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Foreword

Welcome to the 11th International Conference on Database Systems for Advanced Applications (DASFAA 2006)! This year's conference was held in Singapore where DASFAA was last held in 1997. DASFAA 2006 continued the tradition of providing an international forum for technical discussion among researchers, developers and users of database systems from academia, business and industry. Organizing DASFAA 2006 was a very rewarding experience—it gave me an excellent opportunity to work with many fine colleagues both within and outside Singapore.

I would like to thank Kian-Lee Tan and Vilas Wuwongse for putting together a world-class Program Committee. The committee worked very hard to bring a high-quality technical program to the conference. DASFAA 2006 also included an industrial track. David Cheung and Hwee Hwa Pang co-chaired this track and set up a separate committee to assess the quality of the submitted papers.

The conference also featured three tutorials: (1) Database Watermarking by Radu Sion, (2) Multilingual Database Systems by Jayant R. Haritsa, and (3) Video Sequence Indexing and Query Processing by Xiaofang Zhou, and a panel session. I would like to thank Ee Peng Lim and Krithi Ramamritham for their effort in organizing the tutorials and panel, respectively.

This conference would not have been possible without the support of many other colleagues: Tok-Wang Ling (Honorary Conference Chair), Mong Li Lee (Publication Chair), Masatoshi Yoshikawa (Publicity Chair), Sourav Saha Bhowmick and Anthony Kum Hoe Tung (Local Arrangement Co-chairs), Chee Yong Chan (Treasurer), and Mrs. Siew Foong Ho (Secretary).

Finally, I greatly appreciated the support of the National University of Singapore (NUS) and the Nanyang Technological University. In particular, I was happy that DASFAA 2006 participated in the NUS Centennial Celebrations as an event organized by the NUS academic staff.

April 2006

Beng Chin Ooi
Conference Chair

Message from the Program Co-chairs

The 11th International Conference on Database Systems for Advanced Applications (DASFAA 2006) was held in Singapore from April 12 to 15, 2006. As an annual international conference in the Pacific Asia region, DASFAA 2006 kept the traditions of the conference in promoting research and development activities in the database field among participants and their institutions from Pacific Asia and the rest of the world.

This year, the conference received 188 (research-track) submissions from over 28 different countries. The submitted papers were rigorously reviewed by the Program Committee members, and 46 full papers and 16 short papers were accepted for presentation.

The papers chosen for presentation spanned a wide range of topics, ranging from well-established areas such as XML, spatial and temporal databases, and data mining to upcoming areas like sensor networks, uncertainty and data streams, and subsequence matching and bioinformatics. The combination of selected papers made the conference interesting and provided the basis for discussion and exchange of ideas and for future development.

The conference was privileged to have keynote addresses delivered by Alon Y. Halevy of Google Inc. and University of Washington, Krithi Ramamritham of IIT Bombay, and Christian Jensen of Aalborg University. They provided insightful thoughts into various research challenges on information management, dissemination of dynamic data and geo-enabled mobile services.

DASFAA 2006 also included an industrial track with the aim of drawing industry practitioners and the academic community to share practical experience and real-world challenges that require research attention, and to advance the state of the art by integrating new techniques and research results in novel systems and applications. This track included a paper on automating the maintenance of the statistics for query optimization in Sybase ASE 15.0, a paper on automatically finding a mapping that transforms an XML schema into a relational counterpart that is tuned to the application workload, and a third paper that treats the problem of missing data from sensors deployed to monitor elderly dementia patients.

The research and industrial tracks were both supported by their respective Technical Program Committees. Both teams comprised renowned and hardworking researchers from around the world. Their invaluable efforts in reviewing the papers ensured the high quality of the accepted papers. We would like to take this opportunity to thank them again!

The technical program also consisted of three tutorials and a panel session. The three tutorials featured were Database Watermarking by Radu Sion, Multilingual Database Systems by Jayant R. Haritsa, and Video Sequence Indexing and Query Processing by Xiaofang Zhou.

The conference would not have been a success without the help and contributions of many individuals, and we would like to acknowledge them here: Tok-Wang Ling, Beng Chin Ooi, Ee Peng Lim, Krithi Ramamritham, Masatoshi Yoshikawa, Mong Li Lee, Sourav Saha Bhowmick, Anthony Kum Hoe Tung, Chee Yong Chan and Mrs. Ho Siew Foong. Finally, we would like to thank the session chairs, tutorial speakers, authors and participants, who contributed to making this conference a success.

April 2006

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