

Research and Development in Intelligent Systems XXVII

Max Bramer · Miltos Petridis · Adrian Hopgood
Editors

Research and Development in Intelligent Systems XXVII

Incorporating Applications and Innovations
in Intelligent Systems XVIII

Proceedings of AI-2010, The Thirtieth SGAI
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Intelligence

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PROGRAMME CHAIRS' INTRODUCTION

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This volume comprises the refereed papers presented at AI-2010, the Thirtieth SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, held in Cambridge in December 2010 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 Intelligent Agents, Knowledge Discovery and Data Mining, Evolutionary Algorithms, Bayesian Networks and Model-Based Diagnosis, Machine Learning and Planning and Scheduling.

This year's Donald Michie Memorial Award for the best refereed technical paper was won by a paper entitled "Effective Product Recommendation using the Real-Time Web" by S. Garcia Esparza, M. P. O'Mahony and B. Smyth (University College Dublin, Ireland).

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 Applications of Machine Learning I and II, AI for Scheduling and AI in Action.

This year's Rob Milne Memorial Award for the best refereed application paper was won by a paper entitled "Artificial Intelligence Techniques for the Berth Allocation and Container Stacking Problems in Container Terminals" by Miguel A. Salido, Mario Rodriguez-Molins and Federico Barber (Technical University of Valencia, Spain).

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-2010
Miltos Petridis, Application Programme Chair, AI-2010

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