

# Preface

PAKDD 2001, Hong Kong, 16–18 April, was organized by the E-Business Technology Institute of The University of Hong Kong in cooperation with ACM Hong Kong, IEEE Hong Kong Chapter, and The Hong Kong Web Society. It was the Fifth Pacific-Asia Conference on Knowledge Discovery and Data Mining and the successor of earlier PAKDD conferences held in Singapore (1997), Melbourne, Australia (1998), Beijing, China (1999), and Kyoto, Japan (2000).

PAKDD 2001 brought together participants from universities, industry, and government to present, discuss, and address both current issues and novel approaches in the practise, deployment, theory, and methodology of Knowledge Discovery and Data Mining. The conference provides an international forum for the sharing of original research results and practical development experiences among researchers and application developers from the many KDD related areas including machine learning, databases, statistics, internet, e-commerce, knowledge acquisition, data visualization, knowledge-based systems, soft computing, and high performance computing.

The PAKDD 2001 conference included technical sessions organized around important subtopics such as: Web Mining; Text Mining; Applications and Tools; Interestingness; Feature Selection; Sequence Mining; Spatial and Temporal Mining; Concept Hierarchies; Association Mining; Classification and Rule Induction; Clustering; and Advanced Topics and New Methods.

Following careful review of the 152 submissions by members of the international program committee 38 regular papers and 22 short papers were selected for presentation at the conference and for publication in this volume.

The conference program also included invited keynote presentations from three international researchers and developers in data mining: H. V. Jagadish of the University of Michigan, Ronny Kohavi of Blue Martini, and Hongjun Lu of the University of Science and Technology, Hong Kong. Abstracts of their presentations are included in this volume.

The conference presented six tutorials from experts in their respective disciplines: An Introduction to MARS (Dan Steinberg); Static and Dynamic Data Mining Using Advanced Machine Learning Methods (Ryszard S. Michalski); Sequential Pattern Mining: From Shopping History Analysis to Weblog Mining and DNA Mining (Jiawei Han and Jian Pei); Recent Advances in Data Mining Algorithms for Large Databases (Rajeev Rastogi and Kyuseok Shim); Web Mining for E-Commerce (Jaideep Srivastava); and From Evolving Single Neural Networks to Evolving Ensembles (Xin Yao).

Associated workshops included: Spatial and Temporal Data; Statistical Techniques in Data Mining; and Data Mining and Electronic Business.

A conference such as this can only succeed as a team effort. We would like to thank the program committee members and reviewers for their efforts and the PAKDD steering committee members for their invaluable input and advice. Our sincere gratitude goes to all of the authors who submitted papers. We are grateful to our sponsors for their generous support. Special thanks go to Ms Winnie Yau, E-Business Technology Institute, The University of Hong Kong, for her considerable efforts, seamlessly keeping everything running smoothly and coordinating the many streams of the conference organization.

On behalf of the organizing and program committees of PAKDD 2001 we trust you found the conference a fruitful experience and hope you had an enjoyable stay in Hong Kong.

February 2001

Chung-Jun Tan, Jiawei Han  
David Cheung, Graham J. Williams, Qing Li

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PAKDD 2001 was organized by the E-Business Technology Institute of The University of Hong Kong in cooperation with ACM Hong Kong, IEEE Hong Kong Chapter, and The Hong Kong Web Society.

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