

# Preface to the ICPM 2025 Doctoral Consortium and Demo Track

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This volume contains the papers presented at the Doctoral Consortium and the Demonstration Track of the 7th International Conference on Process Mining (ICPM 2025), organised by Universidad de la República in Montevideo, Uruguay.

The Doctoral Consortium aims to provide valuable feedback on students' research topics, directions, methods and plans; to help doctoral candidates pitch their research ideas to peers and senior researchers; and to foster the development of a community of emerging scholars in process mining. Each of the eight submitted research proposals was evaluated by three members of the program committee, who provided valuable input to the candidates. As all submissions aligned well with the goals of the consortium, all eight doctoral candidates were invited to participate. The proposals presented at this year's Doctoral Consortium covered a broad range of process mining topics, from applied research in healthcare and organizational improvement to methodological advances in federated, stochastic, adaptive, and object-centric process mining. During the consortium, the doctoral candidates attended a keynote on research methods in BPM and process mining, presented and discussed their ongoing work with mentors, participated in a 3-Minute Thesis contest, and engaged in a final roundtable on doing a PhD.

The Demonstration Track is intended to showcase innovative Process Mining tools and applications that may originate either from research initiatives or from industry. In this edition, the track received 16 submissions, of which 11 were accepted. The tools presented addressed several different topics. These topics include areas such as event log generation, selection, and management; modeling and verification of process representations; multi-perspective visualizations of process models and visual analytics to support conformance checking tasks; no-code and web-based platforms for data preparation and analysis; and the integration of neuro-symbolic and multi-perspective approaches for predictive monitoring.

The organizers of the Doctoral Consortium and the Demonstration Track wish to express their sincere gratitude to all individuals, institutions, and sponsors who contributed to the success of ICPM 2025. In particular, we thank all the people who submitted papers, the Doctoral Consortium mentors for their dedicated feedback and guidance, and the Program Committee members of both tracks for their valuable work in reviewing the submissions.

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