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Foreword

Welcome to the proceedings of the 15th International Conference on Web-Age Information Management (WAIM 2014). WAIM is a leading international conference for researchers, practitioners, developers, and users to share and exchange ideas, results, experience, techniques, and tools in connection with all aspects of Web data management. The rapid development and prevalent use of the Web highlight the need for new technologies for the design, implementation, and management of Web-based information systems. It is evident that high-volume, distributed, heterogeneous data increasingly found on the Web introduces new challenges beyond the capability of traditional database systems. It calls for new Web-based information systems to provide effective and efficient techniques for specifying, retrieving, integrating, exchanging, querying, archiving, managing, and cleaning the data on the Web. The study of Web-based information systems requires seamless integration of technologies from database systems and Internet management, and is essential to the development of Web services, e-commerce and e-science, among other things.

The WAIM conference provides a forum for Web data management researchers to exchange new results. The call for papers attracted submissions from many research institutions in the USA, UK, Australia, Germany, Japan, India, and China. The Program Committee accepted 48 high-quality full papers and 35 short papers covering theoretical research as well as empirical studies. We hope that the proceedings serve as a valuable reference for researchers and developers interested in Web data management techniques.

We would like to thank all authors for their contributions. We would like to express our gratitude to the Program Committee members who worked hard in reviewing papers and providing suggestions for improvements. Special thanks to our keynote speakers, Prof. Jiawei Han, Prof. Amr El Abbadi, Prof. Yufei Tao, Dr. Wen-syan Li, and Dr. Ricky Sun. We would also like to express our gratitude to Prof. Weiyi Meng for leading the Steering Committee of the workshop.

We hope that WAIM helps expand the community of Web data management researchers and practitioners all over the world, and that it provides a ground for new ideas in this important field.

April 2014

Feifei Li
Guoliang Li
Seung-won Hwang
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