Preface to the ICPM 2022 Doctoral Consortium and Tool Demonstration Track

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This volume contains the papers presented at the Doctoral Consortium and the Tool Demonstration Track of the 5th International Conference on Process Mining (ICPM 2023), organised by Sapienza Università di Roma, Italy.

The Doctoral Consortium aims to provide valuable feedback on students' research topics, directions, methods and plans, to help students pitch their research ideas to peers in the research community, to promote the development of a community of scholars that will help students in their future careers, and to introduce new scholars to the process mining research community and provide opportunities to meet and interact with experienced researchers. Each of the 17 received submissions has been evaluated by at least two members of the program committee. As a result, 13 students' research proposals were accepted. The topics covered by these proposals tackle open process mining challenges from different perspectives, ranging from process analytics, Robotic Process Automation, object-centric process mining, digital twins to task mining. The PhD students and senior researchers discussed the presented projects, their directions, methods and plans. In three round tables, the students were encouraged to give sharp elevator-pitch answers to concrete questions related to their research.

The Tool Demonstration Track is intended to showcase innovative Process Mining tools and applications that may originate either from research initiatives or from industry. The track received 28 submissions, of which 21 were accepted. In this edition, a wide array of tools addressing various topics were presented, including, among others, object-centric process mining, event log generation, simulation, and predictive and prescriptive process monitoring. The contributions demonstrate the commitment of the research community to implementing practical applications and tools in process mining and to enabling the dissemination and use of valuable research outcomes to address concrete organisational and societal challenges.

The organisers of the Doctoral Consortium and the Tool Demonstration Track want to express their gratitude to all individuals, institutions, and sponsors supporting ICPM 2023. Special thanks go to the Program Committees member whose contributions made the tracks a success.

ICPM Doctoral Consortium and Demo Track 2023

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Tool Demonstration Track

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