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Database Systems for Advanced Applications

15th International Conference, DASFAA 2010
Tsukuba, Japan, April 1-4, 2010
Proceedings, Part II

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Library of Congress Control Number: 2010922033

CR Subject Classification (1998): H.2, H.3, H.4, H.5, C.2, J.1

LNCS Sublibrary: SL 3 – Information Systems and Application, incl. Internet/Web and HCI

ISSN 0302-9743
ISBN-10 3-642-12097-0 Springer Berlin Heidelberg New York
ISBN-13 978-3-642-12097-8 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper 06/3180

Message from the DASFAA 2010 Chairs

It is our great pleasure to welcome you to the proceedings of the 15th International Conference on Database Systems for Advanced Applications (DASFAA 2010). DASFAA is an international forum for academic exchange and technical discussions among researchers, developers, and users of databases from academia, business, and industry. DASFAA is a leading conference in the areas of databases, large-scale data management, data mining, and the Web. We are delighted to have held the 15th conference in Tsukuba during the cherry blossom season – the very best season of the year.

The call for papers attracted 237 research submissions from 25 countries / regions (based on the affiliation of the first author). Among them, 55 regular papers and 16 short papers were selected for presentation after a thorough review process by the Program Committee. The Industrial Committee, chaired by Hideko S. Kunii and Umesh Dayal, selected 6 industrial papers for presentation from 15 submissions and organized an industrial invited talk. The conference program also included 22 demo presentations selected from 33 submissions by the Demo Committee, chaired by Takahiro Hara and Kian-Lee Tan.

We are proud to have had two distinguished keynote speakers: Gerhard Weikum (Max-Planck Institute for Informatics) and Raghu Ramakrishnan (Yahoo! Research). Their lectures were the highlight of this conference. Tutorial Co-chairs, Kazutoshi Sumiya and Wookey Lee organized three tutorials by leading experts: Mining Moving Objects, Trajectory and Traffic Data (by Jiawei Han, Zhenhui Li, and Lu An Tang), Querying Large Graph Databases (by Yiping Ke, James Cheng, and Jeffrey Xu Yu), and Introduction to Social Computing (by Irwin King). A stimulating panel was organized by Panel Co-chairs Yasushi Kiyoki and Virach Sornlertlamvanich. This rich and attractive conference program boasts conference proceedings that span two volumes in Springer's *Lecture Notes in Computer Science* series.

Beyond the main conference, Masatoshi Yoshikawa and Xiaofeng Meng, who chaired the Workshop Committee, put together workshops that were of interest to all. The workshop papers are included in a separate volume of proceedings also published by Springer in its *Lecture Notes in Computer Science* series.

DASFAA 2010 was jointly organized by the University of Tsukuba and the Database Society of Japan (DBSJ). It received in-cooperation sponsorship from the KIISE Database Society of Korea, the China Computer Federation Database Technical Committee, ARC Research Network in Enterprise Information Infrastructure, Asian Institute of Technology (AIT), "New IT Infrastructure for the Information-explosion Era," MEXT Grant-in-Aid for Scientific Research on Priority Areas, Japan, Information Processing Society of Japan (IPSJ), the Institute of Electronics, Information, and Communication Engineers (IEICE), Japan PostgreSQL Users Group, MySQL Nippon Association, and the Japanese

Firebird Users Group. We are grateful to the sponsors who contributed generously to making DASFAA 2010 successful. They are Beacon Information Technology Inc., Mitsubishi Electric Corporation, National Institute for Materials Science (NIMS), KDDI R&D Laboratories Inc., National Institute of Advanced Industrial Science and Technology (AIST), Ricoh Co., Ltd., NTT DATA Corporation, Hitachi, Ltd., Ricoh IT Solutions Co., Ltd., SRA OSS, Inc., Japan, and Nippon Telegraph and Telephone Corporation. We also appreciate financial support from the Telecommunications Advancement Foundation and Kayamori Foundation of Informational Science Advancement.

The conference would not have been possible without the support of many colleagues. We would like to express our special thanks to Honorary Conference Chair Yoshifumi Masunaga for his valuable advice on all aspects of organizing the conference. We thank Organizing Committee Chair Masaru Kitsuregawa and Vice Chair Miyuki Nakano, DBSJ Liaison Haruo Yokota, Publicity Co-chairs Jun Miyazaki and Hyoil Han, Local Arrangements Committee Chair Toshiyuki Amagasa, Finance Chair Atsuyuki Morishima, Publication Chair Chiemi Watanabe, and Web Chair Hideyuki Kawashima. We are grateful for the strong support from the DASFAA 2010 Geographical Area Chairs: Bonghee Hong (Korea), Li-Zhu Zhou (China), Jeffrey Xu Yu (Hong Kong), Ming-Syan Chen (Taiwan), Stéphane Bressan (Singapore), Vilas Wuwongse (Thailand), Krithi Ramamritham (India), James Bailey (Australia), Chen Li (America), and Peer Kröger (Europe). Our thanks go to all the committee members and other individuals involved in putting it all together.

Finally, we thank the DASFAA Steering Committee, especially the immediate past Chair, Kyu-Young Whang, and current Chair, Katsumi Tanaka, for their leaderships and encouragement.

April 2010

Hiroyuki Kitagawa
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