Austria.
- 2009–2013 *Ph.D. candidate* Department of Computer, Control, and Management Engineering,
Sapienza University of Rome, Italy.
- 2009–2012 *R&D engineer* EXALTECH S.r.l. (IT and software development company),
Latina, Italy.
- 2008–2009 *Research technician* Department of Computer, Control, and Management Engineering,
Sapienza University of Rome, Italy.
- 2005–2008 *Student assistant* Department of Computer, Control, and Management Engineering,
Sapienza University of Rome, Italy.

Honours and Awards

- 02/09/2015 Corresponding author of the **Best Paper Award** winning paper at the 13th *international conference on Business Process Management* (BPM 2015, 📄 GGS A) [70].
- 28/01/2016 Co-author of the **Best Presentation Award** winning paper at the 8th *Central European Workshop on Services and their Composition* (ZEUS 2016) [60].
- 01/08/2018 **Researcher of the Month** of the Vienna University of Economics and Business (WU Vienna), Austria. Official video at 🎥 youtube.com/watch?v=WJcaAw5AuUY.
- 15/04/2019 Co-author of the **Best User Paper Award** winning paper at the 41st *European Conference on Information Retrieval* (ECIR 2019, 📄 GGS A) [38].
- 2016–2019 Awarded with the annual **research performance prizes** from the Vienna University of Economics and Business (WU Vienna) in the years 2016 (1), 2017 (1), 2018 (3), and 2019 (3).

Invited Talks

- 12/10/2021 “*Blockchain: applications and research directions*” at the DESTINI H2020 EU project hosted by the Cyprus University of Technology, Limassol, Cyprus.
- 09/09/2021 “*Panel: Is process technology ready for rare events?*” in the role of the moderator at the 19th Int. Conference on Business Process Management (BPM 2021), Rome, Italy.
- 03/03/2021 “*Blockchain and smart contracts: infrastructure and platforms*” at the Cyber 4.0 Seminar hosted by the Cyber 4.0 Cybersecurity Competence Center, Rome, Italy.
- 11/11/2020 “*Mining process rules from email*” at the Automation, Control, and Analysis of Knowledge-intensive Processes Workshop, hosted by the IBM CASCON x EVOKE conference, Toronto, Canada.
- 08/10/2020 “*The Process and the Blockchain: A Story of Miners*” at the WU Vienna, Austria.
- 19/02/2020 “*Towards a Process-oriented Analysis of Blockchain Data*” [28] at the 1st Int. Workshop on Conceptual Modeling for Distributed Ledger Technologies (MOD-DLT), co-located with Modellierung, Vienna, Austria, 19 February 2020.
- 19/07/2019 “*The Process and the Blockchain: A Story of Miners*” at the Sapienza University of Rome, Italy.
- 03/07/2019 “*Tracking Workflows on the Blockchain*” at the “Blockchain: Applications and Security” Cyber Security Summer School 2019, Voore, Estonia.
- 27/05/2019 “*Declarative Specification of Processes: Discovery and Reasoning*” at the Sapienza University of Rome, Italy.
- 15/04/2019 “*Declarative Specification of Processes: Discovery and Reasoning*” at the Utrecht University, The Netherlands.
- 12/04/2019 “*Declarative Specification of Processes: Discovery and Reasoning*” at the Eindhoven University of Technology, The Netherlands.
- 19/12/2018 “*An Introduction to Process Mining*” at the Technical University of Vienna (TU Wien), Austria.
- 13/11/2018 “*How to Execute Business Processes on the Blockchain*” at the Process Management Summit of the Gesellschaft für Prozessmanagement, Vienna, Austria, 13 November 2018.
- 09/11/2018 “*Data Science × Business Process Management = Process Mining*” at the 16th PQM Dialog (“Process Mining – Reale Prozesse im Fokus”), FH Kufstein, Austria, 9 November 2018.
- 04/10/2018 “*Declarative Business Processes: Discovery and Reasoning*” at the Seminars of the University of Wollongong, NSW, Australia, 4 October 2018.
- 25/09/2018 “*Declarative Business Processes: Discovery and Reasoning*” at the CIS Seminars of the University of Melbourne, VIC, Australia, 25 September 2018.
- 14/08/2018 “*Tracking Business Processes on the Blockchain*” at Dagstuhl Seminar 18332 (“Blockchain Technology for Collaborative Information Systems”), Schloss Dagstuhl, Germany, 12–17 August 2018.
- 08/02/2018 “*Paradigm-independence of metrics*” at the Brainstorm Seminar Conformance Checking Metrics, Maasmechelen, Belgium, 8 February 2018.
- 14/03/2018 “*Data Science + BPM*” at the Data Science Society Kick-off event, Vienna, Austria, 14 March 2018.
- 17/11/2017 “*The Application of Process Analytics in the field of Smart Logistics: Examples from Airfreight and Road Transportation*” at the University of Edinburgh, United Kingdom.
- 06/03/2017 “*The Application of Process Analytics in the field of Smart Logistics: Examples from Airfreight and Road Transportation*” at CSIRO/Data61, Sydney, Australia.
- 07/12/2016 “*Automated Discovery of Declarative Process Models*” at the Humboldt University of Berlin, Germany.
- 13/09/2016 “*Introduction to Process Mining*” at the Federal University of the State of Rio de Janeiro, Brazil.
- 25/08/2016 “*Predictive task monitoring: Processing flight events to foresee diversions*” at Dagstuhl Seminar 16341 (“Integrating Process-Oriented and Event-Based Systems”), Schloss Dagstuhl, Germany, 21–26 August 2016.
- 22/09/2015 “*The Automated Discovery of Declarative Processes*” at the Workshop on the Presence and Future of Process Mining, Bratislava, Slovak Republic, 22-23 September 2015.
- 15/09/2014 “*Automated Control-Flow Discovery of Declarative Processes*” at the Hasso-Plattner Institute, University of Potsdam, Germany.
- 12/12/2013 “*Automated Control-Flow Discovery of Declarative Process Models*” at the Eindhoven University of Technology, The Netherlands.
- 09/12/2013 “*Flight Diversion Prediction based on Event Data*” at the Eindhoven University of Technology, The Netherlands.




Presentations at Conferences and Workshops

- 08/09/2021 “*RuM: Declarative Process Mining, Distilled*” [25], tutorial at the 19th Int. Conference on Business Process Management (BPM), Rome, Italy, 2021, 6-10 September 2021.
- 02/09/2019 “*Extracting Event Logs for Process Mining from Data Stored on the Blockchain*” [44] at the 2nd Int. Workshop on Security and Privacy-enhanced Business Process Management (SPBP 2019), co-located with BPM, Vienna, Austria, 2 September 2019.
- 01/07/2018 “*Blockchain-Based Traceability of Inter-organisational Business Processes*” [48] at the 8th Int. Symposium on Business Modeling and Software Design (BMSD 2018), Vienna, Austria, 2-4 July 2018.
- 13/06/2017 “*Resolving Inconsistencies and Redundancies in Declarative Process Models*” [14] at the 8th Int. Workshop on Enterprise Modeling and Information Systems Architectures (EMISA 2017), Essen, Germany, 12-13 June 2017.
- 03/10/2016 “*Detecting Flight Trajectory Anomalies and Predicting Diversions in Freight Transportation*” [15] at the 7th International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA 2016), Vienna, Austria, 3-5 October 2016
- 20/09/2016 “*Semantical Vacuity Detection in Declarative Process Mining*” [62] at the 14th Int. Conference on Business Process Management (BPM 2016), Rio de Janeiro, Brazil, 18-22 September 2016.
- 19/09/2016 “*Model Checking of Mixed-Paradigm Process Models in a Discovery Context - Finding the Fit Between Declarative and Procedural*” [51] at the 12th Int. Workshop on Business Process Intelligence (BPI 2016), Rio de Janeiro, Brazil, 19 September 2016.
- 01/09/2015 “*Ensuring Model Consistency in Declarative Process Discovery*” [70] ★ **Best Paper Award of the 13th Int. Conference on Business Process Management (BPM 2015)**, Innsbruck, Austria, 31 August - 3 September 2015.
- 29/10/2014 “*Log-Based Understanding of Business Processes through Temporal Logic Query Checking*” [78] at the 22nd Int. Conference on Cooperative Information Systems (CoopIS 2014), Amantea, Italy, 27-31 October 2014.
- 10/09/2014 “*Discovering Target-Branched Declare Constraints*” [76] at the 12th Int. Conference on Business Process Management (BPM 2014), Eindhoven, The Netherlands, 7-11 September 2014.
- 08/09/2014 “*Predictive Task Monitoring for Business Processes*” [75] at the 12th Int. Conference on Business Process Management (BPM 2014), Eindhoven, The Netherlands, 7-11 September 2014.
- 30/08/2013 “*Studies on the Discovery of Declarative Control Flows from Error-prone Data*” [80] at the 3rd Int. Symposium on Data-driven Process Discovery and Analysis (SIMPDA 2013), Riva del Garda, Italy, 30 August 2013.
- 17/04/2013 “*A Two-Step Fast Algorithm for the Automated Discovery of Declarative Workflows*” [79] at the IEEE Symposium on Computational Intelligence and Data Mining (CIDM 2013), Singapore, 16-19 April 2013.
- 14/09/2012 “*Goal-based Composition of Stateful Services for Smart Homes*” [82] at the 20th Int. Conference on Cooperative Information Systems (CoopIS 2012), Rome, Italy, 10-14 September 2012.
- 15/06/2012 “*Knowledge-intensive Processes: An Overview of Contemporary Approaches*” [83] at the 1st Int. Workshop on Knowledge-intensive Business Processes (KiBP 2012), Rome, Italy, 15 June 2012.
- 22/05/2012 “*Mining Constraints for Artful Processes*” [84] at the 15th Int. Conference on Business Information Systems (BIS 2012), Vilnius, Lithuania, May 21-23 2012.
- 25/11/2011 “*Representing and Visualizing Mined Artful Processes in MailOfMine*” [87] at the 7th Conference of the Workgroup Human-Computer Interaction and Usability Engineering of the Austrian Computer Society (USAB 2011), Graz, Austria, 25-26 November 2011.
- 30/05/2011 “*MailOfMine – Analyzing Mail Messages for Mining Artful Collaborative Processes*” [89] at the 1st Int. Symposium on Data-Driven Process Discovery and Analysis (SIMPDA 2011), Campione d’Italia, Italy, June 29 - July 1st 2011.
- 24/03/2011 “*Service Composition and Advanced User Interfaces in the Home of Tomorrow: the SM4All Approach*” [86] at the 2nd Int. ICST Conference on Ambient Media and Systems (AMBI-SYS 2011), Porto, Portugal, March 24-25 2011.

Program Committees and Referrals

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| 2022 | <i>PC Chair</i> | Int. Conference on Business Process Management (BPM, GGS A) |
| 2021 | <i>PC Chair</i> | Int. Conference on Process Mining (ICPM) 🌐 icpmconference.org/2021 |
| 2021 | <i>Track Chair</i> | Int. Conference on Business Process Management (BPM, GGS A), Tutorials & Panels Track 🌐 bpm2021.diag.uniroma1.it/call-for-tutorials/ |

2021	<i>Guest Editor</i>	Special Issue of the Journal on Data Semantics (SJR Q2) on Process Querying and Declarative, Decision and Hybrid Approaches to Processes doi.org/10.1007/s13740-021-00130-1
2020	<i>Track Chair</i>	Int. Conference on Business Process Management (BPM, GGS A), Demos & Resources Track congreso.us.es/bpm2020/calls/demos
2020	<i>Track Chair</i>	Doctoral Consortium of the Int. Conference on Process Mining (ICPM) icpmconference.org/2020/doctoral-consortium
2019	<i>Proceedings Chair</i>	Int. Conference on Business Process Management (BPM, GGS A) bpm2019.ai.wu.ac.at
2019	<i>PC Chair</i>	Blockchain Forum at the Int. Conference on Business Process Management (BPM, GGS A) https://bpm2019.ai.wu.ac.at/call-for-blockchain-forum/
2018–	<i>Organiser</i>	Int. Workshop on Process Querying (PQ), co-located with the Int. Conference on Business Process Management (BPM, GGS A) processquerying.com/pq2019
2016–	<i>Organiser</i>	Int. Workshop on Declarative, Decision, and Hybrid approaches to processes (DEC2H), co-located with the Int. Conference on Business Process Management (BPM, GGS A) dec2h-2020.di.uniroma1.it
2015–2016	<i>Organiser</i>	Int. Workshop on the Role of Real-World Objects in Business Process Management Systems (RW-BPMS), co-located with the Int. Conference on Advanced Information Systems Engineering (CAiSE 2105, GGS A) and the IEEE International Enterprise Distributed Object Computing Conference (EDOC, GGS B), ai.wu.ac.at/rw-bpms2016

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- PC member* *Conferences* • Int. Conference on Business Process Management (BPM,  GGS A) 2018, 2019, 2020; Senior PC member in 2021 • Int. Joint Conference on Artificial Intelligence (IJCAI,  GGS A++) 2015, 2021 • Int. Conference on Advanced Information Systems Engineering (CAiSE,  GGS A) 2019, 2020, 2021 • Int. Enterprise Computing Conference (EDOC,  GGS B) 2020, 2021 • Int. Conference on Process Mining (ICPM) 2019, 2020 • Int. Working Conference on Business Process Modeling, Development, and Support (BPMDS) 2020, 2021 • Int. Conference on Software and System Processes (ICSSP) 2017, 2018, 2019, 2020, 2021 • Int. Conference of the Italian Association for Artificial Intelligence (AI*IA) 2018, 2019, 2020, 2021 • Wirtschaftsinformatik (WI) 2020, 2021 (Associate Editor of the BPM track) • Int. working conference on Exploring Modeling Methods for Systems Analysis and Development (EMMSAD) 2018, 2019 • Int. Conference on Subject-Oriented Business Process Management (S-BPM ONE) 2015, 2016, 2017, 2018 • Int. Conference on Business Informatics (CBI) 2016 • Int. Conference on Information Quality (ICIQ) 2012
- Symposia* • Blockchain Forum at the Int. Conference on Business Process Management (BPM Blockchain Forum) 2020, 2021 • Int. Symposium on Business Modeling and Software Design (BMSD) 2018 • Int. Symposium on Data-driven Process Discovery and Analysis (SIMPDA) 2015, 2016, 2017 • Special Session on Process Mining at the IEEE Symposium Series on Computational Intelligence (CIDM) 2013, 2014 • Special Session on Process Mining at the World Congress on Computational Intelligence (WCCI) 2014
- Workshops* • Int. Workshop on Business Process Intelligence (BPI) 2017, 2018, 2019, 2020, 2021 • Int. Workshop on Artificial Intelligence for Business Process Management (AI4BPM) 2018, 2019, 2020, 2021 • Int. Workshop on Process-oriented Data Science for Healthcare (PODS4H) 2020, 2021 • Int. Workshop on Process-oriented Data Science for Healthcare (PODS4H) 2020, 2021 • Int. Workshop on Event Based Data Analysis (EbdA) 2020, 2021 • Int. Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED) 2016, 2017, 2018, 2019, 2020 • Int. Workshop on Blockchain Technologies for Multi-Agent Systems (BCT4MAS) 2019 • Int. Workshop on Flexible Advanced Information Systems (FAiSE) 2019 • Int. Workshop on Blockchains for Inter-Organizational Collaboration (BIOC) 2019 • Int. Workshop on Security and Privacy-enhanced Business Process Management (SPBP) 2019, 2020 • Int. Workshop on Business Data Analytics (BDA) 2018 • Central-European Workshop on Services and their Composition (ZEUS) 2016, 2017 • Int. Workshop on Process Querying (PQ) 2016, 2017 • Int. Workshop on Business Process Innovation with Artificial Intelligence (BPAI) 2017 • Int. Workshop on Cognitive Business Process Management (CBPM) 2017 • Int. Workshop on Resource Management in Business Processes (ReMa) 2016 • Int. Workshop on Performance and Conformance of Workflow Engines (PEACE) 2016 • Int. Workshop on Resource Management in Service-Oriented Computing (RMSOC 2014) • Int. Workshop on Artificial Intelligence meets Business Processes and Services (AIBPS) 2014 • Int. Workshop on Knowledge-intensive Business Processes (KiBP) 2012, 2013
- Consortia* • Jury of the Demo Track the Int. Conference on Business Process Management (BPM Demos) 2018, 2019, 2020 • Jury of the Doctoral Consortium and of the Demo Track of the Int. Conference on Process Mining (ICPM DC, ICPM Demos) 2019, 2020 • Jury of the Business Process Intelligence Challenge (BPIC) 2014, 2015, 2016, 2017, 2018, 2019, 2020.

<i>Reviewer</i>	<i>Journals</i>	<ul style="list-style-type: none"> • Information Systems (SJR Q1) • Decision Support Systems (SJR Q1) • ACM Trans. on Software Engineering and Methodology (TOSEM, SJR Q1) • IEEE Trans. on Software Engineering (SJR Q1) • ACM Trans. on Internet Technology (TOIT, SJR Q1) • IEEE Trans. on Services Computing (TSC, SJR Q1) • Information Sciences (SJR Q1) • Business & Information Systems Engineering (BISE, SJR Q1) • J. Network and Computer Applications (SJR Q1) • Artificial Intelligence in Medicine (SJR Q1) • Computers in Industry (SJR Q1) • Automation in Construction (SJR Q1) • Software and Systems Modeling (SJR Q2) • Formal Aspects of Computing (SJR Q2) • IEEE Internet Computing (SJR Q2) • Data and Knowledge Engineering (SJR Q2) • Journal of Systems and Software (SJR Q2) • Journal on Data Semantics (SJR Q2) • Service Oriented Computing and Applications (SJR Q2) • International Journal of Cooperative Information Systems (SJR Q3) • Revista de Informática Teórica e Aplicada • Ledger • SN Computer Science • Computing • Transactions on Petri Nets and Other Models of Concurrency • ICST Trans. Ambient Systems.
<i>Board</i>		<p>Member of the <i>Editorial Review Board</i> of the Special Issue on Conformance Checking of Information Systems (SJR Q1).</p> <p>Member of the <i>Editorial Review Board</i> of the Special Issue on Special Issue on Process Mining at the Enterprise Level of Business & Information Systems Engineering (BISE, SJR Q1).</p> <p><i>Associate Editor</i> of the Special Issue on Blockchain Technologies in Enterprise Modeling and Enterprise Information Systems of the Enterprise Modelling and Information Systems Architectures journal (EMISAJ).</p>

Memberships

2019–	Member of the Steering Committee of the IEEE CIS Task Force on Process Mining www.tf-pm.org
2022–2024	Member of the Program Committee Board of IJCAI ijcai.org
2017–2019	Member of the Research Institute for Cryptoeconomics of the Vienna University of Economics and Business (WU Vienna) wu.ac.at/cryptoeconomics
2015–	Member of the IEEE CIS Task Force on Process Mining www.tf-pm.org
2013–2016	Member of the W3C RDF Stream Processing Community Group w3.org/community/rsp
2018–	Professional Member of the Association for Computing Machinery (ACM)

National and International Projects

2019	<i>Research partner</i>	Austrian Research Promotion Agency (FFG) Competence Centers for Excellent Technologies (COMET) “ <i>Austrian Blockchain Center (ABC)</i> ”, Area 2 (Cryptoeconomic Modelling & Blockchain Applications for Business), with WU Vienna, Austria. blockchain-center.at
2017–2019	<i>Research staff member</i> <i>Work Package leader</i>	Austrian Research Promotion Agency (FFG) research project “ <i>Cyber-Physical Social Systems for City-wide Infrastructures</i> ” (CitySPIN), grant number 861213, with WU Vienna, Austria. cityspin.net Lead of Work Package 5 (“ <i>Process Mining and Monitoring on Linked Data</i> ”).
2015–2019	<i>Research staff member</i> <i>Work Package leader</i>	EU H2020 Marie Skłodowska-Curie research project “ <i>Propelling Business Process Management by Research and Innovation Staff Exchange</i> ” (RISE_BPM), grant number 645751, with WU Vienna, Austria. www.rise-bpm.eu Lead of Work Package 8 (“ <i>Synthesis of IT artifacts: BPM implementation</i> ”).
2018–	<i>Referee</i>	Register of Scientific Experts (REPRISE), Fundamental Research section, set up at the Italian Ministry of Education, University and Research
2018	<i>Referee</i>	The Netherlands’ research council for the Engineering and Applied Sciences (NWO/TTW)
2017	<i>Referee</i>	Italian Research Projects of National Relevance (PRIN)
2017–2018	<i>Research staff member</i>	Austrian Research Promotion Agency (FFG) research project “ <i>Business Process Optimization Toolkit</i> ”, grant number 862950, with WU Vienna, Austria.

2014–2017	<i>Research staff member</i>	Austrian Research Promotion Agency (FFG) research project “ <i>Safety-critical Human- and dAta-centric Process management in Engineering projects</i> ” (SHAPE), grant number 861213, with WU Vienna, Austria. ai.wu.ac.at/shape-project
2013–2015	<i>Research staff member</i>	EU FP7-ICT research project “ <i>European Wide Service Platform for Green European Transportation</i> ” (GET Service), grant number 318275, with WU Vienna, Austria. cordis.europa.eu/project/id/318275
2008–2011	<i>Research staff member</i>	EU FP7-ICT research project “ <i>Smart Homes for All</i> ” (SM4All), grant number 224332, with Sapienza University of Rome, Italy. sm4all-project.eu
2007–2008	<i>Research assistant</i>	“ <i>Re-engineered Province Bureaus [Uffici Provinciali Reingegnerizzati]</i> ” (UPR), research project funded by the Italian local authorities of Regione Lazio in collaboration with the Province of Latina (SM4All), with Sapienza University of Rome, Italy.
2006–2007	<i>Research technician</i>	EU FP6 “ <i>DELOS Network of Excellence on Digital Libraries</i> ”, with Sapienza University of Rome, Italy. delosw.isti.cnr.it

National and International Appointments

04/2020	<i>Lecturer</i>	“ <i>Process Mining</i> ” PhD Course, University of Calabria, Rende, Italy
07/2019	<i>Lecturer</i>	“ <i>Blockchain: Applications and Security</i> ” Cyber Security PhD Summer School 2019, Voore, Estonia
02–06/2019	<i>Academic director</i> <i>Lecturer</i>	“ <i>Blockchain – Transforming Business</i> ” course of the WU Executive Academy programme, Vienna, Austria
08–10/2018	<i>Visiting researcher</i>	School of Computing and Information Systems at the University of Melbourne, VIC, Australia
10/17–02/2019	<i>Lecturer</i>	“ <i>Data Science</i> ” course of the WU Executive Academy programme, Vienna, Austria
01–03/2017	<i>Visiting researcher</i>	Information Systems School, Science and Engineering Faculty at the Queensland University of Technology, Brisbane, QLD, Australia
08–09/2016	<i>Visiting researcher</i>	Applied Informatics Department at the Federal University of the State of Rio de Janeiro, Brazil
10/2014	<i>Guest lecturer</i>	“ <i>Process Analysis and Mining</i> ” course at Faculty of Economics of the University of Ljubljana, Slovenia
09/2012	<i>Guest lecturer</i>	School on Complex Software Systems Design for CINI-Finmeccanica, Rome, Italy

Technological Transfer and Entrepreneurship

02/2009	Co-founder and R&D of EXALTECH S.r.l., Software and IT company, Italy
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Teaching Experience

10/20–	<i>Lecturer</i>	“ <i>Blockchain Technologies</i> ” at Sapienza University of Rome	(M.Sc., 6 ECTS)
10/20–09/21	<i>Lecturer</i>	“ <i>Programming</i> ” at Sapienza University of Rome	(B.Sc., 6 ECTS)
10/20–09/21	<i>Lecturer</i>	“ <i>Business Intelligence</i> ” at Sapienza University of Rome	(M.Sc., 3 ECTS)
02/20–03/2021	<i>Lecturer</i>	“ <i>Computer Architectures</i> ” at Sapienza University of Rome	(B.Sc., 6 ECTS)
02/20–03/2021	<i>Lecturer</i>	“ <i>Algorithm Design (Lab.)</i> ” at Sapienza University of Rome	(B.Sc., 3 ECTS)
02/19–09/2020	<i>Lecturer</i>	“ <i>Business Process Management</i> ” at WU Vienna	(M.Sc., 4 ECTS)
10/19–11/2019	<i>Lecturer</i>	“ <i>Applications of Data Science</i> ” at WU Vienna	(B.Sc., 4 ECTS)
10/18–11/2019	<i>Lecturer</i>	“ <i>Formal Foundations of Biz. Process Modelling</i> ” at WU Vienna	(M.Sc., 4 ECTS)
02/19–09/2019	<i>Lecturer</i>	“ <i>Seminars in Blockchains and Processes</i> ” at WU Vienna	(B.Sc., 4 ECTS)
10/17–01/2019	<i>Lecturer</i>	“ <i>Process Implementation</i> ” at WU Vienna	(B.Sc., 4 ECTS)
02/18–09/2018	<i>Lecturer</i>	“ <i>Blockchain Applications of Data Science</i> ” at WU Vienna	(B.Sc., 4 ECTS)
10/17–01/2018	<i>Lecturer</i>	“ <i>Business Process Analytics</i> ” at WU Vienna	(M.Sc., 4 ECTS)
02/16–09/2017	<i>Lecturer</i>	“ <i>Formal Foundations of System Analysis</i> ” at WU Vienna	(B.Sc., 4 ECTS)

10/14–01/2016	<i>Lecturer</i>	“ <i>Process-oriented Systems Analysis</i> ” at WU Vienna	(B.Sc., 4 ECTS)
02/09–09/2013	<i>Tutor</i>	“ <i>Service-Oriented Architectures</i> ” at Sapienza University of Rome	(M.Sc., 6 ECTS)
02/09–09/2013	<i>Tutor</i>	“ <i>Seminars in Software and Services</i> ” at Sapienza University of Rome	(M.Sc., 1 ECTS)
02/05–09/2008	<i>Tutor</i>	“ <i>Software Design</i> ” at Sapienza University of Rome	(B.Sc., 5 ECTS)

Supervision

<i>Co-advisor</i>	4 Ph.D. students at WU Vienna, Austria. Published papers co-authored with the Ph.D. students: [3, 8, 15, 33, 36, 46, 39, 42, 43, 45, 47, 73, 74, 77].
<i>Co-supervisor</i>	5 theses for the Master of Science in Information Systems at WU Vienna, Austria, 3 theses for the Master of Science in Computer Science and Engineering at the Sapienza University of Rome, Italy. Published papers co-authored with the students: [22, 31, 34, 30, 44, 48, 81, 86].
<i>Supervisor</i>	13 theses for the Bachelor of Science in Information Business at WU Vienna, Austria, 1 thesis for the Master of Science in Economics and communication for management and innovation and 6 theses for the Bachelor of Science in Computer Science at the Sapienza University of Rome, Italy. Published papers co-authored with the students: [17, 24, 60, 64].
<i>Examiner</i>	1 Ph.D. defense in Computer Science at the University of Copenhagen, Denmark; 2 theses for the Master of Science in Computer Science at the Sapienza University of Rome, Italy; 1 thesis for the Master of Science in Computer Science at the University of Padua, Italy.

Languages

<i>Italian</i>	Mother tongue
<i>English</i>	C1/2 (Cambridge Certificate in Advanced English, 2013)
<i>German</i>	B1/2

Computing Languages

<i>Stand-alone</i>	Java SE, Python, Bash, Solidity, R, C
<i>Web</i>	PHP, JavaScript, Java EE, JSP
<i>Querying</i>	SQL, XPath, XQuery
<i>Mark-up</i>	L ^A T _E X, XML, HTML, CSS, XSLT

Publication Metrics

H-index	25 (Google Scholar)	18 (Scopus)	AW-index	25.14 (Google Scholar)	17.29 (Scopus)
Citations	2188 (Google Scholar)	1222 (Scopus)	Avg. citations	23.78 (Google Scholar)	14.38 (Scopus)
i10-index	48 (Google Scholar)	32 (Scopus)	M-index	2.08 (Google Scholar)	1.50 (Scopus)

Latest update: 02/07/2021.

Scholar Profiles
























Google Scholar	 OBwQoWsAAAAJ	ORCiD	 0000-0001-5570-0475
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DBLP	 18/10493	Semantic Scholar	 3027667









Twelve Selected Publications

- Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Jan Mendling. “Resolving inconsistencies and redundancies in declarative process models”. In: *Information Systems* (2017), pp. 425–446. DOI: 10.1016/j.is.2016.09.005  SJR Q1  JCR I.F 2.551 [14].
- Claudio Di Ciccio and Massimo Mecella. “On the Discovery of Declarative Control Flows for Artful Processes”. In: *ACM Trans. Manage. Inf. Syst.* 4 (2015), 24:1–24:37. DOI: 10.1145/2629447  SJR Q1 [20].
- Claudio Di Ciccio, Fabrizio Maria Maggi, and Jan Mendling. “Efficient discovery of Target-Branched Declare constraints”. In: *Information Systems* (2016), pp. 258–283. DOI: 10.1016/j.is.2015.06.009  SJR Q1  JCR I.F 2.777 [16].
- Claudio Di Ciccio, Han van der Aa, Cristina Cabanillas, Jan Mendling, and Johannes Prescher. “Detecting flight trajectory anomalies and predicting diversions in freight transportation”. In: *Decision Support Systems* (2016), pp. 1–17. DOI: 10.1016/j.dss.2016.05.004  SJR Q1  JCR I.F 3.222 [15].
- Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Jan Mendling. “On the Relevance of a Business Constraint to an Event Log”. In: *Information Systems* (2018), pp. 144–161. DOI: 10.1016/j.is.2018.01.011  SJR Q1  JCR I.F 2.066 [13].
- Thomas Baier, Claudio Di Ciccio, Jan Mendling, and Mathias Weske. “Matching events and activities by integrating behavioral aspects and label analysis”. In: *Software & Systems Modeling* 2 (2018), pp. 573–598. DOI: 10.1007/s10270-017-0603-z  SJR Q2  JCR I.F 2.660 [10].
- Claudio Di Ciccio, Andrea Marrella, and Alessandro Russo. “Knowledge-intensive Processes: Characteristics, Requirements and Analysis of Contemporary Approaches”. In: *J. Data Semantics* 1 (2015), pp. 29–57. DOI: 10.1007/s13740-014-0038-4  SJR Q2 [19].
- Suhrid Satyal, Ingo Weber, Hye-young Paik, Claudio Di Ciccio, and Jan Mendling. “Business process improvement with the AB-BPM methodology”. In: *Information Systems* (2019), pp. 283–298. DOI: 10.1016/j.is.2018.06.007  SJR Q1  JCR I.F 2.466 [7].
- Jan Mendling, Ingo Weber, Wil Van Der Aalst, Jan Vom Brocke, Cristina Cabanillas, Florian Daniel, Søren Debois, Claudio Di Ciccio, Marlon Dumas, Schahram Dustdar, Avigdor Gal, Luciano García-Bañuelos, Guido Governatori, Richard Hull, Marcello La Rosa, Henrik Leopold, Frank Leymann, Jan Recker, Manfred Reichert, Hajo A. Reijers, Stefanie Rinderle-Ma, Andreas Solti, Michael Rosemann, Stefan Schulte, Mumindar P. Singh, Tijs Slaats, Mark Staples, Barbara Weber, Matthias Weidlich, Mathias Weske, Xiwei Xu, and Liming Zhu. “Blockchains for Business Process Management - Challenges and Opportunities”. In: *ACM Trans. Manage. Inf. Syst.* 1 (2018), 4:1–4:16. DOI: 10.1145/3183367  SJR Q1 [12].
- Fabrizio Maria Maggi, Claudio Di Ciccio, Chiara Di Francescomarino, and Taavi Kala. “Parallel algorithms for the automated discovery of declarative process models”. In: *Information Systems* (2018), pp. 136–152. DOI: 10.1016/j.is.2017.12.002  SJR Q1  JCR I.F 2.066 [11].
- Claudio Di Ciccio and Massimo Mecella. “Mining Artful Processes from Knowledge Workers’ Emails”. In: *IEEE Internet Computing* 5 (2013), pp. 10–20. DOI: 10.1109/MIC.2013.60  SJR Q1  JCR I.F 2.000 [21].
- Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Jan Mendling. “Ensuring Model Consistency in Declarative Process Discovery”. In: *Business Process Management - 13th International Conference, BPM 2015, Innsbruck, Austria, August 31 - September 3, 2015, Proceedings*. Springer, 2015, pp. 144–159. DOI: 10.1007/978-3-319-23063-4_9  GGS A  CORE A ★ **Best Paper Award of the 13th Int. Conference on Business Process Management (BPM 2015)** [70].

Full List of Publications



Journal Articles











- [1] Daniel Beverungen, Joos C. A. M. Buijs, Jörg Becker, Claudio Di Ciccio, Wil M.P. van der Aalst, Christian Bartelheimer, Jan vom Brocke, Marco Comuzzi, Karsten Kraume, Henrik Leopold, Martin Matzner, Jan Mendling, Nadine Ogonek, Till Post, Manuel Resinas, Kate Revoredo, Adela del-Río-Ortega, Marcello La Rosa, Flávia Maria Santoro, Andreas Solti, Minseok Song, Armin Stein, Matthias Stierle, and Verena Wolf. “Seven Paradoxes of Business Process Management in a Hyper-Connected World”. In: *Business & Information Systems Engineering* 63.2 (2021), pp. 145–156. DOI: 10.1007/s12599-020-00646-z.  SJR Q1.  JCR I.F. 4.532.
- [2] Boudewijn F. van Dongen, Johannes De Smedt, Claudio Di Ciccio, and Jan Mendling. “Conformance checking of mixed-paradigm process models”. In: *Information Systems* (2021). DOI: 10.1016/j.is.2020.101685.  SJR Q2.  JCR I.F. 2.309.
- [3] Anton Yeshchenko, Claudio Di Ciccio, Jan Mendling, and Artem Polyvyanyy. “Visual Drift Detection for Event Sequence Data of Business Processes”. In: *IEEE Transactions on Visualization and Computer Graphics* (2021). DOI: 10.1109/TVCG.2021.3050071.  SJR Q1.  JCR I.F. 4.579.
- [4] Artem Polyvyanyy, Andreas Solti, Matthias Weidlich, Claudio Di Ciccio, and Jan Mendling. “Monotone Precision and Recall Measures for Comparing Executions and Specifications of Dynamic Systems”. In: *ACM Trans. Softw. Eng. Methodol.* 29.3 (2020). DOI: 10.1145/3387909.  SJR Q2.  JCR I.F. 2.674.
- [5] Christian Janiesch, Agnes Koschmider, Massimo Mecella, Barbara Weber, Andrea Burattin, Claudio Di Ciccio, Avigdor Gal, Udo Kannengiesser, Felix Mannhardt, Jan Mendling, Andreas Oberweis, Manfred Reichert, Stefanie Rinderle-Ma, WenZhan Song, Jianwen Su, Victoria Torres, Matthias Weidlich, Mathias Weske, and Liang Zhang. “The Internet-of-Things Meets Business Process Management: Mutual Benefits and Challenges”. In: *IEEE Systems, Man, and Cybernetics Magazine* 6.4 (2020), pp. 34–44. DOI: 10.1109/MSMC.2020.3003135.
- [6] Pnina Soffer, Annika Hinze, Agnes Koschmider, Holger Ziekow, Claudio Di Ciccio, Boris Koldehofe, Oliver Kopp, Arno Jacobsen, Jan Sürmeli, and Wei Song. “From event streams to process models and back: Challenges and opportunities”. In: *Information Systems* 81 (2019), pp. 181–200. DOI: 10.1016/j.is.2017.11.002.  SJR Q1.  JCR I.F. 2.466.
- [7] Suhrid Satyal, Ingo Weber, Hye-young Paik, Claudio Di Ciccio, and Jan Mendling. “Business process improvement with the AB-BPM methodology”. In: *Information Systems* 84 (2019), pp. 283–298. DOI: 10.1016/j.is.2018.06.007.  SJR Q1.  JCR I.F. 2.466.
- [8] Claudio Di Ciccio, Alessio Cecconi, Marlon Dumas, Luciano García-Bañuelos, Orlenys López-Pintado, Qinghua Lu, Jan Mendling, Alexander Ponomarev, An Binh Tran, and Ingo Weber. “Blockchain Support for Collaborative Business Processes”. In: *Informatik Spektrum* 42 (3 2019), pp. 182–190. DOI: 10.1007/s00287-019-01178-x.
- [9] Stefan Schönig, Cristina Cabanillas, Claudio Di Ciccio, Stefan Jablonski, and Jan Mendling. “Mining team compositions for collaborative work in business processes”. In: *Software & Systems Modeling* 17.2 (2018), pp. 675–693. DOI: 10.1007/s10270-016-0567-4.  SJR Q2.  JCR I.F. 2.660.
- [10] Thomas Baier, Claudio Di Ciccio, Jan Mendling, and Mathias Weske. “Matching events and activities by integrating behavioral aspects and label analysis”. In: *Software & Systems Modeling* 17.2 (2018), pp. 573–598. DOI: 10.1007/s10270-017-0603-z.  SJR Q2.  JCR I.F. 2.660.
- [11] Fabrizio Maria Maggi, Claudio Di Ciccio, Chiara Di Francescomarino, and Taavi Kala. “Parallel algorithms for the automated discovery of declarative process models”. In: *Information Systems* 74 (2018), pp. 136–152. DOI: 10.1016/j.is.2017.12.002.  SJR Q1.  JCR I.F. 2.066.
- [12] Jan Mendling, Ingo Weber, Wil Van Der Aalst, Jan Vom Brocke, Cristina Cabanillas, Florian Daniel, Søren Debois, Claudio Di Ciccio, Marlon Dumas, Schahram Dustdar, Avigdor Gal, Luciano García-Bañuelos, Guido Governatori, Richard Hull, Marcello La Rosa, Henrik Leopold, Frank Leymann, Jan Recker, Manfred Reichert, Hajo A. Reijers, Stefanie Rinderle-Ma, Andreas Solti, Michael Rosemann, Stefan Schulte, Munindar P. Singh, Tijs Slaats, Mark Staples, Barbara Weber, Matthias Weidlich, Mathias Weske, Xiwei Xu, and Liming Zhu. “Blockchains for Business Process Management - Challenges and Opportunities”. In: *ACM Trans. Manage. Inf. Syst.* 9.1 (2018), 4:1–4:16. DOI: 10.1145/3183367.  SJR Q1.
- [13] Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Jan Mendling. “On the Relevance of a Business Constraint to an Event Log”. In: *Information Systems* 78 (2018), pp. 144–161. DOI: 10.1016/j.is.2018.01.011.  SJR Q1.  JCR I.F. 2.066.
- [14] Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Jan Mendling. “Resolving inconsistencies and redundancies in declarative process models”. In: *Information Systems* 64 (2017), pp. 425–446. DOI: 10.1016/j.is.2016.09.005.  SJR Q1.  JCR I.F. 2.551.







- [15] Claudio Di Ciccio, Han van der Aa, Cristina Cabanillas, Jan Mendling, and Johannes Prescher. “Detecting flight trajectory anomalies and predicting diversions in freight transportation”. In: *Decision Support Systems* 88 (2016), pp. 1–17. DOI: 10.1016/j.dss.2016.05.004.  SJR Q1.  JCR I.F 3.222.
- [16] Claudio Di Ciccio, Fabrizio Maria Maggi, and Jan Mendling. “Efficient discovery of Target-Branched Declare constraints”. In: *Information Systems* 56 (2016), pp. 258–283. DOI: 10.1016/j.is.2015.06.009.  SJR Q1.  JCR I.F 2.777.
- [17] Michael Hanser, Claudio Di Ciccio, and Jan Mendling. “A New Notational Framework for Declarative Process Modeling”. In: *Softwaretechnik-Trends* 36.2 (2016), pp. 53–56. URL: http://pi.informatik.uni-siegen.de/stt/36_2/03_Technische_Beitraege/ZEUS2016/beitrag_1.pdf.
- [18] Stefan Schönig, Cristina Cabanillas, Claudio Di Ciccio, Stefan Jablonski, and Jan Mendling. “Mining Resource Assignments and Teamwork Compositions from Process Logs”. In: *Softwaretechnik-Trends* 36.4 (2016). URL: http://pi.informatik.uni-siegen.de/stt/36_4/03_Technische_Beitraege/Schoenig_et_al_2016.pdf.
- [19] Claudio Di Ciccio, Andrea Marrella, and Alessandro Russo. “Knowledge-intensive Processes: Characteristics, Requirements and Analysis of Contemporary Approaches”. In: *J. Data Semantics* 4.1 (2015), pp. 29–57. DOI: 10.1007/s13740-014-0038-4.  SJR Q2.
- [20] Claudio Di Ciccio and Massimo Mecella. “On the Discovery of Declarative Control Flows for Artful Processes”. In: *ACM Trans. Manage. Inf. Syst.* 5.4 (2015), 24:1–24:37. DOI: 10.1145/2629447.  SJR Q1.
- [21] Claudio Di Ciccio and Massimo Mecella. “Mining Artful Processes from Knowledge Workers’ Emails”. In: *IEEE Internet Computing* 17.5 (2013), pp. 10–20. DOI: 10.1109/MIC.2013.60.  SJR Q1.  JCR I.F 2.000.
- [22] Claudio Di Ciccio, Massimo Mecella, Mario Caruso, Vincenzo Forte, Ettore Iacomussi, Katharina Rasch, Leonardo Querzoni, Giuseppe Santucci, and Giuseppe Tino. “The Homes of Tomorrow: Service Composition and Advanced User Interfaces”. In: *EAI Endorsed Trans. Ambient Systems* 11.1 (2011), e2. DOI: 10.4108/trans.amsys.2011.e2.









Proceedings Papers









- [23] Alessio Cecconi, Adriano Augusto, and Claudio Di Ciccio. “Detection of Statistically Significant Differences Between Process Variants Through Declarative Rules”. In: *Business Process Management Forum - BPM Forum 2021, Rome, Italy, September 06-10, 2021, Proceedings*. Ed. by Artem Polyvyanyy, Moe Thandar Wynn, Amy Van Looy, and Manfred Reichert. Vol. 427. Lecture Notes in Business Information Processing. Springer, 2021, pp. 73–91. ISBN: 978-3-030-85439-3. DOI: 10.1007/978-3-030-85440-9_5.
- [24] Davide Basile, Valerio Goretti, Claudio Di Ciccio, and Sabrina Kirrane. “Enhancing Blockchain-Based Processes with Decentralized Oracles”. In: *Business Process Management: Blockchain and Robotic Process Automation Forum - BPM 2021 Blockchain and RPA Forum, Rome, Italy, September 6-10, 2021, Proceedings*. Ed. by José González Enríquez, Søren Debois, Peter Fettke, Pierluigi Plebani, Inge van de Weerd, and Ingo Weber. Vol. 428. Lecture Notes in Business Information Processing. Springer, 2021, pp. 102–118. ISBN: 978-3-030-85866-7. DOI: 10.1007/978-3-030-85867-4_8.
- [25] Anti Alman, Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Han van der Aa. “RuM: Declarative Process Mining, Distilled”. In: *Business Process Management - 19th International Conference, BPM 2021, Rome, Italy, September 06-10, 2021, Proceedings*. Ed. by Artem Polyvyanyy, Moe Thandar Wynn, Amy Van Looy, and Manfred Reichert. Vol. 12875. Lecture Notes in Computer Science. Springer, 2021, pp. 23–29. ISBN: 978-3-030-85468-3. DOI: 10.1007/978-3-030-85469-0_3.  GGS A.  CORE A.
- [26] Iris Beerepoot, Claudio Di Ciccio, Hajo A. Reijers, and Stefanie Rinderle-Ma. “The Biggest Business Process Management Problems of Our Time”. In: *Proceedings of the International Workshop on BPM Problems to Solve Before We Die (PROBLEMS 2021) co-located with the 19th International Conference on Business Process Management (BPM 2021), Rome, Italy, September 6-10, 2021*. Ed. by Iris Beerepoot, Claudio Di Ciccio, Andrea Marrella, Hajo A. Reijers, Stefanie Rinderle-Ma, and Barbara Weber. Vol. 2938. CEUR Workshop Proceedings. CEUR-WS.org, 2021, pp. 1–5. URL: <http://ceur-ws.org/Vol-2938/paper-PROBLEMS-01.pdf>.
- [27] Anti Alman, Claudio Di Ciccio, and Fabrizio Maria Maggi. “Rule Mining with RuM (Extended Abstract)”. In: *Proceedings of the 1st Italian Forum on Business Process Management co-located with the 19th International Conference of Business Process Management (BPM 2021), Rome, Italy, September 10th, 2021*. Ed. by Andrea Marrella and Daniele Theseider Dupré. Vol. 2952. CEUR Workshop Proceedings. CEUR-WS.org, 2021, pp. 38–43. URL: http://ceur-ws.org/Vol-2952/paper_296a.pdf.






- [28] Claudio Di Ciccio. “Towards a Process-oriented Analysis of Blockchain Data”. In: *Companion Proceedings of Modellierung 2020 Short, Workshop and Tools & Demo Papers co-located with Modellierung 2020, Vienna, Austria, February 19-21, 2020*. Ed. by Judith Michael, Dominik Bork, Hans-Georg Fill, Peter Fettke, Dimitris Karagiannis, Julius Köpke, Agnes Koschmider, Heinrich C. Mayr, Jana-Rebecca Rehse, Ulrich Reimer, Michael Striewe, Marina Tropmann-Frick, and Meike Ullrich. Vol. 2542. CEUR Workshop Proceedings. CEUR-WS.org, 2020, pp. 42–44. URL: <http://ceur-ws.org/Vol-2542/Mod-DLT1.pdf>.
- [29] Claudio Di Ciccio, Giovanni Meroni, and Pierluigi Plebani. “Business Process Monitoring on Blockchains: Potentials and Challenges”. In: *Enterprise, Business-Process and Information Systems Modeling - 21st International Conference, BPMDS 2020, 25th International Conference, EMMSAD 2020, Held at CAiSE 2020, Grenoble, France, June 8-9, 2020, Proceedings*. Ed. by Selmin Nurcan, Iris Reinhartz-Berger, Pnina Soffer, and Jelena Zdravkovic. Vol. 387. Lecture Notes in Business Information Processing. Springer, 2020, pp. 36–51. ISBN: 978-3-030-49417-9. DOI: 10.1007/978-3-030-49418-6_3.
- [30] Roman Mühlberger, Stefan Bachhofner, Eduardo Castelló Ferrer, Claudio Di Ciccio, Ingo Weber, Maximilian Wöhrer, and Uwe Zdun. “Foundational Oracle Patterns: Connecting Blockchain to the Off-chain World”. In: *Business Process Management: Blockchain and Robotic Process Automation Forum - BPM 2020 Blockchain and RPA Forum, Seville, Spain, September 13-18, 2020, Proceedings*. Ed. by Aleksandre Asatiani, José María García, Nina Helander, Andrés Jiménez Ramírez, Agnes Koschmider, Jan Mendling, Giovanni Meroni, and Hajo Reijers. Lecture Notes in Business Information Processing. Springer, 2020. ISBN: 978-3-030-58778-9. DOI: 10.1007/978-3-030-58779-6_3.
- [31] Anti Alman, Claudio Di Ciccio, Dominik Haas, Fabrizio Maria Maggi, and Alexander Nolte. “Rule Mining with RuM”. In: *2nd International Conference on Process Mining, ICPM 2020, Padua, Italy, October 4-9, 2020*. Ed. by Boudewijn F. van Dongen, Marco Montali, and Moe Thandar Wynn. IEEE, 2020. ISBN: 978-1-7281-9832-3. DOI: 10.1109/ICPM49681.2020.00027.
- [32] Kathrin Figl, Claudio Di Ciccio, and Hajo A. Reijers. “Do declarative process models help to reduce cognitive biases related to business rules?” In: *Conceptual Modeling - 39th International Conference, ER 2019, Vienna, Austria, November 3-6, 2020, Proceedings*. Ed. by Gillian Dobbie, Ulrich Frank, Gerti Kappel, Stephen W. Liddle, and Heinrich C. Mayr. Lecture Notes in Computer Science. Springer, 2020, pp. 119–133. ISBN: 978-3-030-62522-1. DOI: 10.1007/978-3-030-62522-1_9.  GGS B.  CORE A.
- [33] Alessio Cecconi, Giuseppe De Giacomo, Claudio Di Ciccio, and Jan Mendling. “A Temporal Logic-Based Measurement Framework for Process Mining”. In: *2nd International Conference on Process Mining, ICPM 2020, Padua, Italy, October 4-9, 2020*. Ed. by Boudewijn F. van Dongen, Marco Montali, and Moe Thandar Wynn. IEEE, 2020. ISBN: 978-1-7281-9832-3. DOI: 10.1109/ICPM49681.2020.00026.
- [34] Anti Alman, Claudio Di Ciccio, Dominik Haas, Fabrizio Maria Maggi, and Jan Mendling. “Rule Mining in Action: The RuM Toolkit”. In: *Proceedings of the ICPM Doctoral Consortium and Tool Demonstration Track 2020 co-located with the 2nd International Conference on Process Mining (ICPM 2020), Padua, Italy, October 4-9, 2020*. Ed. by Claudio Di Ciccio, Benoît Depaire, Jochen De Weerd, Chiara Di Francescomarino, and Jorge Munoz-Gama. Vol. 2703. CEUR Workshop Proceedings. CEUR-WS.org, 2020, pp. 51–54. URL: <http://ceur-ws.org/Vol-2703/paperTD9.pdf>.
- [35] Artem Polyvyanyy, Hanan Alkhamash, Claudio Di Ciccio, Luciano García-Bañuelos, Anna A. Kalenkova, Sander J.J. Leemans, Jan Mendling, Alistair Moffat, and Matthias Weidlich. “Entropy: A Family of Entropy-Based Conformance Checking Measures for Process Mining”. In: *Proceedings of the ICPM Doctoral Consortium and Tool Demonstration Track 2020 co-located with the 2nd International Conference on Process Mining (ICPM 2020), Padua, Italy, October 4-9, 2020*. Ed. by Claudio Di Ciccio, Benoît Depaire, Jochen De Weerd, Chiara Di Francescomarino, and Jorge Munoz-Gama. Vol. 2703. CEUR Workshop Proceedings. CEUR-WS.org, 2020, pp. 39–42. URL: <http://ceur-ws.org/Vol-2703/paperTD6.pdf>.
- [36] Anton Yeshchenko, Jan Mendling, Claudio Di Ciccio, and Artem Polyvyanyy. “VDD: A Visual Drift Detection System for Process Mining”. In: *Proceedings of the ICPM Doctoral Consortium and Tool Demonstration Track 2020 co-located with the 2nd International Conference on Process Mining (ICPM 2020), Padua, Italy, October 4-9, 2020*. Ed. by Claudio Di Ciccio, Benoît Depaire, Jochen De Weerd, Chiara Di Francescomarino, and Jorge Munoz-Gama. Vol. 2703. CEUR Workshop Proceedings. CEUR-WS.org, 2020, pp. 31–34. URL: <http://ceur-ws.org/Vol-2703/paperTD4.pdf>.
- [37] Sabrina Kirrane and Claudio Di Ciccio. “BlockConfess: Towards an Architecture for Blockchain Constraints and Forensics”. In: *IEEE 2nd International Conference on Blockchain, Blockchain 2020, Rhodes Island, Greece, November 02-06, 2020*. IEEE, 2020, pp. 539–544. ISBN: 978-0-7381-0495-9. DOI: 10.1109/Blockchain50366.2020.00078.



- [38] Svitlana Vakulenko, Kate Revoreda, Claudio Di Ciccio, and Maarten de Rijke. “QRFA: A Data-Driven Model of Information-Seeking Dialogues”. In: *Advances in Information Retrieval - 41st European Conference on Information Retrieval, ECIR 2019, Cologne, Germany, April 14-18, 2019, Proceedings, Part I*. Ed. by Leif Azzopardi, Benno Stein, Norbert Fuhr, Philipp Mayr, Claudia Hauff, and Djoerd Hiemstra. Vol. 11437. Lecture Notes in Computer Science. Springer, 2019, pp. 541–557. ISBN: 978-3-030-15711-1. DOI: 10.1007/978-3-030-15712-8_35.  GGS A.  CORE A. ★ **Best User Paper Award of the 41st European Conference on Information Retrieval (ECIR 2019)**.
- [39] Claudio Di Ciccio, Fajar J. Ekaputra, Alessio Cecconi, Andreas Ekelhart, and Elmar Kiesling. “Finding Non-compliances with Declarative Process Constraints through Semantic Technologies”. In: *Information Systems Engineering in Responsible Information Systems - CAiSE Forum 2019, Rome, Italy, June 3-7, 2019, Proceedings*. Ed. by Cinzia Cappiello and Marcela Ruiz. Vol. 350. Lecture Notes in Business Information Processing. Springer, 2019, pp. 60–74. ISBN: 978-3-030-21296-4. DOI: 10.1007/978-3-030-21297-1_6.
- [40] Han van der Aa, Claudio Di Ciccio, Henrik Leopold, and Hajo A. Reijers. “Extracting Declarative Process Models from Natural Language”. In: *Advanced Information Systems Engineering - 31st International Conference, CAiSE 2019, Rome, Italy, June 3-7, 2019, Proceedings*. Ed. by Paolo Giorgini and Barbara Weber. Vol. 11483. Lecture Notes in Computer Science. Springer, 2019, pp. 365–382. ISBN: 978-3-030-21289-6. DOI: 10.1007/978-3-030-21290-2_23.  GGS A.  CORE A.
- [41] Stefan Schönig, Claudio Di Ciccio, and Mendling Jan. “Configuring SQL-based process mining for performance and storage optimisation”. In: *Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing, SAC 2019, Limassol, Cyprus, April 8-12, 2019*. Ed. by Chih-Cheng Hung and George A. Papadopoulos. ACM, 2019, pp. 94–97. ISBN: 978-1-4503-5933-7. DOI: 10.1145/3297280.3297532.
- [42] Anton Yeshchenko, Claudio Di Ciccio, Jan Mendling, and Artem Polyvyanyy. “Comprehensive Process Drift Detection with Visual Analytics”. In: *Conceptual Modeling - 39th International Conference, ER 2019, Vienna, Austria, November 3-6, 2020, Proceedings*. Ed. by Gillian Dobbie, Ulrich Frank, Gerti Kappel, Stephen W. Liddle, and Heinrich C. Mayr. Lecture Notes in Computer Science. Springer, 2019, pp. 119–135. ISBN: 978-3-030-62522-1. DOI: 10.1007/978-3-030-33223-5_11.  GGS B.  CORE A.
- [43] Dina Bayomie, Claudio Di Ciccio, Marcello La Rosa, and Jan Mendling. “A Probabilistic Approach to Event-Case Correlation for Process Mining”. In: *Conceptual Modeling - 39th International Conference, ER 2019, Vienna, Austria, November 3-6, 2020, Proceedings*. Ed. by Gillian Dobbie, Ulrich Frank, Gerti Kappel, Stephen W. Liddle, and Heinrich C. Mayr. Lecture Notes in Computer Science. Springer, 2019, pp. 136–152. ISBN: 978-3-030-62522-1. DOI: 10.1007/978-3-030-33223-5_12.  GGS B.  CORE A.
- [44] Roman Mühlberger, Stefan Bachhofner, Claudio Di Ciccio, Luciano García-Bañuelos, and Orlenys López-Pintado. “Extracting Event Logs for Process Mining from Data Stored on the Blockchain”. In: *Business Process Management Workshops - BPM 2019 International Workshops, Vienna, Austria, September 1-6, 2019, Revised Selected Papers*. Ed. by Remco M. Dijkman, Chiara Di Francescomarino, and Uwe Zdun. Vol. 362. Lecture Notes in Business Information Processing. Springer, 2019, pp. 690–703. ISBN: 978-3-030-37452-5. DOI: 10.1007/978-3-030-37453-2_55.
- [45] Anton Yeshchenko, Claudio Di Ciccio, Jan Mendling, and Artem Polyvyanyy. “Comprehensive Process Drift Analysis with the Visual Drift Detection Tool”. In: *Proceedings of the ER Forum and Poster & Demos Session 2019 on Publishing Papers with CEUR-WS co-located with 38th International Conference on Conceptual Modeling (ER 2019), Salvador, Brazil, November 4, 2019*. Ed. by José Ignacio Panach, Renata S.S. Guizzardi, and Daniela Barreiro Claro. Vol. 2469. CEUR Workshop Proceedings. CEUR-WS.org, 2019, pp. 108–112. URL: <http://ceur-ws.org/Vol-2469/ERDemo01.pdf>.
- [46] Amr Azzam, Peb Ruswono Aryan, Alessio Cecconi, Claudio Di Ciccio, Fajar J. Ekaputra, Javier D. Fernández, Sotiris Karampatakis, Elmar Kiesling, Angelika Musil, Marta Sabou, Pujan Shadlau, and Thomas Thurner. “The CitySPIN Platform: A CPSS Environment for City-Wide Infrastructures”. In: *Proceedings of the 1st Workshop on Cyber-Physical Social Systems co-located with the 9th International Conference on the Internet of Things (IoT 2019), Bilbao, Spain, October 22, 2019*. Ed. by Antonella Longo, Maria Fazio, Rajiv Ranjan, and Marco Zappatore. Vol. 2530. CEUR Workshop Proceedings. CEUR-WS.org, 2019, pp. 57–64. URL: <http://ceur-ws.org/Vol-2530/paper8.pdf>.
- [47] Alessio Cecconi, Claudio Di Ciccio, Giuseppe De Giacomo, and Jan Mendling. “Interestingness of traces in declarative process mining: The Janus LTLpf approach”. In: *Business Process Management - 16th International Conference, BPM 2018, Sydney, NSW, Australia, September 9-14, 2018, Proceedings*. Ed. by Mathias Weske, Marco Montali, Ingo Weber, and Jan vom Brocke. Vol. 11080. Lecture Notes in Computer Science. Springer, 2018, pp. 121–138. ISBN: 978-3-319-98647-0. DOI: 10.1007/978-3-319-98648-7_8.  GGS A.  CORE A.

- [48] Claudio Di Ciccio, Alessio Cecconi, Jan Mendling, Dominik Felix, Dominik Haas, Daniel Lilek, Florian Riel, Andreas Rimpl, and Philipp Uhlig. “Blockchain-Based Traceability of Inter-organisational Business Processes”. In: *Business Modeling and Software Design, BMSD 2018, Vienna, Austria, July 2-4, 2018, Proceedings*. Ed. by Boris Shishkov. Vol. 319. Lecture Notes in Business Information Processing. Springer, 2018, pp. 56–68. ISBN: 978-3-319-94214-8. DOI: 10.1007/978-3-319-94214-8_4.
- [49] Suhrid Satyal, Ingo Weber, Hye-young Paik, Claudio Di Ciccio, and Jan Mendling. “Shadow Testing for Business Process Improvement”. In: *On the Move to Meaningful Internet Systems. OTM 2018 Conferences - Confederated International Conferences: CoopIS, C&TC, and ODBASE 2018, Valletta, Malta, October 22-26, 2018, Proceedings, Part I*. Ed. by Hervé Panetto, Christophe Debruyne, Henderik A. Proper, Claudio Agostino Ardagna, Dumitru Roman, and Robert Meersman. Vol. 11229. Lecture Notes in Computer Science. Springer, 2018, pp. 153–171. ISBN: 978-3-030-02609-7. DOI: 10.1007/978-3-030-02610-3_9.  GGS A-.  CORE A.
- [50] Suhrid Satyal, Ingo Weber, Hye-young Paik, Claudio Di Ciccio, and Jan Mendling. “AB Testing for Process Versions with Contextual Multi-armed Bandit Algorithms”. In: *Advanced Information Systems Engineering - 30th International Conference, CAiSE 2018, Tallinn, Estonia, June 11-15, 2018, Proceedings*. Ed. by John Krogstie and Hajo A. Reijers. Vol. 10816. Lecture Notes in Computer Science. Springer, 2018, pp. 19–34. ISBN: 978-3-319-91562-3. DOI: 10.1007/978-3-319-91563-0_2.  GGS A.  CORE A.
- [51] Johannes De Smedt, Claudio Di Ciccio, Jan Vanthienen, and Jan Mendling. “Model Checking of Mixed-Paradigm Process Models in a Discovery Context - Finding the Fit Between Declarative and Procedural”. In: *Business Process Management Workshops - BPM 2016 International Workshops, Rio de Janeiro, Brazil, September 19, 2016, Revised Papers*. Ed. by Marlon Dumas and Marcelo Fantinato. Vol. 281. Lecture Notes in Business Information Processing. Springer, 2017, pp. 74–86. ISBN: 978-3-319-58456-0. DOI: 10.1007/978-3-319-58457-7_6.
- [52] Giovanni Meroni, Claudio Di Ciccio, and Jan Mendling. “Artifact-driven Process Monitoring: Dynamically Binding Real-world Objects to Running Processes”. In: *Proceedings of the Forum and Doctoral Consortium Papers Presented at the 29th International Conference on Advanced Information Systems Engineering, CAiSE 2017, Essen, Germany, June 12-16, 2017*. Ed. by Xavier Franch, Jolita Ralyté, Raimundas Matulevicius, Camille Salinesi, and Roel Wieringa. Vol. 1848. CEUR Workshop Proceedings. CEUR-WS.org, 2017, pp. 105–112. URL: http://ceur-ws.org/Vol-1848/CAiSE2017_Forum_Paper14.pdf.
- [53] Stefan Bachhofner, Isabella Kis, Claudio Di Ciccio, and Jan Mendling. “Towards a Multi-parametric Visualisation Approach for Business Process Analytics”. In: *Advanced Information Systems Engineering Workshops: CAISE 2017 International Workshops, Essen, Germany, June 12–16, 2017, Proceedings*. Ed. by Andreas Metzger and Anne Persson. Vol. 286. Lecture Notes in Business Information Processing. Springer, 2017, pp. 85–91. ISBN: 978-3-319-60048-2. DOI: 10.1007/978-3-319-60048-2_8.
- [54] Isabella Kis, Stefan Bachhofner, Claudio Di Ciccio, and Jan Mendling. “Towards a Data-Driven Framework for Measuring Process Performance”. In: *Enterprise, Business-Process and Information Systems Modeling: 18th International Conference, BPMDS 2017, 22nd International Conference, EMMSAD 2017, Held at CAiSE 2017, Essen, Germany, June 12-13, 2017, Proceedings*. Ed. by Iris Reinhartz-Berger, Jens Gulden, Selmin Nurcan, Wided Guédria, and Palash Bera. Vol. 287. Lecture Notes in Business Information Processing. Springer, 2017, pp. 3–18. ISBN: 978-3-319-59466-8. DOI: 10.1007/978-3-319-59466-8_1.
- [55] Suhrid Satyal, Ingo Weber, Hye-young Paik, Claudio Di Ciccio, and Jan Mendling. “AB-BPM: Performance-Driven Instance Routing for Business Process Improvement”. In: *Business Process Management - 16th International Conference, BPM 2018, Sydney, NSW, Australia, September 9-14, 2018, Proceedings*. Ed. by Mathias Weske, Marco Montali, Ingo Weber, and Jan vom Brocke. Vol. 11080. Lecture Notes in Computer Science. Springer, 2017, pp. 113–129. ISBN: 978-3-319-98647-0. DOI: 10.1007/978-3-319-65000-5_7.  GGS A.  CORE A.
- [56] Luciano Baresi, Claudio Di Ciccio, Jan Mendling, Giovanni Meroni, and Pierluigi Plebani. “mArtifact: an Artifact-driven Process Monitoring Platform”. In: *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*. Ed. by Robert Clarisó, Henrik Leopold, Jan Mendling, Wil M. P. van der Aalst, Akhil Kumar, Brian T. Pentland, and Mathias Weske. Vol. 1920. CEUR Workshop Proceedings. CEUR-WS.org, 2017, pp. 1–5. URL: http://ceur-ws.org/Vol-1920/BPM_2017_paper_188.pdf.
- [57] Christian Sturm, Stefan Schöning, and Claudio Di Ciccio. “Distributed Multi-Perspective Declare Discovery”. In: *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*. Ed. by Robert Clarisó, Henrik Leopold, Jan Mendling, Wil M. P. van der Aalst, Akhil Kumar, Brian T. Pentland, and Mathias Weske. Vol. 1920. CEUR Workshop Proceedings. CEUR-WS.org, 2017. URL: http://ceur-ws.org/Vol-1920/BPM_2017_paper_194.pdf.

- [58] Giovanni Meroni, Claudio Di Ciccio, and Jan Mendling. “An Artifact-Driven Approach to Monitor Business Processes Through Real-World Objects”. In: *Service-Oriented Computing - 15th International Conference, ICSOC 2017, Malaga, Spain, November 13-16, 2017, Proceedings*. Ed. by E. Michael Maximilien, Antonio Vallecillo, Jianmin Wang, and Marc Oriol. Vol. 10601. Lecture Notes in Computer Science. Springer, 2017, pp. 297–313. ISBN: 978-3-319-69034-6. DOI: 10.1007/978-3-319-69035-3_21.  GGS A-.  CORE A.
- [59] Anne Baumgraß, Mirela Botezatu, Claudio Di Ciccio, Remco Dijkman, Paul Grefen, Marcin Hewelt, Jan Mendling, Andreas Meyer, Shaya Pourmirza, and Hagen Völzer. “Towards a Methodology for the Engineering of Event-Driven Process Applications”. In: *Business Process Management Workshops - BPM 2015 International Workshops, Innsbruck, Austria, August 31 – September 3, 2015, Revised Papers*. Ed. by Manfred Reichert and A. Hajo Reijers. Vol. 256. Lecture Notes in Business Information Processing. Springer International Publishing, 2016, pp. 501–514. ISBN: 978-3-319-42886-4. DOI: 10.1007/978-3-319-42887-1_40.
- [60] Michael Hanser, Claudio Di Ciccio, and Jan Mendling. “A Novel Framework for Visualizing Declarative Process Models”. In: *Proceedings of the 8th ZEUS Workshop, Vienna, Austria, January 27-28, 2016*. Ed. by Christoph Hochreiner and Stefan Schulte. Vol. 1562. CEUR Workshop Proceedings. CEUR-WS.org, 2016, pp. 5–12. URL: <http://ceur-ws.org/Vol-1562/paper1.pdf>. ★ **Best Presentation Award at the 8th Central-European Workshop on Services and their Composition (ZEUS 2016)**.
- [61] Taavi Kala, Fabrizio Maria Maggi, Claudio Di Ciccio, and Chiara Di Francescomarino. “Apriori and Sequence Analysis for Discovering Declarative Process Models”. In: *20th IEEE International Enterprise Distributed Object Computing Conference, EDOC 2016, Vienna, Austria, September 5-9, 2016*. Ed. by Florian Matthes, Jan Mendling, and Stefanie Rinderle-Ma. IEEE, 2016, pp. 50–58. ISBN: 978-1-4673-9885-5. DOI: 10.1109/EDOC.2016.7579378.  GGS B.  CORE B.
- [62] Fabrizio Maria Maggi, Marco Montali, Claudio Di Ciccio, and Jan Mendling. “Semantical Vacuity Detection in Declarative Process Mining”. In: *Business Process Management - 14th International Conference, BPM 2016, Rio de Janeiro, Brazil, September 18-22, 2016. Proceedings*. Ed. by Marcello La Rosa, Peter Loos, and Oscar Pastor. Vol. 9850. Lecture Notes in Computer Science. Springer, 2016, pp. 158–175. ISBN: 978-3-319-45347-7. DOI: 10.1007/978-3-319-45348-4_10.  GGS A.  CORE A.
- [63] Stefan Schönig, Claudio Di Ciccio, Fabrizio Maria Maggi, and Jan Mendling. “Discovery of Multi-perspective Declarative Process Models”. In: *Service-Oriented Computing - 14th International Conference, ICSOC 2016, Banff, AB, Canada, October 10-13, 2016, Proceedings*. Ed. by Quan Z. Sheng, Eleni Stroulia, Samir Tata, and Sami Bhiri. Vol. 9936. Lecture Notes in Computer Science. Springer, 2016, pp. 87–103. ISBN: 978-3-319-46294-3. DOI: 10.1007/978-3-319-46295-0_6.  GGS A-.  CORE A.
- [64] Matej Puchovsky, Claudio Di Ciccio, and Jan Mendling. “A Case Study on the Business Benefits of Automated Process Discovery”. In: *Proceedings of the 6th International Symposium on Data-driven Process Discovery and Analysis (SIMPDA 2016), Graz, Austria, December 15-16, 2016*. Ed. by Paolo Ceravolo, Christian Guetl, and Stefanie Rinderle-Ma. Vol. 1757. CEUR Workshop Proceedings. CEUR-WS.org, 2016, pp. 35–49. URL: <http://ceur-ws.org/Vol-1757/paper3.pdf>.
- [65] Thomas Baier, Claudio Di Ciccio, Jan Mendling, and Mathias Weske. “Matching of Events and Activities - An Approach Using Declarative Modeling Constraints”. In: *Enterprise, Business-Process and Information Systems Modeling - 16th International Conference, BPMDS 2015, 20th International Conference, EMMSAD 2015, Held at CAiSE 2015, Stockholm, Sweden, June 8-9, 2015, Proceedings*. Ed. by Khaled Gaaloul, Rainer Schmidt, Selmin Nurcan, Sérgio Guerreiro, and Qin Ma. Vol. 214. Lecture Notes in Business Information Processing. Springer, 2015, pp. 119–134. ISBN: 978-3-319-19236-9. DOI: 10.1007/978-3-319-19237-6_8.
- [66] Anne Baumgrass, Cristina Cabanillas, and Claudio Di Ciccio. “A Conceptual Architecture for an Event-based Information Aggregation Engine in Smart Logistics”. In: *Enterprise Modelling and Information Systems Architectures, Proceedings of the 6th Int. Workshop on Enterprise Modelling and Information Systems Architectures, EMISA 2015, Innsbruck, Austria, September 3-4, 2015*. Ed. by Jens Kolb, Henrik Leopold, and Jan Mendling. Vol. 248. Lecture Notes in Informatics (LNI). GI, 2015, pp. 109–123. ISBN: 978-3-88579-642-8.
- [67] Anne Baumgrass, Claudio Di Ciccio, Remco M. Dijkman, Marcin Hewelt, Jan Mendling, Andreas Meyer, Shaya Pourmirza, Mathias Weske, and Tsun Yin Wong. “GET Controller and UNICORN: Event-driven Process Execution and Monitoring in Logistics”. In: *Proceedings of the BPM Demo Session 2015 Co-located with the 13th International Conference on Business Process Management (BPM 2015), Innsbruck, Austria, September 2, 2015*. Ed. by Florian Daniel and Stefan Zugal. Vol. 1418. CEUR Workshop Proceedings. CEUR-WS.org, 2015, pp. 75–79. URL: <http://ceur-ws.org/Vol-1418/paper16.pdf>.

- [68] Claudio Di Ciccio, Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi. “Generating Event Logs through the Simulation of Declare Models”. In: *Enterprise and Organizational Modeling and Simulation - 11th International Workshop, EOMAS 2015, Held at CAiSE 2015, Stockholm, Sweden, June 8-9, 2015, Selected Papers*. Ed. by Joseph Barjis, Robert Pergl, and Eduard Babkin. Vol. 231. Lecture Notes in Business Information Processing. Springer, 2015, pp. 20–36. ISBN: 978-3-319-24625-3. DOI: 10.1007/978-3-319-24626-0_2.
- [69] Claudio Di Ciccio, Javier D. Fernández, and Jürgen Umbrich. “Improving the Usability of Open Data Portals from a Business Process Perspective”. In: *Open Data Quality: from Theory to Practice Workshop, ODQ 2015, Munich, 30 March 2015*. Politecnico di Torino. Network of Excellence in Internet Science, 2015, pp. 6–10.
- [70] Claudio Di Ciccio, Fabrizio Maria Maggi, Marco Montali, and Jan Mendling. “Ensuring Model Consistency in Declarative Process Discovery”. In: *Business Process Management - 13th International Conference, BPM 2015, Innsbruck, Austria, August 31 - September 3, 2015, Proceedings*. Ed. by Hamid Reza Motahari-Nezhad, Jan Recker, and Matthias Weidlich. Vol. 9253. Lecture Notes in Computer Science. Springer, 2015, pp. 144–159. ISBN: 978-3-319-23062-7. DOI: 10.1007/978-3-319-23063-4_9.  GGS A.  CORE A. ★ **Best Paper Award of the 13th Int. Conference on Business Process Management (BPM 2015)**.
- [71] Claudio Di Ciccio, Mitchel H.M. Schouten, Massimiliano de Leoni, and Jan Mendling. “Declarative Process Discovery with MINERful in ProM”. In: *Proceedings of the BPM Demo Session 2015 Co-located with the 13th International Conference on Business Process Management (BPM 2015), Innsbruck, Austria, September 2, 2015*. Ed. by Florian Daniel and Stefan Zugal. Vol. 1418. CEUR Workshop Proceedings. CEUR-WS.org, 2015, pp. 60–64. URL: <http://ceur-ws.org/Vol-1418/paper13.pdf>.
- [72] Claudio Di Ciccio, Massimo Mecella, and Jan Mendling. “The Effect of Noise on Mined Declarative Constraints”. In: *Data-Driven Process Discovery and Analysis*. Ed. by Paolo Ceravolo, Rafael Accorsi, and Philippe Cudre-Mauroux. Vol. 203. Lecture Notes in Business Information Processing. Springer, 2015, pp. 1–24. ISBN: 978-3-662-46435-9. DOI: 10.1007/978-3-662-46436-6_1.
- [73] Cristina Cabanillas, Enver Campara, Claudio Di Ciccio, Bartholomäus Koziel, Jan Mendling, Johannes Paulitschke, and Johannes Prescher. “Towards a Prediction Engine for Flight Delays based on Weather Delay Analysis”. In: *Joint Proceedings of the 1st International Workshop on Modeling Inter-Organizational Processes and 1st International Workshop on Event Modeling and Processing in Business Process Management co-located with Modellierung 2014, Vienna, Austria, March 19, 2014*. Ed. by Anne Baumgraß, Nico Herzberg, Gerti Kappel, Jan Mendling, Andreas Meyer, and Stefanie Rinderle-Ma. Vol. 1185. CEUR Workshop Proceedings. CEUR-WS.org, 2014, pp. 49–51. URL: <http://ceur-ws.org/Vol-1185/paper6.pdf>.
- [74] Cristina Cabanillas, Andreas Curik, Claudio Di Ciccio, Manuel Gutjahr, Jan Mendling, Johannes Prescher, and Jan Simecka. “Combining Event Processing and Support Vector Machines for Automated Flight Diversion Predictions”. In: *Joint Proceedings of the 1st International Workshop on Modeling Inter-Organizational Processes and 1st International Workshop on Event Modeling and Processing in Business Process Management co-located with Modellierung 2014, Vienna, Austria, March 19, 2014*. Ed. by Anne Baumgraß, Nico Herzberg, Gerti Kappel, Jan Mendling, Andreas Meyer, and Stefanie Rinderle-Ma. Vol. 1185. CEUR Workshop Proceedings. CEUR-WS.org, 2014, pp. 45–47. URL: <http://ceur-ws.org/Vol-1185/paper5.pdf>.
- [75] Cristina Cabanillas, Claudio Di Ciccio, Jan Mendling, and Anne Baumgrass. “Predictive Task Monitoring for Business Processes”. In: *Business Process Management - 12th International Conference, BPM 2014, Haifa, Israel, September 7-11, 2014*. Ed. by Shazia Wasim Sadiq, Pnina Soffer, and Hagen Völzer. Vol. 8659. Lecture Notes in Computer Science. Springer, 2014, pp. 424–432. ISBN: 978-3-319-10171-2. DOI: 10.1007/978-3-319-10172-9_31.  GGS A.  CORE A.
- [76] Claudio Di Ciccio, Fabrizio Maria Maggi, and Jan Mendling. “Discovering Target-Branched Declare Constraints”. In: *Business Process Management - 12th International Conference, BPM 2014, Haifa, Israel, September 7-11, 2014*. Ed. by Shazia Wasim Sadiq, Pnina Soffer, and Hagen Völzer. Vol. 8659. Lecture Notes in Computer Science. Springer, 2014, pp. 34–50. ISBN: 978-3-319-10171-2. DOI: 10.1007/978-3-319-10172-9_3.  GGS A.  CORE A.
- [77] Johannes Prescher, Claudio Di Ciccio, and Jan Mendling. “From Declarative Processes to Imperative Models”. In: *Proceedings of the 4th International Symposium on Data-driven Process Discovery and Analysis (SIMPDA 2014), Milan, Italy, November 19-21, 2014*. Ed. by Rafael Accorsi, Paolo Ceravolo, and Barbara Russo. Vol. 1293. CEUR Workshop Proceedings. CEUR-WS.org, 2014, pp. 162–173. DOI: 10.13140/2.1.1577.4409.
- [78] Margus Rääim, Claudio Di Ciccio, Fabrizio Maria Maggi, Massimo Mecella, and Jan Mendling. “Log-Based Understanding of Business Processes through Temporal Logic Query Checking”. In: *On the Move to Meaningful Internet Systems: OTM 2014 Conferences - Confederated International Conferences: CoopIS, and ODBASE 2014, Amantea, Italy, October 27-31, 2014, Proceedings*. Ed. by Robert Meersman, Hervé Panetto, Tharam S. Dillon, Michele Misikoff, Lin Liu, Oscar Pastor, Alfredo Cuzzocrea, and Timos Sellis. Vol. 8841. Lecture Notes in Computer Science. Springer, 2014, pp. 75–92. ISBN: 978-3-662-45562-3. DOI: 10.1007/978-3-662-45563-0_5.  GGS A-.  CORE A.

- [79] Claudio Di Ciccio and Massimo Mecella. “A Two-Step Fast Algorithm for the Automated Discovery of Declarative Workflows”. In: *IEEE Symposium on Computational Intelligence and Data Mining, CIDM 2013, Singapore, 16-19 April, 2013*. IEEE, 2013, pp. 135–142. ISBN: 978-1-4673-5895-8. DOI: 10.1109/CIDM.2013.6597228.  CORE C.
- [80] Claudio Di Ciccio and Massimo Mecella. “Studies on the Discovery of Declarative Control Flows from Error-prone Data”. In: *Proceedings of the 3rd International Symposium on Data-driven Process Discovery and Analysis, Riva del Garda, Italy, August 30, 2013*. Ed. by Rafael Accorsi, Paolo Ceravolo, and Philippe Cudré-Mauroux. Vol. 1027. CEUR Workshop Proceedings. CEUR-WS.org, 2013, pp. 31–45. URL: <http://ceur-ws.org/Vol-1027/paper3.pdf>.
- [81] Mario Caruso, Claudio Di Ciccio, Ettore Iacomussi, Eirini Kaldeli, Alexander Lazovik, and Massimo Mecella. “Service Ecologies for Home/Building Automation”. In: *10th International IFAC Symposium on Robot Control, SyRoCo 2012, Dubrovnik, Croatia, September 5-7, 2012*. Ed. by Ivan Petrovic and Peter Korondi. Vol. 10. Robot Control. IFAC, 2012, pp. 467–472. ISBN: 978-3-902823-11-3. DOI: 10.3182/20120905-3-HR-2030.00191.
- [82] Giuseppe De Giacomo, Claudio Di Ciccio, Paolo Felli, Yuxiao Hu, and Massimo Mecella. “Goal-based Composition of Stateful Services for Smart Homes”. In: *On the Move to Meaningful Internet Systems: OTM 2012, Confederated International Conferences: CoopIS, DOA-SVI, and ODBASE 2012, Rome, Italy, September 10-14, 2012. Proceedings, Part I*. Ed. by Robert Meersman, Hervé Panetto, Tharam S. Dillon, Stefanie Rinderle-Ma, Peter Dadam, Xiaofang Zhou, Siani Pearson, Alois Ferscha, Sonia Bergamaschi, and Isabel F. Cruz. Vol. 7565. Lecture Notes in Computer Science. Springer, 2012, pp. 194–211. ISBN: 978-3-642-33605-8. DOI: 10.1007/978-3-642-33606-5_13.  GGS A-.  CORE A.
- [83] Claudio Di Ciccio, Andrea Marrella, and Alessandro Russo. “Knowledge-intensive Processes: An Overview of Contemporary Approaches”. In: *1st International Workshop on Knowledge-intensive Business Processes, KiBP 2012, Rome, Italy, June 15, 2012*. Ed. by Arthur H.M. ter Hofstede, Massimo Mecella, Sebastian Sardina, and Andrea Marrella. Vol. 861. CEUR-WS.org, 2012, pp. 33–47. URL: http://ceur-ws.org/Vol-861/KiBP2012_paper_2.pdf.
- [84] Claudio Di Ciccio and Massimo Mecella. “Mining Constraints for Artful Processes”. In: *Business Information Systems - 15th International Conference, BIS 2012, Vilnius, Lithuania, May 21-23, 2012. Proceedings*. Ed. by Witold Abramowicz, Dalia Kriksciuniene, and Virgilijus Sakalauskas. Vol. 117. Lecture Notes in Business Information Processing. Springer, 2012, pp. 11–23. ISBN: 978-3-642-30358-6. DOI: 10.1007/978-3-642-30359-3_2.  GGS B-.  CORE B.
- [85] Claudio Di Ciccio, Massimo Mecella, Monica Scannapieco, Diego Zardetto, and Tiziana Catarci. “MailOfMine – Analyzing Mail Messages for Mining Artful Collaborative Processes”. In: *Data-Driven Process Discovery and Analysis*. Ed. by Karl Aberer, Ernesto Damiani, and Tharam Dillon. Vol. 116. Lecture Notes in Business Information Processing. Springer, 2012, pp. 55–81. ISBN: 978-3-642-34043-7. DOI: 10.1007/978-3-642-34044-4_4.
- [86] Tiziana Catarci, Claudio Di Ciccio, Vincenzo Forte, Ettore Iacomussi, Massimo Mecella, Giuseppe Santucci, and Giuseppe Tino. “Service Composition and Advanced User Interfaces in the Home of Tomorrow: the SM4All Approach”. In: *Ambient Media and Systems - Second International ICST Conference, AMBI-SYS 2011, Porto, Portugal, March 24-25, 2011, Revised Selected Papers*. Ed. by Silvia Gabrielli, Dirk Elias, and Kanav Kahol. Vol. 70. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering. Springer, 2011, pp. 12–19. ISBN: 978-3-642-23901-4. DOI: 10.1007/978-3-642-23902-1_2.
- [87] Claudio Di Ciccio, Tiziana Catarci, and Massimo Mecella. “Representing and Visualizing Mined Artful Processes in MailOfMine”. In: *Information Quality in e-Health - 7th Conference of the Workgroup Human-Computer Interaction and Usability Engineering of the Austrian Computer Society, USAB 2011, Graz, Austria, November 25-26, 2011. Proceedings*. Ed. by Andreas Holzinger and Klaus-Martin Simoncic. Vol. 7058. Lecture Notes in Computer Science. Springer, 2011, pp. 83–94. ISBN: 978-3-642-25363-8. DOI: 10.1007/978-3-642-25364-5_9.
- [88] Claudio Di Ciccio, Massimo Mecella, Monica Scannapieco, and Diego Zardetto. “Groupware Mail Messages Analysis for Mining Collaborative Processes”. In: *Sistemi Evoluti per Basi di Dati - SEBD 2011, Proceedings of the Nineteenth Italian Symposium on Advanced Database Systems, Maratea, Italy, June 26-29, 2011*. Ed. by Giansalvatore Mecca and Sergio Greco. 2011, pp. 397–404.
- [89] Claudio Di Ciccio, Massimo Mecella, Monica Scannapieco, Diego Zardetto, and Tiziana Catarci. “MailOfMine – Analyzing Mail Messages for Mining Artful Collaborative Processes”. In: *1st International Symposium on Data-Driven Process Discovery and Analysis, SIMPDA 2011, Campione d’Italia, Italy, June 29 - July 1st, 2011*. Ed. by Karl Aberer, Ernesto Damiani, and Tharam Dillon. 2011, pp. 45–59. ISBN: 978-88-903120-2-1.
- [90] Riccardo De Masellis, Claudio Di Ciccio, Massimo Mecella, and Fabio Patrizi. “Smart Home Planning Programs”. In: *7th International Conference on Service Systems and Service Management, ICSSSM 2010, Tokyo, Japan, June 28-30, 2010*. Ed. by Jian Chen. IEEE, 2010, pp. 377–382. DOI: 10.1109/ICSSSM.2010.5530212.

- [91] Roberto Baldoni, Claudio Di Ciccio, Massimo Mecella, Fabio Patrizi, Leonardo Querzoni, Giuseppe Santucci, Shahram Dustdar, Fei Li, Hong-Linh Truong, Laura Albornos, Francisco Milagro Lardies, Pablo Antolin Rafael, Rassul Ayani, Katharina Rasch, Marianela Garcia Lozano, Marco Aiello, Alexander Lazovik, Antonio Denaro, Giorgio Lasala, Paolo Pucci, Clemens Holzner, Febo Cincotti, and Fabio Aloise. “An Embedded Middleware Platform for Pervasive and Immersive Environments for-All”. In: *6th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks, SECON 2009, Rome, Italy, June 22-26, 2009*. Ed. by Mario Gerla, Chiara Petrioli, and Nitin Vaidya. IEEE, 2009, pp. 213–215. ISBN: 978-1-4244-2907-3. DOI: 10.1109/SAHCNW.2009.5172921.  GGS B.  CORE B.

Edited Volumes

- [92] Iris Beerepoot, Claudio Di Ciccio, Andrea Marrella, Hajo A. Reijers, Stefanie Rinderle-Ma, and Barbara Weber, eds. *Proceedings of the International Workshop on BPM Problems to Solve Before We Die (PROBLEMS 2021) co-located with the 19th International Conference on Business Process Management (BPM 2021), Rome, Italy, September 6-10, 2021*. Vol. 2938. CEUR Workshop Proceedings. CEUR-WS.org, 2021.
- [93] Claudio Di Ciccio, Benoît Depaire, Jochen De Weerd, Chiara Di Francescomarino, and Jorge Munoz-Gama, eds. *Proceedings of the ICPM Doctoral Consortium and Tool Demonstration Track 2020 co-located with the 2nd International Conference on Process Mining (ICPM 2020), Padua, Italy, October 4-9, 2020*. Vol. 2703. CEUR Workshop Proceedings. CEUR-WS.org, 2020. URL: <http://ceur-ws.org/Vol-2703/>.
- [94] Wil M.P. van der Aalst, Jan vom Brocke, Marco Comuzzi, Claudio Di Ciccio, Félix García, Akhil Kumar, Jan Mendling, Brian T. Pentland, Luise Pufahl, Manfred Reichert, and Mathias Weske, eds. *Proceedings of the Best Dissertation Award, Doctoral Consortium, and Demonstration & Resources Track at BPM 2020 co-located with the 18th International Conference on Business Process Management (BPM 2020), Sevilla, Spain, September 13-18, 2020*. Vol. 2673. CEUR Workshop Proceedings. CEUR-WS.org, 2020. URL: <http://ceur-ws.org/Vol-2673/>.
- [95] Claudio Di Ciccio, Renata Gabryelczyk, Luciano García-Bañuelos, Tomislav Hernaus, Rick Hull, Mojca Indihar Stemberger, Andrea Kö, and Mark Staples, eds. *Business Process Management: Blockchain and Central and Eastern Europe Forum - BPM 2019 Blockchain and CEE Forum, Vienna, Austria, September 1-6, 2019, Proceedings*. Vol. 361. Lecture Notes in Business Information Processing. Springer, 2019. ISBN: 978-3-030-30428-7. DOI: 10.1007/978-3-030-30429-4.