Research and Development in Intelligent Systems XXVI

Max Bramer · Richard Ellis · Miltos Petridis
Editors

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Incorporating Applications and Innovations in Intelligent Systems XVII

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PROGRAMME CHAIRS' INTRODUCTION

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This volume comprises the refereed papers presented at AI-2009, the Twenty-ninth SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, held in Cambridge in December 2009 in both the technical and the application streams. The conference was organised by SGAI, the British Computer Society Specialist Group on Artificial Intelligence.

The technical papers included new and innovative developments in the field, divided into sections on Knowledge Discovery and Data Mining, Reasoning, Data Mining and Machine Learning, Optimisation and Planning, and Knowledge Acquisition and Evolutionary Computation.

This year's prize for the best refereed technical paper was won by a paper entitled "Coping with Noisy Search Experiences" by Pierre-Antoine Champin (Université de Lyon, France) and Peter Briggs, Maurice Coyle and Barry Smyth (University College Dublin, Ireland). SGAI gratefully acknowledges the long-term sponsorship of Hewlett-Packard Laboratories (Bristol) for this prize, which goes back to the 1980s.

The application papers included present innovative applications of AI techniques in a number of subject domains. This year, the papers are divided into sections on AI and Design, Commercial Applications of AI and Further AI Applications.

This year's Rob Milne Memorial Award for the best refereed application paper was won by a paper entitled "Corpus Callosum MR Image Classification" by Ashraf Elsayed, Frans Coenen, Chuntao Jiang, Marta Garcia-Finana and Vanessa Sluming (University of Liverpool, UK).

The volume also includes the text of short papers presented as posters at the conference.

On behalf of the conference organising committee we would like to thank all those who contributed to the organisation of this year's programme, in particular the programme committee members, the executive programme committees and our administrators Rachel Browning and Bryony Bramer.

Max Bramer, Technical Programme Chair, AI-2009
Richard Ellis, Application Programme Chair, AI-2009

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