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Database Systems for Advanced Applications

17th International Conference, DASFAA 2012
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Proceedings, Part II

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Preface

It is our great pleasure to welcome you to the proceedings of the 17th International Conference on Database Systems for Advanced Applications (DASFAA 2012), which was held in Busan, Korea, in April, 2012. DASFAA is an international conference which provides a forum for technical presentations and discussions among database researchers, developers and users from academia, business and industry, in the areas of databases, large-scale data management, data mining, search and recommendation, and the Web.

The call for papers attracted 159 research submissions from 24 countries (based on the affiliation of the first author). Among them, the Program Committee selected, through a comprehensive review process, 44 regular papers and 8 short papers for presentation. The Industrial Committee, chaired by Won Suk Lee, Mukesh Mohania and Jeffrey Yu, selected 8 industrial papers for presentation. The conference program also included 8 demo presentations selected from 17 submissions by the Demo Committee chaired by Wolf-Tilo Balke and Seung-Won Hwang.

This volume also includes extended abstracts of the two invited keynote lectures by Divesh Srivastava (AT&T Research) and Sang Kyun Cha (Seoul National University and SAP Labs Korea), whose topics were on “Enabling Real-Time Data Analysis” and “A New Paradigm of Thinking and Architecture for Real-Time Information Processing at Fingertips,” respectively. The Tutorial Chair, Wook-Shin Han, organized four tutorials by leading experts on topics ranging from probabilistic databases to detecting clones and reuse on the Web. A stimulating panel was organized by the Panel Chair, Kyuseok Shim. This rich and attractive conference program boasts conference proceedings that span two volumes of Springer’s *Lecture Notes in Computer Science* series.

Beyond the main conference Hwanjo Yu, Yu Ge and Wynne Hsu, who chaired the Workshop Committee, put together five workshops that catered to specific interests of the conference participants. The workshop papers are included in a separate volume of proceedings also published by Springer in its *Lecture Notes in Computer Science* series.

DASFAA 2012 was jointly organized by Pusan National University and the Database Society of Korea. It received in-cooperation sponsorship from the Korea Institute of Information Scientists and Engineers, the Database Society of Japan, the China Computer Federation Database Technical Committee, and the Korea Database Agency. We are grateful to the industry and institutional sponsors who contributed generously to making DASFAA 2012 successful.

The conference would not have been possible without the support and hard work of many colleagues. We would like to express our special thanks to Honorary Conference Chair, Kyu-Young Whang, for his valuable advice on all aspects of organizing the conference. We thank the DASFAA Steering Committee

for their leaderships and encouragement. We thank the General Co-chairs, Yoon Joon Lee and Kazutoshi Sumiya, Organizing Committee Chair, Bonghee Hong, Publicity Co-chairs, Eenjun Hwang, Jae-Gil Lee and YunChan Chang, Local Arrangements Committee Co-chairs, Joonho Kwon and Ok-Ran Jeong, Finance Chair, Min-Su Lee, Web Co-chairs, Ha-Joo Song and Young-Koo Lee, Demo Award Committee Co-chairs, Young-Kuk Kim, Takahiro Hara and Kyoung-Gu Woo, Best Paper Committee Co-chairs, SangKeun Lee, Hiroyuki Kitagawa and Xiaofeng Meng, Sponsor Co-chairs, Yunmook Nah and Kyu-Chul Lee, Registration Chair, Sanghyun Park, Steering Committee Liaison, Byeong-Soo Jeong, APWEB Liaison, Wookey Lee, and EDB Liason, Jinho Kim.

Finally, our thanks go to all the committee members and other individuals involved in putting this all together, and to all authors who submitted their papers to this conference.

April 2012

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