

# Preface

This edited volume contains selected papers from the four workshops that were held on April 19, 2016, in Auckland, New Zealand. These workshops were run in conjunction with the 20th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2016), a leading international conference in the areas of data mining and knowledge discovery. The four workshops are: Workshop on Biologically Inspired Data Mining Techniques (BDM), Workshop on Machine Learning for Sensory Data Analysis (MLSDA), Workshop on Predictive Analytics for Critical Care (PACC), and Workshop on Data Mining in Business and Finance (WDMBF). The aim of these workshops was to provide forums for discussing research topics related to emerging data mining theories and real-life applications, where knowledge discovery was found to be necessary and/or useful.

The PAKDD 2016 workshops received a total of 38 full-length paper submissions. Each submitted paper was rigorously reviewed by at least two Program Committee members. Although many papers were worthy of publication, only 23 regular papers could be accepted for presentation at the workshops and publication in this volume.

The general quality of submissions was high and the competition was tough. We would like to thank all the authors who submitted their papers on many exciting and important research topics to the PAKDD workshops. We thank the workshop organizers for their tremendous effort and valuable time to make the workshops possible. We also thank all the workshop participants and presenters for attending these workshops. It is our hope that the workshops will provide a lasting platform for disseminating the latest research results and practice of data-mining approaches and applications.

These workshops would not have been possible without the help of many colleagues. We would like to thank the Program Committee members for their invaluable review time and comments. Given the extremely tight review schedule, their effort to complete the review reports before the deadline was greatly appreciated. In addition, we found some reviewers' comments were truly excellent, as good as what is usually found in a survey paper—critical, constructive, and comprehensive. These comments were very helpful for us in selecting the papers.

Thank you all and may the papers collected in the volume inspire your thoughts and research.

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Trends and Applications in Knowledge Discovery and  
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Selected Papers

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