Preface

This volume contains the proceedings of the workshops associated with the 35th International Conference on Conceptual Modelling (ER 2016) and one paper associated with the Demonstration Session of ER 2016.

The International Conference on Conceptual Modelling (ER) is the leading international forum for presenting and discussing research and applications of conceptual modelling. Topics of interest include foundations of conceptual models, theories of concepts, ontology-driven conceptual modelling and analysis, methods and tools for developing, communicating, consolidating, and evolving conceptual models, and techniques for transforming conceptual models into effective implementations.

Continuing a long tradition, ER 2016 hosted seven workshops that were held in conjunction with the main ER conference. The workshops served as an intensive collaborative forum for exchanging innovative ideas about conceptual modelling and for discovering new frontiers for its use. In addition, a demonstration session was organized in which participants show-cased their latest tools for conceptual modelling.

After a Call for Workshops proposal, we finally accept seven high-quality workshops. Therefore, this volume contains articles from the following seven accepted workshops:

- AHA 2016 – Conceptual Modelling for Ambient Assistance and Healthy Ageing
- MoBiD 2016 – Modelling and Management of Big Data
- MORE-BI 2016 – Modelling and Reasoning for Business Intelligence
- MReBA 2016 – Conceptual Modelling in Requirements and Business Analysis
- QMMQ 2016 – Quality of Modelling and Modelling of Quality
- SCME 2015 – Conceptual Modelling Education
- WM2SP 2016 – Models and Modelling on Security and Privacy

The volume also includes one of the four presented demonstration papers.

In its 2016 edition, the ER workshop series focused on the use of conceptual modelling to increase end-user satisfaction by aligning technical systems to the goals of a given domain. The MoBiD, MReBA, and MORE-BI workshops aimed at improving our understanding of how better data management, requirements engineering, and business intelligence lead to better organizational values. Similarly, the AHA workshop aimed at designing and developing systems that ensure a better quality of life. More generally, the QMMQ workshop addressed the issue of ensuring the quality of systems and developing techniques to manage quality aspects. The impact of security and privacy on conceptual modelling was discussed in the WM2SP workshop. The SCME symposium examined methods of teaching and educating conceptual modelling to research and industry communities.

The workshop program of ER 2016 provided a place for participants to discuss, deliberate, and provoke, with the primary goal of setting an agenda for future research in the areas of the workshops.

Across all workshop events, 52 papers were submitted from the following 16 countries: Belgium, Brazil, Colombia, Finland, France, Germany, Israel, Japan, New Zealand, Poland, Russia, Spain, Sweden, The Netherlands, UK, and USA. Following the rule of the ER workshops, the respective workshop Program Committees carried out peer reviews and accepted a total number of 19 papers, resulting in an acceptance rate of 36 %. Furthermore, three of the workshops featured a keynote talk, which significantly enhanced the perspective and quality of the ER 2016 workshops.

We would like to express our sincere gratitude to all authors and reviewers of the regular papers and keynotes, to the co-chairs of the individual workshops and other events, and to the entire ER organization team for an unforgettable event in Gifu. Our biggest thanks go to Motoshi Saeki, who was always there to help us with any problems we put forward. Finally, we would like to thank the Springer team for producing another memorable ER workshop volume.

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