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E-mail: patricia.anthony@lincoln.ac.nz

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University of Tokyo, School of Information Science and Technology
7-3-1, Hongo, Bunkyo-ku
Tokyo 113-8656, Japan
E-mail: ishizuka@i.u-tokyo.ac.jp

Dickson Lukose
MIMOS Berhad, Knowledge Technology
Technology Park Malaysia
Kuala Lumpur 57000, Malaysia
E-mail: dickson.lukose@mimos.my

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Preface

The Pacific Rim International Conferences on Artificial Intelligence (PRICAI) is a biennial international event. The PRICAI series aims at stimulating research by promoting exchange and cross-fertilization of ideas among different branches of artificial intelligence (AI). It also provides a common forum for researchers and practitioners in various fields of AI to exchange new ideas and share their experience.

This volume contains the proceedings of the 12th Pacific Rim International Conference on Artificial Intelligence (PRICAI 2012) held in Kuching, Sarawak, Malaysia. PRICAI 2012 received 240 submissions from 43 countries. From these, 82 papers (34%) were accepted as regular and short papers and included in this volume. Eleven papers were accepted for poster presentations, and a four-page paper for each poster is included in this volume. All submitted papers were reviewed by three or more reviewers selected by the Program Committee members. The reviewers' evaluations and comments were carefully examined by the core members of the Program Committee to ensure fairness and consistency in the paper selection.

The papers in this volume give an indication of new movements in AI. The topics roughly include, in alphabetical order, AI foundations, applications of AI, cognition and intelligent interactions, computer-aided education, constraint and search, creativity support, decision theory, evolutionary computation, game playing, information retrieval and extraction, knowledge mining and acquisition, knowledge representation and logic, linked open data and semantic Web, machine learning and data mining, multimedia and AI, natural language processing, robotics, social intelligence, vision and perception, Web and text mining, Web and knowledge-based systems.

The technical program comprised two days of workshops and tutorials, followed by paper and poster sessions, invited talks, and six special sessions. The keynote speakers of PRICAI 2012 were Hiroaki Kitano (Sony CS Lab./System Biology Institute, Japan) and Francesca Rossi (University of Padova, Italy). In addition to these two talks, the participants of PRICAI 2012 could attend four invited talks of two other AI-related conferences co-located at the same venue: the 15th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2012) and the International Conference on Dublin Core and Metadata Applications (DC 2012).

The success of a conference depends on the support and cooperation from many people and organizations; PRICAI 2012 was no exception. PRICAI 2012 was supported by MIMOS Berhad, Malaysia. MIMOS organizes a yearly event called the Knowledge Technology Week, and this year PRICAI 2012 operated as the main part of this umbrella event.

We would like to take this opportunity to thank the authors, the Program Committee members, reviewers, and fellow members of the Conference Committee for their time and effort spent in making PRICAI 2012 a successful and enjoyable conference. We also thank the PRICAI Steering Committee, especially its Chair, Abdul Sattar, for giving us helpful advice.

Finally, we thank Springer, its computer science editor, Alfred Hofmann, and Anna Kramer, for their assistance in publishing the PRICAI 2012 proceedings as a volume in its *Lecture Notes in Artificial Intelligence* series.

September 2012

Patricia Anthony
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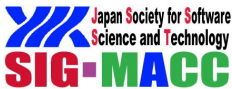
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