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Advances in Conceptual Modeling

ER 2014 Workshops, ENMO, MoBiD, MReBA,
QMMQ, SeCoGIS, WISM, and ER Demos
Atlanta, GA, USA, October 27-29, 2014
Proceedings



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Preface

This companion volume to the ER 2014 conference contains the proceedings of workshops associated with the 33rd International Conference on Conceptual Modeling (ER 2014), held in Atlanta, GA, USA, during October 27-29, 2014.

The ER conference is the premier international venue for research related to conceptual models and modeling for information systems, and increasingly, in several related domains. The main conference consists of regular and short papers, keynotes, panels, an educational symposium, demos, and tutorials. The conference, thus, provides a large spectrum of choices for researchers and practitioners to engage with foundational and contemporary concerns related to research and practice.

In keeping with the ER conference series tradition, the aim of the ER workshops was to provide an intensive collaborative forum at which researchers and industry professionals could gather to exchange innovative ideas related to conceptual modeling and its applications. This year the workshops featured a wide range of domains, including requirements and enterprise modeling, modeling of big data, spatial conceptual modeling, exploring the quality of models, and issues specific to the design of Web information systems.

Through a call for proposals, followed by a competitive review process, six workshops, some new and some established, were selected:

- First International Workshop on Enterprise Modeling (ENMO 2014)
- Second International Workshop on Modeling and Management of Big Data (MoBiD 2014)
- First International Workshop on Conceptual Modeling in Requirements and Business Analysis (MReBA 2014) (formerly known as RIGiM - International Workshop on Requirements, Intentions and Goals in Conceptual Modeling)
- First International Workshop on Quality of Models and Models of Quality (QMMQ 2014)
- 8th International Workshop on Semantic and Conceptual Issues in GIS (SeCoGIS)
- 11th International Workshop on Web Information Systems Modeling (WISM 2014)

The selected workshops attracted a total of 59 submissions. Following a review process carried out by each of the relevant Program Committees, a total of 24 full papers were accepted, resulting in an acceptance rate of 40%. Six papers were accepted as short papers based on high review scores and their focus on cutting-edge topics. In addition, the workshops also contained panels with experts to discuss emerging topics, and keynotes from established scholars in each community. The workshops were an integral part of the conference in Atlanta and occupied a companion track to the regular papers.

The workshops, and this resulting volume, would not be possible without the hard work of a large collection of people. I would like to thank the organizers of the six workshops for their efforts, dilligence, and timely collaboration. Thank you also to the Program Committees of these workshops, as well as their external reviewers, who ensured, through the review process, that the best papers were selected. A very special thanks also to the conference chair, Sandeep Purao, for his support and help with developing the final workshop program.

This companion volume also contains three papers describing the innovative research software that were presented at the conference. We thank Akhilesh Bajaj, the conference demo chair, for coordinating these demos.

Last but not least, thank you to all of the authors who submitted their high-quality work to the ER 2014 workshops this year. The workshop series, and its established quality, cannot exist without the continued support of such authors.

July 2014

Marta Indulska
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