

***[CfP] 5th Workshop on Collaboration Mining for Distributed Systems (COMINDS) at
ICPM 2027***

Call for Papers: 5th Workshop on Collaboration Mining for Distributed Systems (COMINDS) at the 8th International Conference on Process Mining (ICPM 2027). February 8th, 2027 University of Calabria, Rende, Italy.

The Fifth Workshop on Collaboration Mining for Distributed Systems (COMINDS 2027 <https://cominds-ws.github.io/>) aims to facilitate the sharing of research findings, ideas, and experiences on new process mining techniques and practices for analyzing collaboration processes. Process mining is a powerful tool for analyzing business processes carried out by one participant. However, it lacks approaches able to deal with the analysis of collaboration processes implemented by many participants in a distributed system, e.g., supply chains involving manufacturers, producers, and retailers; healthcare scenarios involving patients, hospitals, and doctors; or even multi-agent systems and smart systems like multi-robot and IoT systems. Confidentiality, privacy, data heterogeneity, and case correlation are only a few of the issues related to these scenarios. At the same time, object-centric process mining extends the analysis to the interactions and dependencies between different objects across organizations. This is particularly important in inter-organizational process mining, where data is often spread across different domains with varying formats, structures, and privacy concerns. It helps to uncover hidden inefficiencies, bottlenecks, and coordination issues that arise when multiple entities are involved in a shared process.

To bridge this gap, specialized discovery algorithms, conformance techniques, and enhancement approaches are required. In this direction, the workshop points to creating a dialogue centered on the development of scientific foundations enabling the application of collaboration mining for distributed systems.

The main topics relevant to the COMINDS workshop include, but are not limited to:

- Generation of Synthetic Distributed Event Logs
- Distributed Event Logs Preprocessing
- Correlation Mechanisms for Distributed Event Logs
- Discovery of Collaborative Process Models
- Conformance Metrics and Techniques for Collaborative Process Models
- Multi-perspective Analysis of Collaborative Processes
- Privacy-preserving Process Mining for Distributed Systems
- Distributed Systems Monitoring and Repair
- Federated Process Mining
- Streaming Collaboration Mining
- Object-centric Process Mining for Distributed Systems
- AI, Agentics and Generative AI for Collaboration Mining
- Compliance, ethics, normative and laws in Collaboration Mining
- Services, Micro-services and architectures for Collaboration Mining

Important Dates

- *Author Abstract Submission*: November 11, 2026 (AoE)
- *Author Paper Submission*: November 18, 2026 (AoE)
- *Author Paper Acceptance Notification*: December 21, 2026 (AoE)
- *Author Pre-workshop Camera-Ready Papers*: January 21, 2027 (AoE)
- *Workshops*: February 8, 2027
- *Post-workshop Camera-Ready Papers*: February 22, 2027

Submissions

The workshop welcomes submissions of regular full papers, abstracts, and posters.

Regular papers must be original contributions not published or submitted to other conferences or journals in parallel with this workshop. Submissions must use the Springer LNCS/LNBIP [format](#). Submissions must be in English and cannot exceed 12 pages (including tables, figures, the bibliography, and appendices). Accepted papers will be published by Springer as a post-workshop proceedings volume in the series Lecture Notes in Business Information Processing (LNBIP). At least one author of each accepted paper must register and participate in the workshop. Please visit the main conference website (<https://icpmconference.org/2027/>) for more information.

Abstracts and posters could be ongoing research or non-research contributions such as case studies, experiences, lessons learned from projects, industry showcases, and software tool demonstrations significant for the workshop theme. Abstracts and poster presentations will take place in an interactive and participation-encouraging format based on the number and nature of the accepted contributions. Authors must submit max 2 pages for abstracts using the Springer LNCS/LNBIP format, or 1 page A0 for posters. Abstracts and posters will be uploaded to the workshop website.

At least one author of each accepted abstract and poster must register and participate in the workshop.

Organizers:

- Andrea Delgado, Universidad de la República, Uruguay
- Sara Pettinari, Gran Sasso Science Institute, L'Aquila, Italy
- Mahsa Pourbafrani, RWTH Aachen University, Germany
- Mathias Weske, Hasso-Plattner-Institut, Germany