

## **BPM 2024 Dissertation Award, Doctoral Consortium, and Demonstration & Resources Forum: Preface**

This volume contains the papers presented at the Dissertation Award, Doctoral Consortium, and Demonstration & Resources Forum at the 22nd International Conference on Business Process Management (BPM 2024), organized by AGH University of Krakow, Poland.

The Dissertation Award demonstrates the excellence and innovative power of young BPM researchers. Eligible as candidates have been all dissertations that have been officially completed after January 1, 2023. The winner receives the award at the BPM Conference 2024 in Krakow, Poland. The award is connected with a prize of EUR 1,000 and a free registration for the conference. The winner is also offered the option to publish the dissertation thesis in Springer's LNBIP series.

The Doctoral Consortium pursues the objectives to provide valuable feedback and guidance to PhD students from experienced researchers as well as to promote the development of a community of scholars including both peers and mentors for future careers. Each of the received submissions has been evaluated by several senior researchers. As a result of the selection process, six of the students' research proposals were accepted. These proposals cover a range of topics, including a maturity model based on paradox theory, individual-level process mining analyses, monitoring employee well-being using process mining, object-centric processes, organizational dynamics through digital trace data, and conversational AI. PhD students are supported by senior researchers when it comes to the positioning, methodology, and future plans of their research projects in relation to the general field of BPM.

The Demonstration & Resources Forum intends to showcase innovative BPM tools, services, and applications, as well as datasets, taxonomies, labelled event logs, and annotated corpora alike that may originate from academic initiatives or industry endeavors. As it is typical for the track, the focus on the data-driven analysis of processes and process design & modeling is accompanied by emerging new fields of investigation, such as eye tracking in RPA, LLM integration for BPM, IoT-enhanced event logs, explainable predictive process monitoring, and simulation-driven process optimization. The works show the commitment of the BPM community to actionable solutions for industry and academic peers alike, as in the tradition of the track.

Also, this volume includes one short paper from the BPM-meets-IoT Workshop covering the topic of IoT-enhanced business processes, as well as four short papers from the OBJECTS Workshop, focusing on the role of object-centricity in the general field of BPM, which has been gaining momentum in the last few years.

The organizers of the Dissertation Award, Doctoral Consortium, Demonstration & Resources Forums and Workshops would like to express their gratitude to all individuals, institutions, and sponsors that supported BPM 2024. A special thanks goes to all members of the committees who contributed to make the tracks a success.

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