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Preface

The Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD) has been held every year since 1997. This year, the 11th in the series (PAKDD 2007), was held at Nanjing, China, May 22–25, 2007. PAKDD is a leading international conference in the area of data mining. It provides an international forum for researchers and industry practitioners to share their new ideas, original research results and practical development experiences from all KDD-related areas including data mining, machine learning, databases, statistics, data warehousing, data visualization, automatic scientific discovery, knowledge acquisition and knowledge-based systems.

This year we received a record number of submissions. We received 730 research papers from 29 countries and regions in Asia, Australia, North America, South America, Europe and Africa. The submitted papers went through a rigorous reviewing process. Every submission except very few was reviewed by three reviewers. Moreover, for the first time, PAKDD 2007 introduced a procedure of having an area chair supervise the review process of every submission. Thus, most submissions were reviewed by four experts. The Program Committee members were deeply involved in a highly engaging selection process with discussions among reviewers and area chairs. When necessary, additional expert reviews were sought. As a result, a highly selective few were chosen to be presented at the conference, including only 34 (4.66%) regular papers and 92 (12.6%) short papers in these proceedings.

The PAKDD 2007 program also included four workshops. They were a workshop on Data Mining for Biomedical Applications (BioDM 2007), a workshop on Data Mining for Business (DMBiz 2007), a workshop on High-Performance Data Mining and Applications (HPDMA 2007) and a workshop on Service, Security and Its Data Management Technologies in Ubi-Com (SSDU 2007). A data mining competition under the PAKDD flag was also organized for the second time after the first competition that was held in PAKDD 2006.

PAKDD 2007 would not have been successful without the support of many people and organizations. We wish to thank the members of the Steering Committee for their invaluable suggestions and support throughout the organization process. We are indebted to the area chairs, Program Committee members and external reviewers for their effort and engagement in providing a rich and rigorous scientific program for PAKDD 2007. We wish to express our gratitude to our General Workshop Chair Takashi Washio for selecting and coordinating the exciting workshops, to the Tutorial and PAKDD School Chair Graham Williams for coordinating the fruitful tutorials and school lecturers, to the Industrial Track Chair Joshua Z. Huang for handling industrial track papers, to the PAKDD Competition Chair Nathaniel Noriel for organizing the PAKDD Competition and to the distinguished keynote speakers and tutorial presenters for their

wonderful talks and lectures. We are also grateful to the Local Arrangement Chairs Yang Gao and Xianglin Fei as well as the Local Organizing Committee, whose great effort ensured the success of the conference.

We greatly appreciate the support from various institutions. The conference was organized by the LAMDA Group of Nanjing University, Nanjing, China, in cooperation with Nanjing University of Aeronautics and Astronautics, the Japanese Society for Artificial Intelligence, and the Singapore Institute of Statistics. It was sponsored by the National Natural Science Foundation of China (NSFC), Microsoft AdCenter Labs, NEC Labs China, Microsoft Research Asia (MSRA), Salford Systems and K.C. Wong Education Foundation.

We also want to thank all authors and all conference participants for their contribution and support. We hope all participants took this opportunity to share and exchange ideas with one another and enjoyed PAKDD 2007.

January 2007

Zhi-Hua Zhou
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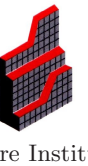

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