GUEST EDITORIAL

Guest editorial for EMMSAD'2022 special section

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Received: 30 September 2023 / Accepted: 2 October 2023 / Published online: 8 December 2023 © The Author(s), under exclusive licence to Springer-Verlag GmbH Germany, part of Springer Nature 2023

The EMMSAD (Exploring Modeling Methods for Systems Analysis and Development) conference series organized 27 events from 1996 to 2022, associated with CAISE (Conference on Advanced Information Systems Engineering). In 2009, EMMSAD became a two-day working conference. Since 2017, EMMSAD best papers are invited to submit extended versions for consideration of their publication in the Journal of Software and Systems Modeling (SoSyM). The main topics of the EMMSAD series have the focus on models and modeling methods for the analysis and development of software information systems of any kind. These are organized into five tracks: (1) Foundations of Modeling and Method Engineering; (2) Enterprise, Business Process and Capability Modeling; (3) Information Systems and Requirements Modeling; (4) Domain-Specific and Knowledge Modeling; and (5) Evaluation of Modeling Approaches. The aims, topics, and history of EMMSAD can be also found on its website at http://www.emmsad.org/.

1 Scope

This special section follows the 27th edition of the EMMSAD series, organized in conjunction with CAiSE'22 in Leuven, Belgium, on the 6th and 7th of June 2022. The program of this edition included 11 long and 3 short papers, divided into four sessions: empirical studies, enterprise and business process modeling, modeling in the digital age, ontologies and integrability and domain-specific modeling. These papers, which have been published in [1], show a great magnitude and variety of novel research topics in the modeling area of information systems and software analysis and development. The authors of top-scored papers were invited to submit extended and enhanced versions for consideration

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2 The papers selected for this special section

This special section presents three articles, which went through a rigorous review process of two or three rounds. Below is the list of papers:

- 1. Simon Curty, Felix Härer and Hans-Georg Fill. Design of blockchain-based applications using model-driven engineering and low-code/no-code platforms: a structured literature review. The paper presents the design and results of a literature review on model-driven engineering methods and tools for the development of blockchain-based systems.
- 2. Renata Guizzardi, Glenda Moura Amaral, Giancarlo Guizzardi and John Mylopoulos. An ontology-based approach to engineering ethicality requirements. The paper presents a method-supported conceptualization for ethics-related requirements in the design of artificial intelligent systems.
- 3. Elena Planas, Salvador Martínez, Marco Brambilla and Jordi Cabot. Modeling and enforcing access control policies in conversational user interfaces. The paper presents how to incorporate access control policies into conversational user interfaces specification. The suggested framework includes a DSL for specifying the policies in design time and a mechanism to enforce them in runtime.

Acknowledgements We want to thank the program committee of EMMSAD'2022 and especially the following reviewers for their timely and valuable reviews during the review process for this special section: Joao Paulo Almeida, Said Assar, Peter Fettke, Hans-Georg Fill, Cesar Gonzalez-Perez, Janis Grabis, Simon Hacks, Roman Lukyanenko, Raimundas Matulevicius, Geert Poels, Arik Senderovich, Monique Snoeck, Arnon Sturm, Hans Weigand and Anna Zamansky. We would also like to thank the track chairs for their continued support



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in EMMSAD: Jolita Ralyté and Janis Stirna for track 1, Jānis Grabis and Paul Grefen for track 2, Roman Lukyanenko and Marcela Ruiz for track 3, Tiago Prince Sales and Arnon Sturm for track 4, and Renata Guizzardi and Oscar Pastor for track 5. Special thanks go to the organizing committee of CAiSE 2022, IFIP WG8.1, and the Editors-in-Chief of the Journal of Software and Systems Modeling (SoSyM)—Bernhard Rumpe, Jeff Gray, and Benoit Combemale, SoSyM Assistant Editor— Martin Schindler, and EMMSAD advisory committee—John Krogstie, Henderik A. Proper, and Jelena Zdravkovic. Finally, our gratitude goes to all authors of the selected papers who made this special section possible in the challenging times of global pandemic.

Reference

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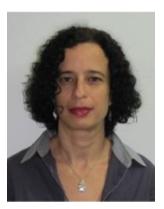
Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

and techniques for analysis and design, and requirements engineering. She co-organized a series of domain engineering workshops, in conjunction with the CAiSE conference, and co-edited a book entitled "Domain Engineering: Product Lines, Languages, and Conceptual Models". She co-chairs EMMSAD—Exploring Modeling Methods for Systems Analysis and Development since 2017. She is in the Editorial Board of Software and Systems Modeling (SoSyM), Data and Knowledge Engineering (DKE), Requirements Engineering (RE), and Business and Information Systems Engineering (BISE) journals.



Dominik Bork is an assistant professor for Business Systems Engineering at the Faculty of Informatics, Institute of Information Systems Engineering, Business Informatics Group at TU Wien. His research interests comprise conceptual modeling, model-driven engineering, and modeling tool development. A primary focus of ongoing research is on the empirical aspects of conceptual modeling and the mutual benefits of conceptual modeling and artificial intelligence. For more informa-

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