

Preface

The 2015 International Conference on Machine Learning and Signal Processing (MALSIP) was organized by the Malaysia Technical Scientist Association (MALTESAS) together with Newcastle University (Singapore campus). For this first installment, it was held in the historical city of Melaka, Malaysia, from June 12 to June 14, 2015. The conference chiefly focused on advances in and innovative technologies related to machine learning, signal processing, and their applications. The event, which drew participants from around the globe, was intended to bring together researchers and scientists working on signal processing and machine learning topics, offering them a forum to discuss recent advances in their research areas, exchange ideas, and lay the groundwork for future collaborations. Of the 95 manuscripts received, only 27 were ultimately accepted for publication in these conference proceedings.

The organizers of MALSIP 2015 were also delighted to have Professor Dr. M. Iqbal Saripan from Universiti Putra Malaysia (UPM) as a keynote speaker. He presented his work on “Digital Image Processing Applications in Nuclear Medical Imaging Systems,” discussing both single modality and hybrid modality approaches in nuclear medical imaging (NMI), as well as the implementation of digital image processing to enable the use of NMI in medical diagnostics.

In total, 357 experts in signal processing and machine learning from various countries across the globe were selected to act as reviewers of manuscripts for MALSIP 2015, covering a wide range of topics relating to signal processing techniques and their applications.

This book highlights the latest technologies and trends in machine learning and signal processing techniques, offering a valuable resource for researchers and practitioners alike.

The editors wish to express their gratitude to the Malaysia Technical Scientist Association (MALTESAS) and Newcastle University (Singapore campus), as well as Event Management, Skaievent Technovation and Narujaya Consultant Enterprise, for organizing and supporting this very successful conference.

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