

# Preface to the ICPM 2021 Doctoral Consortium and Tool Demonstration Track

Mieke Jans<sup>a</sup>, Gert Janssenswillen<sup>a</sup>, Anna Kalenkova<sup>b</sup> and Fabrizio Maria Maggi<sup>c</sup>

<sup>a</sup>*UHasselt, Faculty of Business Economics, 3500 Hasselt, Belgium*

<sup>b</sup>*The University of Melbourne, School of Computing and Information Systems, Carlton, VIC 3053, Australia*

<sup>c</sup>*Free University of Bozen-Bolzano, Faculty of Computer Science, 39100 Bolzano, Italy*

This volume contains the papers presented at the Demonstration Track and Doctoral Consortium of the 3rd International Conference on Process Mining (ICPM 2021), organized by the Technical University of Eindhoven, The Netherlands.

The Doctoral Consortium pursues the objectives to provide valuable feedback and guidance to PhD students from experienced researchers, and to promote the development of a community of scholars including both peers and mentors for future careers. Each of the 11 received submissions has been evaluated by the committee. As a result, 9 students' research proposals were accepted. The topics covered by these proposals tackle open process mining challenges from different perspectives, spanning over robotic process automation, conformance checking, process performance, process discovery, to uncertain event data. The PhD students and senior researchers discussed the presented projects, their directions, methods and plans. The challenges and experiences gathered in the course of a PhD in process mining were also shared by the participants.

The ICPM 2021 Tool and Demonstration Track is intended to showcase innovative process mining tools and applications that may come either from research initiatives or from industry. We received 21 submissions, of which a total of 18 contributions were accepted. Tools covering a broad range of topics were presented in this edition, including among others process visualization, multi-perspective process analysis, interactive process discovery, predictive process monitoring and object-centric event logs. The works demonstrate the support that the emerging applications can offer to researchers, practitioners and industry in the process mining field.

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✉ [mieke.jans@uhasselt.be](mailto:mieke.jans@uhasselt.be) (M. Jans); [gert.janssenswillen@uhasselt.be](mailto:gert.janssenswillen@uhasselt.be) (G. Janssenswillen);

[anna.kalenkova@unimelb.edu.au](mailto:anna.kalenkova@unimelb.edu.au) (A. Kalenkova); [maggi@inf.unibz.it](mailto:maggi@inf.unibz.it) (F. M. Maggi)

🆔 0000-0002-9171-2403 (M. Jans); 0000-0002-7474-2088 (G. Janssenswillen); 0000-0002-5088-7602 (A. Kalenkova); 0000-0002-9089-6896 (F. M. Maggi)



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