

Preface

This volume contains research articles that were presented at the 14th International Conference on Mobile Web and Intelligent Information Systems (MobiWis 2017). MobiWis was held in Prague, Czech Republic, during August 21–23, 2017.

Mobile Web usage is continuously increasing with the increase in mobile devices such as smart phones and tablets. According to Statcounter¹, more people are now accessing Web/Internet content through mobile devices than through desktop computers. Statcounter's statistics show that more than 50% of the 2.5 million websites were accessed through mobile devices in October 2016. The success of the mobile Web comes from significant developments in various technologies such as high-speed wireless networks, powerful mobile/smart phones and devices, and the state-of-the-art software systems and tools.

The International Conference on Mobile Web and Intelligent Information Systems (MobiWis) aims to advance research on and practical applications of mobile Web, intelligent information systems, and related mobile technologies. It provides a forum for researchers, developers, and practitioners from academia, industry, and the public sector, in order to share research ideas, knowledge, and experiences in the areas of mobile Web and information systems. The call for papers for MobiWis 2017 included new and emerging areas such as: mobile Web systems, recommender systems, security and authentication, context-awareness, mobile Web and advanced applications, cloud and IoT, mobility management, mobile and wireless networks, and mobile Web practice and experience.

MobiWis 2017 attracted a good number of submissions from different countries across the globe. This year the number of submissions was 77. All the papers were reviewed by multiple members of the Program Committee. Based on the reviews, 27 papers were accepted for the conference — with 23 full and four short papers, leading to an acceptance rate of 35%. The accepted papers covered a range of topics related to the theme of the conference. The technical program of MobiWis 2017 also included invited talks from two large international corporations. These were delivered by Dr. Markus Aleksey (ABB Corporate Research) and Dr. Mazin Yousif (T-Systems, International). The invited talks were delivered in conjunction with the co-located conferences of the IEEE 5th International Conference on Future Internet of Things and Cloud (FiCloud 2017) and the Third International Conference on Big Data Innovations and Applications (Innovate-Data 2017), IEEE-TCI.

We would like to thank the invited speakers for delivering interesting and thought-provoking talks. We also thank all the Program Committee members who provided valuable and constructive feedback to the authors and to the Program Chairs.

¹ “Mobile and tablet internet usage exceeds desktop for first time worldwide” by Statcounter Global Stats, <http://gs.statcounter.com/press/mobile-and-tablet-internet-usage-exceeds-desktop-for-first-time-worldwide>.

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