16th International Baltic Conference on Digital Business and Intelligent Systems

Baltic DB&IS Conference Forum and Doctoral Consortium 2024 Proceedings

30 June – 03 July, Vilnius Lithuania

Edited by

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Preface

The 16th International Baltic Conference on Digital Business and Intelligent Systems (Baltic DB&IS 2024) was held in Vilnius, Lithuania, from June 30 to July 3, 2024. It was co-organized by four esteemed Lithuanian academic institutions: Vilnius University, Vilnius Gediminas Technical University, the Lithuanian Academy of Sciences, and the Lithuanian Computer Society.

In addition to the main conference program and invited keynote talks, the conference featured a Forum and a Doctoral Consortium. These proceedings include the papers presented at these two events.

The aim of the conference Forum was to provide a platform for researchers and practitioners to present new ideas, case studies, and exploratory work, and to receive early feedback from the audience. Eight papers were selected from the main pool of 36 submissions to be presented at the conference Forum. These papers underwent a rigorous single-blind peer review process and received at least three reviews from the international Program Committee. They were distinguished by the originality of their proposals and their significant potential.

The Doctoral Consortium, held on the first day of the conference, offered PhD students an opportunity to present their work to senior researchers (mentors) and peers from diverse academic and industrial backgrounds. This event provided a relaxed and supportive environment for young researchers to improve their scientific writing and presentation skills. The Doctoral Consortium also facilitated constructive feedback from field experts and supported the building of networks with peers and future colleagues. Each doctoral consortium submission was reviewed by at least three senior researchers, and three papers out of the four submissions are included in these proceedings.

We are grateful to the Program Committee and the mentors of the Doctoral Consortium for their assistance in evaluating and selecting the papers. We extend our thanks to all authors for their submissions, to the presenters for their efforts to engage the audience, and to all participants for their comments and lively discussions. We hope you will enjoy reading these papers, and find inspiration for further research.

June 2024

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