Claudio Di Ciccio

Curriculum Vitae et Studiorum

Contact Data

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Citizenship	Italian
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Professional Experience

12/2023 ⟶	*Associate professor*	Department of Information and Computing Sciences, Utrecht University, Netherlands.
↱ 11/2023 12/2022	*Associate professor*	Department of Computer Science, Sapienza University of Rome, Italy.
↱ 12/2022 12/2019	*Assistant professor (tenure track)*	Department of Computer Science, Sapienza University of Rome, Italy.
↱ 11/2019 07/2015	*Assistant professor (non-tenure track)*	Institute for Information Business, Vienna University of Economics and Business (WU Vienna), Austria.
↱ 06/2015 07/2013	*Postdoctoral researcher*	Institute for Information Business, Vienna University of Economics and Business (WU Vienna), Austria.
↱ 06/2012 02/2009	*R&D engineer*	EXALTECH S.r.l. (IT software development company), Latina, Italy.
↱ 06/2013 11/2008	*Research assistant*	Department of Computer, Control, and Management Engineering, Sapienza University of Rome, Italy.
↱ 10/2008 09/2005	*Student assistant, research technician*	Department of Computer, Control, and Management Engineering, Sapienza University of Rome, Italy.

Education

↱ 06/2012 11/2009	**Ph.D.** in **Computer Science and Engineering** at Sapienza University of Rome, Italy.	(proclaimed: 07/10/2013) *With honourable mention.*
↱ 10/2008 11/2005	**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.*	(proclaimed: 02/12/2008)
↱ 10/2005 09/2001	**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.*	(proclaimed: 26/10/2005)

Qualifications

09/02/2024	**Senior Research Qualification** (SKOz) issued by Utrecht University.
15/06/2022	Certification of **expertise** in high-innovation and quality **teaching** (QUiD) at Sapienza.
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**.

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) [98].
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) [88].
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, ▤ ɢɢꜱ A) [66].

26/10/2023   Co-author of the **Best Workshop Paper Award** winning paper at the *5ᵗʰ Int. Workshop on Event Data and Behavioral Analytics (EdbA'23), co-located with the 5ᵗʰ International Conference on Process Mining* (ICPM 2023) [37].

Memberships

2019–	Member of the Steering Committee of the IEEE CIS Task Force on Process Mining ⊕ `www.tf-pm.org`
2022–	Member of the Program Committee Board of IJCAI ⊕ `ijcai.org`
2022–2024	Member of the IEEE CIS SA P1849 Working Group (Standard for eXtensible Event Stream (XES) for Achieving Interoperability in Event Logs and Event Streams) ⊕ `www.tf-pm.org/resources/xes-standard/about-xes/xes-wg`
2018–	Professional Member of the Association for Computing Machinery (ACM)
2017–2019	Member of the Research Institute for Cryptoeconomics of the Vienna University of Economics and Business (WU Vienna) ⊕ `wu.ac.at/cryptoeconomics`
2015–2019	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`

Program Committees and Referrals

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2024–	*Guest Editor*	Special Issue of Information Systems (▤ sjr Q1) on "Process mining meets visual analytics"
2024	*Track Chair*	Blockchain Forum at the Int. Conference on Business Process Management (BPM, ggs A) ⊕ `https://bpm2024.agh.edu.pl/call-for-blockchain-forum/`
2024	*Workshop Chair*	Int. Conference on Advanced Information Systems Engineering (CAiSE, ggs A) ⊕ `https://cyprusconferences.org/caise2024/call-for-workshops/`
2023	*General Chair*	Int. Conference on Process Mining (ICPM) ⊕ `icpmconference.org/2023`
2022–2023	*Guest Editor*	Special Issue of the Journal of Intelligent Information Systems (▤ sjr Q2) on Recent Advances in Process Analytics ⊕ `doi.org/10.1007/s13740-021-00130-1`
2021–2023	*Guest Editor*	Special Issue of Information Systems (▤ sjr Q1) with the Selected Papers of the Third Int. Conference on Process Mining ⊕ `sciencedirect.com/special-issue/10Z18JFBSW3`
2022	*PC Chair*	Int. Conference on Business Process Management (BPM, ggs A) ⊕ `bpm2022.uni-muenster.de`
2021	*PC Chair*	Int. Conference on Process Mining (ICPM) ⊕ `icpmconference.org/2021`
2021	*Track Chair*	Int. Conference on Business Process Management (BPM, ggs A), Tutorials & Panels Track ⊕ `bpm2021.diag.uniroma1.it/call-for-tutorials/`
2021	*Guest Editor*	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`
2023–	*Organiser*	Int. Workshop on Formal Methods for Business Process Management (FM-BPM), co-located with the Int. Conference on Business Process Management (BPM, ggs A) ⊕ `fm-bpm2024.github.io`
2021	*Organiser*	Int. Workshop on Workshop on BPM Problems to Solve Before We Die (PROBLEMS '21), co-located with the Int. Conference on Business Process Management (BPM, ggs A) ⊕ `sites.google.com/view/bpm-problems`
2020	*Track Chair*	Int. Conference on Business Process Management (BPM, ggs A), Demos & Resources Track ⊕ `congreso.us.es/bpm2020/calls/demos`
2020	*Track Chair*	Doctoral Consortium of the Int. Conference on Process Mining (ICPM) ⊕ `icpmconference.org/2020/doctoral-consortium`
2019	*Proceedings Chair*	Int. Conference on Business Process Management (BPM, ggs A) ⊕ `bpm2019.ai.wu.ac.at`
2019	*Track Chair*	Blockchain Forum at the Int. Conference on Business Process Management (BPM, ggs A) ⊕ `https://bpm2019.ai.wu.ac.at/call-for-blockchain-forum/`
2018–	*Organiser*	Int. Workshop on Process Querying, Manipulation and Intelligence (PQMI), co-located with the Int. Conference on Process Mining (ICPM) ⊕ `processquerying.com/pqmi2024`

2016–	*Organiser*	Int. Workshop on Declarative, Decision, and Hybrid approaches to processes (DEC2H), co-located with the Int. Conference on Business Process Management (BPM, ɢɢѕ A) ⊕ dec2h-2023.di.uniroma1.it
2015–2016	*Organiser*	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, ɢɢѕ A) and the IEEE International Enterprise Distributed Object Computing Conference (EDOC, ɢɢѕ B), ⊕ ai.wu.ac.at/rw-bpms2016

PC member	*Conferences*	• Int. Conference on Business Process Management (BPM, ▤ GGS A) 2018, 2019, 2020, 2021, 2023, 2024; Senior PC member since 2021 • Int. Joint Conference on Artificial Intelligence (IJCAI, ▤ GGS A++) 2015, 2021, 2022, 2023, 2024 • European Conference on Artificial Intelligence (ECAI, ▤ GGS A++) 2023, 2024 • Int. Conference on Process Mining (ICPM) 2019, 2020, 2022, 2024 • Int. Conference on Advanced Information Systems Engineering (CAiSE, ▤ GGS A) 2019, 2020, 2021, 2023, 2024 • Int. Conference on Service-Oriented Computing (ICSOC, ▤ GGS A-), 2022, 2023 • Int. Conference on Process Mining (ICPM) 2019, 2020, 2022, 2024 • Int. Conference on Cooperative Information Systems (CoopIS, ▤ GGS B), 2022, 2023 • Int. Enterprise Computing Conference (EDOC, ▤ GGS B) 2020, 2021, 2022, 2023, 2024 • European Conference on Information Systems (ECIS, ▤ GGS B) 2016, 2018, 2021, 2022, 2023; Associate Editor since 2022 • 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, 2023 • Wirtschaftsinformatik (WI) 2020, 2021, 2022, 2023 (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	• Int. Syposium on Methodologies for Intelligent Systems (ISMIS) 2024 • Blockchain Forum at the Int. Conference on Business Process Management (BPM Blockchain Forum) 2020, 2021, 2022, 2023 • 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 Artificial Intelligence for Business Process Management (AI4BPM) 2018, 2019, 2020, 2021, 2023, 2024 • Int. Workshop on Event Based Data Analysis (EbdA) 2020, 2021, 2022, 2024 • Int. Workshop on Foundations and Applications of Blockchain (FAB) 2024 • Int. Workshop on Process Management in the AI era (PMAI) 2024 • Int. Workshop on Business Process Intelligence (BPI) 2017, 2018, 2019, 2020, 2021, 2022, 2023 • Int. Workshop on Process-oriented Data Science for Healthcare (PODS4H) 2020, 2021, 2022 • Int. Workshop on Algorithms & Theories for the Analysis of Event Data (ATAED) 2016, 2017, 2018, 2019, 2020, 2022, 2023 • Int. Workshop on Business Process Management and the Internet of Things (BP-meet-IoT) 2022 • Int. Workshop on Data Quality and Transformation in Process Mining (DQT-PM) 2022 • 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 Doctoral Consortium of the Int. Conference on Process Mining (ICPM DC) 2019, 2020, 2022, 2023, 2024 • Jury of the Demo Track of the Int. Conference on Process Mining (ICPM Demos) 2019, 2020, 2021, 2022, 2023 • Jury of the Demo Track the Int. Conference on Business Process Management (BPM Demos) 2018, 2019, 2020 • Jury of the Business Process Intelligence Challenge (BPIC) 2014, 2015, 2016, 2017, 2018, 2019, 2020.

Reviewer	*Journals*	• Information Systems (▤ SJR Q1) • Journal of Information Security and Applications (▤ SJR Q1) • IEEE Transactions on Information Forensics & Security (▤ SJR Q1) • Computers in Industry (▤ SJR Q1) • ACM Trans. on Software Engineering and Methodology (TOSEM, ▤ SJR Q1) • ACM Trans. on Management Information Systems (TMIS, ▤ SJR Q1) • Decision Support Systems (▤ 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) • Journal of Biomedical Informatics (▤ SJR Q1) • Business & Information Systems Engineering (BISE, ▤ SJR Q1) • J. Network and Computer Applications (▤ SJR Q1) • Journal of Biomedical Informatics (▤ SJR Q1) • Artificial Intelligence in Medicine (▤ SJR Q1) • Automation in Construction (▤ SJR Q1) • Computer Communications (▤ SJR Q1) • IEEE Trans. on Automation Science and Engineering (▤ SJR Q1) • Journal of Logic and Computation (▤ SJR Q2) • 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) • Journal of Logic and Computation • Semantic Web Journal • Ledger • SN Computer Science • Computing • Transactions on Petri Nets and Other Models of Concurrency • Revista de Informática Teórica e Aplicada • ICST Trans. Ambient Systems.
Board		Member of the *Editorial Board* of the Journal of Intelligent Information Systems (2023–, ▤ SJR Q2). Member of the *Editorial Review Board* of the Special Issue on Conformance Checking of Information Systems (2021, ▤ SJR Q1). Member of the *Editorial Review Board* of the Special Issue on Process Mining at the Enterprise Level of Business & Information Systems Engineering (BISE, 2020, ▤ SJR Q1). *Associate Editor* of the Special Issue on Blockchain Technologies in Enterprise Modeling and Enterprise Information Systems of the Enterprise Modelling and Information Systems Architectures journal (EMISAJ, 2020).

Presentations and Keynotes

15/10/2024	"*A Taste of the Different Flavors of Tiramisù*" [42] at the Demo Track of the 6th International Conference on Process Mining (ICPM 2024), Copenhagen, Denmark.
03/06/2024	**Keynote**: "*«I'm still / I'm still / Chaining from the Block»: An Outlook of the Ongoing and Future Relationship between Blockchain Technologies and Process-aware Information Systems.*" joint workshop on Blockchain for Information Systems (BC4IS) and Blockchain for Trusted Data Sharing (B4TDS), co-located with with the 36th International Conference on Advanced Information Systems Engineering (CAiSE), Limassol, Cyprus.
13/09/2023	**Keynote**: "*Look but don't touch: On the impalpable bond between blockchain and process*" at the 4th BPM Blockchain Forum, Utrecht, Netherlands.
19/08/2023	**Keynote**: "*Automated reasoning and data analytics for declarative process mining*" at the 2nd Workshop on Process Management in the AI Era (PMAI), co-located with the 32nd International Joint Conference on Artificial Intelligence (IJCAI 2023), Macao S.A.R.
27/10/2022	"*Measurement of rule-based LTLf declarative process specifications*" [48], at the 4th Int. Conference on Process Mining (ICPM 2022), Bolzano, Italy, October 23-28, 2022.
14/09/2022	"*Conformance checking of mixed-paradigm process models*" [15], poster at the 20th Int. Conference on Business Process Management (BPM 2022), Münster, Germany, September 11-16, 2022.
23/07/2022	"*Computing unsatisfiable cores for LTLf specifications*" [50], at the Workshop on Process Management in the AI Era (PMAI 2022) co-located with IJCAI, Vienna, Austria, July 23, 2022.
08/09/2021	"*RuM: Declarative process mining, distilled*" [53], tutorial at the 19th Int. Conference on Business Process Management (BPM), Rome, Italy, 2021, 6-10 September 2021.
11/11/2020	Keynote: "*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.
08/06/2020	"*Business process monitoring on blockchains – Potentials and challenges*" [57] at the 21st International Working Conference on Enterprise, Business-Process and Information Systems Modeling (BP-MDS 2020), co-located with CAiSE, Grenoble, France, 8-9 June 2020.

19/02/2020	"*Towards a process-oriented analysis of blockchain data*" [56] at the 1st Int. Workshop on Conceptual Modeling for Distributed Ledger Technologies (MOD-DLT), co-located with Modellierung, Vienna, Austria, 19 February 2020.
02/09/2019	"*Extracting event logs for process mining from data stored on the blockchain*" [72] 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*" [76] 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*" [26] 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*" [27] 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*" [90] 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*" [79] 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*" [98] ★ **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*" [106] 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*" [104] at the 12th Int. Conference on Business Process Management (BPM 2014), Eindhoven, Netherlands, 7-11 September 2014.
08/09/2014	"*Predictive task monitoring for business processes*" [103] at the 12th Int. Conference on Business Process Management (BPM 2014), Eindhoven, Netherlands, 7-11 September 2014.
30/08/2013	"*Studies on the discovery of declarative control flows from error-prone data*" [108] 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*" [107] 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*" [110] 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*" [111] 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*" [112] 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*" [115] 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*" [117] 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*" [114] at the 2nd Int. ICST Conference on Ambient Media and Systems (AMBI-SYS 2011), Porto, Portugal, March 24-25 2011.

Invited Talks

21/06/2024	"*Declarative process specification mining: discovering and reasoning on temporal-logic rules*", VvL Dutch Logic PhD Day 2024, Vrije Universiteit (VU) Amsterdam, Netherlands.
16/01/2024	"*Formal foundations of process mining: A primer*" at WU Vienna, Austria.
06/02/2023	"*Specification mining and the program from the block*" at Utrecht University, Netherlands.

13/09/2022	"*Recent advances in event log format standardisation – An update from the XES Working Group*", BP-meet-IoT'22, 13 September 2022, Münster, Germany.
04/07/2022	"*Process discovery III: Declarative process mining*", Process Mining Summer School, 4-8 July 2022, Aachen, Germany.
24/01/2022	"*Blockchain: Concepts and applications*", 2nd online school on Smart Data Processing and Systems of Deep Insight, 24-28 January 2022, for the DESTINI H2020 Twinning project, organised by the Cyprus University of Technology, Limassol, Cyprus.
24/11/2021	"*Blockchain and smart contracts: Infrastructure and platforms*", Cyber 4.0 Seminar at Confindustria CONNEXT 2021, Milan, Italy.
12/10/2021	"*Blockchain: Concepts and research directions*" for the DESTINI H2020 Twinning project, organised by the Cyprus University of Technology, Limassol, Cyprus.
02/11/2021	"*Panel: Rethinking the input for process mining*" in the role of moderator at the XES 2.0 Workshop of the 3rd Int. Conference on Process Mining (ICPM 2021), Eindhoven, Netherlands.
09/09/2021	"*Panel: Is process technology ready for rare events?*" in the role of 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.
08/10/2020	"*The process and the blockchain: A story of miners*" at WU Vienna, Austria.
19/07/2019	"*The Process and the blockchain: A story of miners*" at 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 Sapienza University of Rome, Italy.
15/04/2019	"*Declarative specification of processes: Discovery and reasoning*" at Utrecht University, Netherlands.
12/04/2019	"*Declarative specification of processes: Discovery and reasoning*" at the Eindhoven University of Technology, 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 16$^{\text{th}}$ 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.
28/09/2017	"*Logistics data: Analysis, mining, and execution on blockchain*" at the European Supply Chain Forum's Data2Move kick-off meeting, 28-29 September 2017, Eindhoven, Netherlands.
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 processes*" at the Eindhoven University of Technology, Netherlands.

09/12/2013		*"Flight diversion prediction based on event data"* at the Eindhoven University of Technology, Netherlands.

Service

06-09/2023	*Member*	Admission committee for the Ph.D. programme in *Computer Science* (cycle XXXIX) at Sapienza University of Rome
03/21–11/2023	*Coordinator*	Admission committee for the Bachelor's programme in *Applied Computer Science and Artificial Intelligence* at Sapienza University of Rome and liaison for Sapienza with the College Board for Higher Education
11/20–11/2023	*Member*	Didactic committee of the Department of Computer Science at Sapienza University of Rome
03/20–11/2023	*Member*	Scientific Board of the PhD in Computer Science at Sapienza University of Rome

National and International Projects

2022–2023	*Research unit head*	PRIN research project *"exPlaInable kNowledge-aware PrOcess INTelligence (PINPOINT)"*, grant number (CUP) B87G22000450001 with the Department of Computer Science of Sapienza University of Rome, Italy. Total funding: 794 578 € (Sapienza: 182 809 €).
2022–2023	*Research unit head*	Cyber 4.0 competence centre research project *"Blockchain register for Import Export (BRIE)"*, core pillar framework, with the Department of Computer Science of Sapienza University of Rome, Italy. Total funding: 179 000 € (Sapienza: 32 000 €).
2023	*Co-principal investigator*	PRIN research project *"Panacea: A Model-Based Framework for Self-Protecting Systems"*, grant number (CUP) B53D23013280006 with the Department of Computer Science of Sapienza University of Rome, Italy. Total funding: 238 203 € (Sapienza: 78 559 €).
2023	*Co-principal investigator*	Sapienza research project *"ASGARD: Autonomous and Self-Governing Agent-Based Rule Design"* with the Department of Computer Science of Sapienza University of Rome, Italy. Funding: 47 500 €.
2022–	*Project coordinator Scientific advisor*	Lazio research and innovation project – incentives for innovative doctoral programs for enterprises and the PA *"Predictive process monitoring for production planning"*, grant number (CUP) B83C22004050009 with the Department of Computer Science of Sapienza University of Rome, Italy. Funding: 72 995 €.
2022–2023	*Faculty investigator*	Sapienza research project *"Distributed Ledger and Credit Guarantee Schemes"* with the Departments of Computer Science and Management of Sapienza University of Rome, Italy. Funding: 33 890 €.
2022–2023	*Faculty investigator*	Sapienza research project *"Drones as a Service for First Emergency Response"* with the Department of Computer Science of Sapienza University of Rome, Italy. Funding: 45 000 €.
2022	*Faculty host*	Research visit program at the Department of Computer Science of Sapienza University of Rome, Italy, hosting Prof. Hajo A. Reijers. Total funding: 9000 €.
2021–2023	*Faculty investigator*	Sapienza research project *"Secure and Privacy-preserving Protocols for Automatic Contact Tracing (SPECTRA)"* with the Department of Computer Science of Sapienza University of Rome, Italy. Funding: 42 000 €.
2021	*Faculty host*	Research visit program with the Department of Computer Science of Sapienza University of Rome, Italy, hosting Dr. Artem Polyvyanyy. Total funding: 5000 €.
2017–2019	*Work package leader*	Austrian Research Promotion Agency (FFG) research project *"Cyber-Physical Social Systems for City-wide Infrastructures"* (CitySPIN), grant number 861213, with WU Vienna, Austria. Total funding: 628 000 € (WU: 167 000 €). Lead of Work Package 5 (*"Process Mining and Monitoring on Linked Data"*).
2015–2019	*Work package leader*	EU H2020 Marie Skłodowska-Curie research project *"Propelling Business Process Management by Research and Innovation Staff Exchange"* (RISE_BPM), grant number 645751, with WU Vienna, Austria. Total funding: 855 000 € (WU: 252 000 €). ⊕ cordis.europa.eu/project/id/645751 Lead of Work Package 8 (*"Synthesis of IT artifacts: BPM implementation"*).

2019	*Research partner*	Austrian Research Promotion Agency (FFG) Competence Centers for Excellent Technologies (COMET) "*Austrian Blockchain Center (ABC)*", Area 2 (Cryptoeconomic Modelling & Blockchain Applications for Business), with WU Vienna, Austria. 🌐 `blockchain-center.at`
2017–2018	*Research staff member*	Austrian Research Promotion Agency (FFG) research project "*Business Process Optimization Toolkit*", grant number 862950, with WU Vienna, Austria.
2014–2017	*Research staff member*	Austrian Research Promotion Agency (FFG) research project "*Safety-critical Human- and dAta-centric Process management in Engineering projects*" (SHAPE), grant number 861213, with WU Vienna, Austria. 🌐 `ai.wu.ac.at/shape-project`
2013–2015	*Research staff member*	EU FP7-ICT research project "*European Wide Service Platform for Green European Transportation*" (GET Service), grant number 318275, with WU Vienna, Austria. 🌐 `cordis.europa.eu/project/id/318275`
2008–2011	*Research staff member*	EU FP7-ICT research project "*Smart Homes for All*" (SM4All), grant number 224332, with Sapienza University of Rome, Italy. 🌐 `sm4all-project.eu`
2007–2008	*Research assistant*	"*Re-engineered Province Bureaus [Uffici Provinciali Reingegnerizzati]*" (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	*Research technician*	EU FP6 "*DELOS Network of Excellence on Digital Libraries*", with Sapienza University of Rome, Italy. 🌐 `delosw.isti.cnr.it`
2018	*Referee*	Register of Scientific Experts (REPRISE), Fundamental Research section, set up at the Italian Ministry of Education, University and Research
2018	*Referee*	The Netherlands' research council for the Engineering and Applied Sciences (NWO/TTW)
2017	*Referee*	Italian Research Projects of National Relevance (PRIN)

Technological Transfer and Entrepreneurship

04/2022	Co-founder of BB-Smile S.r.l., start-up of Sapienza University of Rome and University of Molise, Italy 🌐 `bb-smile.net/`
02/2009	Co-founder and R&D (from 2009 to 2012) of EXALTECH S.r.l., Software and IT company, Italy

National and International Appointments

04/2024	*Lecturer*	"*Latinoamerican School on Process Variability and Mining*", Montevideo, Uruguay
09/2023	*Academic co-director Co-organiser*	"*Challenges in building Billion Users Cloud Applications*" (BUCA'23) Summer School, Varenna, Italy
09/2023	*Co-organiser*	"*Human in the (Process) Mines*", Dagstuhl Seminar 23271, Wadern, Germany
12/22–03/2023	*Lecturer*	"*Blockchain*" Cyber 4.0 Advanced Training Course for the Automotive Industry, Rome, Italy
11/22–05/2023	*Lecturer*	"*Girls for Green Technology Applications*" (G4GRETA) course for girls enrolled in high schools, Sapienza University of Rome, Italy
07/2022	*Lecturer*	"*Process Mining Summer School*", Aachen, Germany
06/2022	*Academic co-director Co-organiser*	"*Challenges in building Billion Users Cloud Applications*" (BUCA'22) Summer School, Bertinoro, Italy
04/2022	*Lecturer*	"*Designing Blockchain-based Applications*", Master in Service Design, POLI.design, Milan, Italy
01–03/2022	*Committee member*	Examination board for recruitment procedure C05 at the Chamber of Deputies, Rome, Italy
04/2020	*Lecturer*	"*Process Mining*" PhD Course, University of Calabria, Rende, Italy
07/2019	*Lecturer*	"*Blockchain: Applications and Security*" Cyber Security PhD Summer School 2019, Voore, Estonia
02–06/2019	*Academic director Lecturer*	"*Blockchain – Transforming Business*" course of the WU Executive Academy programme, Vienna, Austria

08–10/2018	*Visiting researcher*	School of Computing and Information Systems at the University of Mebourne, VIC, Australia	
10/17–02/2019	*Lecturer*	"*Data Science*" course of the WU Executive Academy programme, Vienna, Austria	
01–03/2017	*Visiting researcher*	Information Systems School, Science and Engineering Faculty at the Queensland University of Technology, Brisbane, QLD, Australia	
08–09/2016	*Visiting researcher*	Applied Informatics Department at the Federal University of the State of Rio de Janeiro, Brazil	
10/2014	*Guest lecturer*	"*Process Analysis and Mining*" course at Faculty of Economics of the University of Ljubljana, Slovenia	
09/2012	*Guest lecturer*	School on Complex Software Systems Design for CINI-Finmeccanica, Rome, Italy	

Teaching Experience

09/24–	*Lecturer*	"*Data Modelling*" (40%) [EN] at Utrecht University	(B.Sc., 7.5 ECTS)
05/24–	*Lecturer*	"*Process Modelling*" (40%) [EN] at Utrecht University	(B.Sc., 7.5 ECTS)
02/24–09/2024	*Lecturer*	"*Software Architectures*" (40%) [EN] at Utrecht University	(M.Sc., 7.5 ECTS)
10/22–09/2024	*Lecturer*	"*Blockchain and Distributed Ledger Technologies*" [EN] at Sapienza	(M.Sc., 6 ECTS)
02/22–03/2024	*Lecturer*	"*Artificial Intelligence and Machine Learning, Unit 1*" [EN] at Sapienza	(B.Sc., 6 ECTS)
10/22–12/2023	*Lecturer*	"*Introduction to Programming and Laboratory*" [EN] at Sapienza	(B.Sc., 6 ECTS)
02/20–03/2023	*Lecturer*	"*Computer Architectures*" [IT] at Sapienza	(B.Sc., 6 ECTS)
10/20–09/2022	*Lecturer*	"*Blockchain Technologies*" [EN] at Sapienza	(M.Sc., 6 ECTS)
10/20–09/2021	*Lecturer*	"*Programming*" [EN] at Sapienza	(B.Sc., 6 ECTS)
10/20–09/2021	*Lecturer*	"*Business Intelligence*" (50%) [EN] at Sapienza	(M.Sc., 3 ECTS)
02/20–03/2021	*Lecturer*	"*Algorithm Design (Lab.)*" [IT] at Sapienza	(B.Sc., 3 ECTS)
02/19–09/2020	*Lecturer*	"*Business Process Management*" [EN] at WU Vienna	(M.Sc., 4 ECTS)
10/19–11/2019	*Lecturer*	"*Applications of Data Science*" [EN] at WU Vienna	(B.Sc., 4 ECTS)
10/18–11/2019	*Lecturer*	"*Formal Foundations of Business Process Modelling*" [EN] at WU Vienna	(M.Sc., 4 ECTS)
02/19–09/2019	*Lecturer*	"*Seminars in Blockchains and Processes*" [EN] at WU Vienna	(B.Sc., 4 ECTS)
10/17–01/2019	*Lecturer*	"*Process Implementation*" [EN] at WU Vienna	(B.Sc., 4 ECTS)
02/18–09/2018	*Lecturer*	"*Blockchain Applications of Data Science*" [EN] at WU Vienna	(B.Sc., 4 ECTS)
10/17–01/2018	*Lecturer*	"*Business Process Analytics*" [EN] at WU Vienna	(M.Sc., 4 ECTS)
02/16–09/2017	*Lecturer*	"*Formal Foundations of System Analysis*" [DE] at WU Vienna	(B.Sc., 4 ECTS)
10/14–01/2016	*Lecturer*	"*Process-oriented Systems Analysis*" (50%) [EN] at WU Vienna	(B.Sc., 4 ECTS)
02/09–09/2013	*Tutor*	"*Service-Oriented Architectures*" [IT] at Sapienza	(M.Sc., 6 ECTS)
02/09–09/2013	*Tutor*	"*Seminars in Software and Services*" [EN] at Sapienza	(M.Sc., 1 ECTS)
02/05–09/2008	*Tutor*	"*Software Design*" [IT] at Sapienza	(B.Sc., 5 ECTS)

Supervision

Advisor	Advisor for **5 Ph.D. students** at Sapienza University of Rome, Italy, formerly co-advisor for **1 Ph.D. student** daily advisor for **3 Ph.D. students** at WU Vienna, Austria, and external advisor for **1 Ph.D. student** at Sapienza University of Rome, Italy. Published papers co-authored with the Ph.D. students: [1, 7, 9, 10, 11, 20, 27, 41, 40, 39, 38, 45, 44, 49, 48, 47, 51, 61, 64, 74, 67, 70, 71, 73, 75, 101, 102, 105].
Supervisor	**11 theses** for the **Master of Science** in **Computer Science**, **1 thesis** for the **Master of Science** in **Cybersecurity**, **3 theses** for the **Master of Science** in **Economics and communication for management and innovation**, **2 theses** for the Bachelor of Science in **Applied Computer Science and Artificial Intelligence**, **14 theses** for the Bachelor of Science in **Computer Science** at Sapienza University of Rome, Italy, **1 thesis** for the **Bachelor of Science** in **Information Science** at Utrecht University, Netherlands, and **14 theses** for the Bachelor of Science in **Information Business** at WU Vienna, Austria. Published papers co-authored with the Bachelor and Master students: [29, 39, 52, 88, 92].

Co-supervisor	**4 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 Sapienza University of Rome, Italy. Published papers co-authored with the Master students: [34, 39, 59, 62, 58, 72, 76, 109, 114].
Examiner	Two **Ph.D.** defenses in **Computer Science** at the University of Copenhagen, Denmark (2021, 2024), a Ph.D. of the **School of Information and Communication Technology** at Griffith University, Australia (2024), a Ph.D. in **Computer Science and Mathematics** at the University of Camerino, Italy (2023), and a Ph.D. in **Computer Science and Engineering** at the University of Seville, Spain (2022); **8 theses** for the Master of Science in **Computer Science** at Sapienza University of Rome, Italy, **1 thesis** for the **Bachelor of Science** in **Information Science** at Utrecht University, Netherlands, and **1 thesis** for the Master of Science in **Computer Science** at the University of Padua, Italy.

Languages

Italian	Mother tongue
English	C1/2 (CAE, 2013); Teaching in English Advanced (Utrecht University, 2024)
German	B1/2

Publication Metrics

H-index	36 (Google Scholar)	29 (Scopus)	**AW-index**	34.80 (Google Scholar)	25.87 (Scopus)
Citations	5343 (Google Scholar)	2969 (Scopus)	**Avg. citations**	43.09 (Google Scholar)	26.99 (Scopus)
i10-index	82 (Google Scholar)	60 (Scopus)	**M-index**	2.40 (Google Scholar)	1.93 (Scopus)

Latest update: 10/12/2024. Measures computed via Publish or Perish.

Scholar Profiles

Google Scholar	OBwQoWsAAAAJ	ORCiD	0000-0001-5570-0475
Scopus	35193494400	ResearchGate	Claudio_Di_Ciccio
DBLP	18/10493	Semantic Scholar	3027667

Twelve Selected Publications

1. Claudio Di Ciccio and Marco Montali. "Declarative Process Specifications: Reasoning, Discovery, Monitoring". In: *Process Mining Handbook*. Springer, 2022, pp. 108–152. DOI: 10.1007/978-3-031-08848-3_4 [36].
2. Alessio Cecconi, Luca Barbaro, Claudio Di Ciccio, and Arik Senderovich. "Measuring rule-based LTLf process specifications: A probabilistic data-driven approach". In: *Information Systems* (2024), p. 102312. DOI: 10.1016/j.is.2023.102312 SJR Q1 JCR I.F 3.7 [1].
3. 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 [26].
4. 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 [32].
5. Marco Roveri, Claudio Di Ciccio, Chiara Di Francescomarino, and Chiara Ghidini. "Computing Unsatisfiable Cores for LTLf Specifications". In: *J. Artif. Intell. Res.* (2024), pp. 517–558. DOI: 10.1613/jair.1.15313 SJR Q1 JCR I.F 4.5 [2].
6. 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 [27].
7. Claudio Di Ciccio, Giovanni Meroni, and Pierluigi Plebani. "On the adoption of blockchain for business process monitoring". In: *Software and Systems Modeling* 3 (2022), pp. 915–937. DOI: 10.1007/s10270-021-00959-x SJR Q2 JCR I.F 1.910 [13].
8. 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 [28].
9. 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 [25].
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 [31].
11. 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 [19].
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 [23].

Full List of Publications

Journal Articles

[1] Alessio Cecconi, Luca Barbaro, Claudio Di Ciccio, and Arik Senderovich. "Measuring rule-based LTLf process specifications: A probabilistic data-driven approach". In: *Information Systems* 120 (2024), p. 102312. DOI: 10.1016/j.is.2023.102312. ▤ SJR Q1. ▥ JCR I.F 3.7.

[2] Marco Roveri, Claudio Di Ciccio, Chiara Di Francescomarino, and Chiara Ghidini. "Computing Unsatisfiable Cores for LTLf Specifications". In: *J. Artif. Intell. Res.* 80 (2024), pp. 517–558. DOI: 10.1613/jair.1.15313. ▤ SJR Q1. ▥ JCR I.F 4.5.

[3] Anti Alman, Alessio Arleo, Iris Beerepoot, Andrea Burattin, Claudio Di Ciccio, and Manuel Resinas. "Tiramisù: making sense of multi-faceted process information through time and space". In: *Journal of Intelligent Information Systems* (2024), pp. 1–21. DOI: 10.1007/s10844-024-00875-8. ▤ SJR Q2. ▥ JCR I.F 2.3.

[4] Silvia Miksch, Claudio Di Ciccio, Pnina Soffer, and Barbara Weber. "Visual Analytics Meets Process Mining: Challenges and Opportunities". In: *IEEE Computer Graphics and Applications* (2024). DOI: 10.1109/MCG.2024.3456916. ▥ JCR I.F 1.9.

[5] Paolo Bottoni, Claudio Di Ciccio, Remo Pareschi, Domenico Tortola, Nicola Gessa, and Gilda Massa. "Blockchain-as-a-service and blockchain-as-a-partner: Implementation options for supply chain optimization". In: *Blockchain: Research and Applications* (2023), p. 100119. DOI: https://doi.org/10.1016/j.bcra.2022.100119. ▤ SJR Q1.

[6] Iris Beerepoot, Claudio Di Ciccio, Hajo A. Reijers, Stefanie Rinderle-Ma, Wasana Bandara, Andrea Burattin, Diego Calvanese, Tianwa Chen, Izack Cohen, Benoît Depaire, Gemma Di Federico, Marlon Dumas, Christopher van Dun, Tobias Fehrer, Dominik A. Fischer, Avigdor Gal, Marta Indulska, Vatche Isahagian, Christopher Klinkmüller, Wolfgang Kratsch, Henrik Leopold, Amy Van Looy, Hugo Lopez, Sanja Lukumbuzya, Jan Mendling, Lara Meyers, Linda Moder, Marco Montali, Vinod Muthusamy, Manfred Reichert, Yara Rizk, Michael Rosemann, Maximilian Röglinger, Shazia Sadiq, Ronny Seiger, Tijs Slaats, Mantas Simkus, Ida Asadi Someh, Barbara Weber, Ingo Weber, Mathias Weske, and Francesca Zerbato. "The biggest business process management problems to solve before we die". In: *Computers in Industry* 146 (2023), p. 103837. DOI: https://doi.org/10.1016/j.compind.2022.103837. ▤ SJR Q1. ▥ JCR I.F 11.24.

[7] Dina Bayomie, Claudio Di Ciccio, and Jan Mendling. "Event-case correlation for process mining using probabilistic optimization". In: *Information Systems* 114 (2023), p. 102167. DOI: 10.1016/j.is.2023.102167. ▤ SJR Q1. ▥ JCR I.F 3.7.

[8] Jörg Becker, Friedrich Chasin, Michael Rosemann, Daniel Beverungen, Jennifer Priefer, Jan vom Brocke, Martin Matzner, Adela del Rio Ortega, Manuel Resinas, Flavia Santoro, Minseok Song, Kangah Park, and Claudio Di Ciccio. "City 5.0: Citizen involvement in the design of future cities". In: *Electronic Markets* 33.10 (2023). DOI: 10.1007/s12525-023-00621-y. ▤ SJR Q1. ▥ JCR I.F 6.378.

[9] Davide Basile, Claudio Di Ciccio, Valerio Goretti, and Sabrina Kirrane. "Blockchain based resource governance for decentralized web environments". In: *Frontiers in Blockchain* 6 (2023), p. 1141909. DOI: 10.3389/fbloc.2023.1141909. ▥ JCR I.F 3.1.

[10] 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* 28.8 (2022), pp. 3050–3068. DOI: 10.1109/TVCG.2021.3050071. ▤ SJR Q1. ▥ JCR I.F 4.579.

[11] Alessio Cecconi, Giuseppe De Giacomo, Claudio Di Ciccio, Fabrizio Maria Maggi, and Jan Mendling. "Measuring the interestingness of temporal logic behavioral specifications in process mining". In: *Information Systems* 107 (2022), p. 101920. DOI: 10.1016/j.is.2021.101920. ▤ SJR Q1. ▥ JCR I.F 3.7.

[12] Jorge Munoz-Gama, Niels Martin, Carlos Fernandez-Llatas, Owen A. Johnson, Marcos Sepúlveda, Emmanuel Helm, Victor Galvez-Yanjari, Eric Rojas, Antonio Martinez-Millana, Davide Aloini, Ilaria Angela Amantea, Robert Andrews, Michael Arias, Iris Beerepoot, Elisabetta Benevento, Andrea Burattin, Daniel Capurro, Josep Carmona, Marco Comuzzi, Benjamin Dalmas, Rene de la Fuente, Chiara Di Francescomarino, Claudio Di Ciccio, Roberto Gatta, Chiara Ghidini, Fernanda Gonzalez-Lopez, Gema Ibanez-Sanchez, Hilda B. Klasky, Angelina Prima Kurniati, Xixi Lu, Felix Mannhardt, Ronny Mans, Mar Marcos, Renata Medeiros de Carvalho, Marco Pegoraro, Simon K. Poon, Luise Pufahl, Hajo A. Reijers, Simon Remy, Stefanie Rinderle-Ma, Lucia Sacchi, Fernando Seoane, Minseok Song, Alessandro Stefanini, Emilio Sulis, Arthur H.M. ter Hofstede, Pieter J. Toussaint, Vicente Traver, Zoe Valero-Ramon, Inge van de Weerd, Wil M.P. van der Aalst, Rob Vanwersch, Mathias Weske, Moe Thandar Wynn, and Francesca Zerbato. "Process mining for healthcare: Characteristics and challenges". In: *Journal of Biomedical Informatics* 127 (2022), p. 103994. DOI: 10.1016/j.jbi.2022.103994. ▤ SJR Q1. ▥ JCR I.F 6.317.

[13] Claudio Di Ciccio, Giovanni Meroni, and Pierluigi Plebani. "On the adoption of blockchain for business process monitoring". In: *Software and Systems Modeling* 21.3 (2022), pp. 915–937. DOI: 10.1007/s10270-021-00959-x. ⊟ SJR Q2. ⠿ JCR I.F 1.910.

[14] 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.

[15] 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 Q1. ⠿ JCR I.F 3.180.

[16] 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.

[17] Christian Janiesch, Agnes Koschmider, Massimo Mecella, Barbara Weber, Andrea Burattin, Claudio Di Ciccio, Giancarlo Fortino, Avigdor Gal, Udo Kannengiesser, Felix Mannhardt, Andrea Marrella, Jan Mendling, Andreas Oberweis, Manfred Reichert, Stefanie Rinderle-Ma, Estefanía Serral, 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.

[18] 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.

[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* 84 (2019), pp. 283–298. DOI: 10.1016/j.is.2018.06.007. ⊟ SJR Q1. ⠿ JCR I.F 2.466.

[20] 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.

[21] 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.

[22] 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.

[23] 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.

[24] 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.

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