Preface of the 2nd International Workshop on Practicing Open Enterprise Modelling within OMiLAB (PrOse)

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Enterprise modeling (EM) is a quintessential discipline for understanding, analyzing and developing enterprises. It serves as a starting point for designing complex information systems and onboarding new technologies in the context of Internet of Things, Factories of the Future and Cyber-Physical Systems. Enterprise models represent various interrelated aspects of enterprises and are used as communication vehicles among all parties involved. The principle of openness and collaboration is essential for these purposes as well as the need for methods and tools supporting collaborative development of complex systems.

OMiLAB (Open Models Initiative Laboratory) is a scientific experimentation space for the conceptualization, development, and deployment of modeling methods and the models designed with them. Thereby, the term "open" in OMiLAB reflects that the initiative is open for any modeling approach. Besides the physical OMiLABs in Austria and South Korea there is a virtual OMiLAB accessible at www.omilab.org which allows scientists from all over the world to join this initiative and benefit from open artifacts.

In this context, the PrOse workshop focuses on how open enterprise models, enterprise modeling methods and enterprise modeling tools are: (1) used, (2) adopted, and (3) evaluated in education, industry, and research. In 2018, the PrOse workshop was held in conjunction with the 11th
IFIP WG 8.1 working conference on the Practice of Enterprise Modelling (PoEM) in Vienna, Austria.

This year, the PrOse workshop attracted 10 submissions from 9 countries. They were rigorously reviewed by the Program Committee. As a result, 8 high-quality papers have been selected for publication in this volume and presentation at the conference. They cover different aspects of open enterprise modeling methods and their application and teaching.

In the area of domain-specific modeling, the paper by Yeongbok Choe and Moonkun Lee titled “Process Model to Predict Nondeterministic Behavior of IoT Systems” focuses on formal modeling of IoT systems including tool support provided by ADOxx. The paper by Frank Wolff and Kai Bieler “Evolutionary Student Research Projects in Domain Specific Modelling for an ERP-System with ADOxx” advocates using domain-specific modeling techniques for the configuration of ERP systems. The paper by Santa Zvirbule and Marite Kirikova “Variability Modeling for New Technology Choices in a Facility Management Domain” exposes variety in technologies used in facility management and promotes using variability modeling techniques to deal with this variety.

In the area of Enterprise modeling and tools, Anca Chiș-Rațiu and Robert Andrei Buchmann in their paper “Design and Implementation of a Diagrammatic Tool for Creating RDF graphs” investigate development of modeling tools in the context of agile development approaches. Afef Awadid and Selmin Nurcan “Tool Support for the EKD Enterprise Modeling Method: Towards Managing Inter-View Consistency” develop an EKD tool with a focus on managing inter-view consistency what is crucial for large modeling projects intended for further development of information systems. Renata Petrevska Nechkoska, Geert Poels and Jelena Zdravkovic “Enterprise Adaptability Using a Capability-oriented Methodology and Tool Support” emphasize the importance of tool support for analyzing complexities of enterprise adaptation.

In the area of digital service and modeling, the paper by Henderik A. Proper and Kurt Sandkuhl “The Context of Collaborative Digital Service Development” concerns representation of context affecting the design of digital services and reports a case study on digital service design. Marvin Schönwälder, Tom Szilagyi, Florian Bär, Birger Lantow and Kurt Sandkuhl “IT Self-Service Blueprinting - A Visual Notation for Designing IT Self-Services” elaborate a visual notation to facilitate perception of enterprise models by various stakeholders.

We would like to thank everyone who contributed to the PrOse 2018 workshop. We thank the authors for contributing and presenting their research, we appreciate invaluable contribution of the members of the Program Committee and we thank all members of the local organization team from the University of Vienna for handling organizational matters. We acknowledge the EasyChair development team for providing such a convenient tool for managing the submission and review process and the CEUR publishing team for their collaboration. Last but not the least we thank the PoEM conference Steering Committee, conference chairs and workshop chairs for their support and we hope that PrOse 2018 was a valuable addition to the further development of the PoEM conference series and enterprise modeling community.

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