

Preface

Welcome to the proceedings of the workshops held during the 34th International Conference on Conceptual Modeling (ER conference 2015) in Stockholm, Sweden. Workshops offer an incremental exploration of cutting-edge research issues that become prominent in the future. The ER conference has a long tradition of thought-provoking and state-of-the-art workshops. This year we had a rich combination of seven workshops and a special symposium on conceptual modeling education.

We attracted 52 paper submissions for all the workshops, of which 26 were accepted. These workshops also have invited papers along with papers from the symposium on conceptual modeling education.

This volume comprises contributions from the following workshops:

AHA 2015 – Conceptual Modeling for Ambient Assistance and Healthy Ageing

CMS 2015 – Conceptual Modeling of Services

EMoV 2015 – Event Modeling and Processing in Business Process Management

MoBiD 2015 – Modeling and Management of Big Data

MORE-BI 2015 – Modeling and Reasoning for Business Intelligence

MReBA 2015 – Conceptual Modeling in Requirements Engineering and Business

Analysis

QMMQ 2015 – Quality of Modeling and Modeling of Quality

SCME 2015 – Symposium on Conceptual Modeling Education

Each of these workshops deal with different aspects of conceptual modeling issues. Technology impacts conceptual modeling, and the workshops EMoV 2015, CMS 2015, and MoBiD 2015 explore these aspects. Applications play a key role in showing the deficiencies of state-of-the-art conceptual modeling methodologies – the workshops AHA-2015, MORE-BI, and MReBA-2015 discuss some of these issues. Quality is difficult to define in the context of conceptual modeling, and QMMQ-2015 identifies research problems in this area.

The workshop program of ER 2015 thus provided a place for participants to discuss, deliberate, and provoke to set an agenda for future research in these areas.

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