



Call for Papers and Announcement ICPM 2022

4th International Conference on Process Mining

Bozen-Bolzano, Italy, October 23-28, 2022

Additional information about the conference will be
published via

<https://icpmconference.org/2022/>

Important dates:

Abstract submission	June 10, 2022 (*)
Submission of Papers	June 17, 2022 (*)
Notification	August 1, 2022
Camera-ready	September 7, 2022 (*)
PhD Consortium	October 23, 2022
Workshops	October 24, 2022
Industry Day	October 26, 2022
Main Conference	October 25, 27-28 2022

(*) The deadline is the end of day Anywhere on Earth (AoE)

The **4th International Conference on Process Mining** will take place in a full week from **October 23 to October 28, 2022**, and is organized by the **KRDB Research Centre for Knowledge of Data** of the **Faculty of Computer Science** at the **Free University of Bozen-Bolzano, Italy**. The language of the conference is English, and its proceedings will be published by the **IEEE Computational Intelligence Society**. Papers presenting new methodologies, techniques and applications for process mining, as well as case studies coming from industrial scenarios are expected. Also, papers describing novel tools, fundamental research and empirical studies on process mining are sought. **Selected** accepted research papers will be considered for publication in an extended and revised form in a special issue of **Information Systems (Elsevier)**.

Process mining techniques:

- Automated Discovery of Process Models
- Conformance/compliance Analysis
- Construction of Event Logs
- Event Log Quality Improvement
- Decision Mining for Processes
- Rule/constraint-based Process Mining
- Mining from non-process-aware systems / event streams
- Multi-perspective Process Mining
- Simulation/optimization for Process Mining
- Predictive Process Analytics
- Prescriptive Process Analytics and Recommender Systems
- Responsible Process Mining
- Privacy-preserving Process Mining
- Process Model Repair
- Process Performance Mining
- Variants/deviance Analysis and Root-cause Analysis
- Visual Process Analytics
- Process Monitoring

Process mining fundamental research:

- Formal Foundations of Process Mining
- Comparative and Benchmark Studies on Process Mining
- Conceptual Models Related to Process Mining
- Human-centered Studies on Process Mining
- Process Mining Quality Measures
- Process Mining Guidelines

Process mining applications and case studies in:

- Artificial Intelligence
- Blockchain Technologies
- Robotic Process Automation (RPA)
- Business Activity Monitoring and Business Intelligence
- (Cyber) Security and Privacy
- Operations Management and Lean Six Sigma
- Process Performance Measurement
- Process Reengineering
- Resource Management
- Risk Management
- Sensors, Internet-of-Things (IoT) and Wearable Devices
- Specific domains (such as accounting, finance, government, healthcare, manufacturing)



Paper Submission:

- **Regular papers.** Submissions must be original contributions that have not been published previously, nor submitted elsewhere while being submitted to ICPM 2022. All files must be prepared using the latest IEEE Computational Intelligence Society conference proceedings guidelines (8.5" × 11" two-column format). The page limit is set to 8 pages (IEEE Format). All papers must be in English. Templates are available for Latex and Word here. The paper should be submitted through the following link: <https://easychair.org/conferences/?conf=icpm2022> selecting the "Research Track" option.
- **Demo abstracts.** The extended abstract should be submitted through the ICPM 2022 submission system, which is reachable at <https://easychair.org/conferences/?conf=icpm2021> where one should select "ICPM Demo Track". Demo abstracts must be no longer than 2 pages in PDF format and must adhere to the guidelines of IEEE Computational Intelligence Society, using the 8.5" × 11" two-column format. Templates are available for Latex and Word: <https://www.ieee.org/conferences/publishing/templates.html>. Accepted submissions will be published as CEUR proceedings. All demo submissions will be reviewed by the demo reviewing committee. The reviewing committee will also vote on the best demo to be granted the ICPM 2022 Best Demo Award.

Industry Day:

The ICPM Industry Day takes place on Wednesday and serves as a forum that brings together industry and academia to exchange ideas and experiences, and stimulate mutual cooperation. The target audience for that day includes business analysts, process managers, chief information officers, chief operations officers, digital transformation managers, project managers, process consultants, and industrial researchers.

Workshops take place on Monday. Workshops facilitate the exchange of ideas and experiences among active researchers and vendors, and stimulate discussions on new and emerging perspectives in Process Mining. All workshop papers will be published by Springer as a post-workshop proceedings volume in the series Lecture Notes in Business Information Processing (LNBIP).

Doctoral Consortium:

PhD students working in the area of Process Mining are invited to submit their proposals for participation in a Doctoral Consortium, which will be held on Sunday, October 23, 2022. The manuscript must be written in English and prepared using the latest IEEE Computational Intelligence Society conference proceedings guidelines (8.5" × 11" two-column format). The manuscript should not exceed the length of 2 pages and should be submitted (as a PDF file) by midnight (AoE) by September 02, 2022 via the ICPM 2022 website on EasyChair ("Doctoral Consortium" track). The accepted manuscripts will be published on a volume of CEUR-WS proceedings.

Registration:

- **Full registration:** early bird (until 15/08/2022) 450€; late 600€.
- **Student registration:** early bird (until 15/08/2022) 300€; late 400€.
- **Industry day only:** 150€.
- **Workshop day only:** 200€.

Organization

Program Chairs

Andrea Burattin,
Technical University of Denmark, Denmark
andbur@dtu.dk
Artem Polyvyanyy, The University of Melbourne, Australia
artem.polyvyanyy@unimelb.edu.au
Barbara Weber, University of St. Gallen, Switzerland
barbara.weber@unisg.ch

Industry Chairs

Laura Henkel,
Zalando SE, Germany
Jan Mendling, Humboldt-Universität zu Berlin, Germany
jan.mendling@hu-berlin.de

Workshop Chairs

Matthias Weidlich, Humboldt-Universität zu Berlin, Germany
matthias.weidlich@hu-berlin.de
Arik Senderovich, York University, Canada
sariks@yorku.ca

General Chair

Marco Montali, Free University of Bozen-Bolzano
montali@inf.unibz.it

Demo Chairs

Marco Comuzzi, Ulsan National Institute of Science and Technology, Korea
mcomuzzi@unist.ac.kr
Fabrizio M. Maggi, Free University of Bozen-Bolzano, Italy
maggi@inf.unibz.it
Luise Pufahl, Technische Universität Berlin, Germany
luise.pufahl@tu-berlin.de

Doctoral Consortium Chairs

Agnes Koschmider, Kiel University, Germany
ak@informatik.uni-kiel.de
Marwan Hassani, Eindhoven University of Technology, the Netherlands
m.hassani@tue.nl

Publicity Chairs

Cristina Cabanillas, University of Seville, Spain
cristinacabanillas@us.es
Jorge Munoz-Gama, Pontificia Universidad Católica de Chile, Chile
jmun@uc.cl
Anna Kalenkova, University of Adelaide, Australia
anna.kalenkova@adelaide.edu.au

