Research and Development in Intelligent Systems XXVIII
Max Bramer · Miltos Petridis · Lars Nolle
Editors

Research and Development in Intelligent Systems
XXVIII

Incorporating Applications and Innovations in Intelligent Systems XIX

Proceedings of AI-2011, The Thirty-first SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence
PROGRAMME CHAIRS’ INTRODUCTION

M.A.BRAMER, University of Portsmouth, UK
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This volume comprises the refereed papers presented at AI-2011, the Thirty-first SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, held in Cambridge in December 2011 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 Planning, Evolutionary Algorithms, Speech and Vision, and Machine Learning.

This year's Donald Michie Memorial Award for the best refereed technical paper was won by a paper entitled "Random Prism: An Alternative to Random Forests" by F. Stahl and M. Bramer (University of Portsmouth, UK).

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 Knowledge Discovery and Data Mining, Machine Learning and AI in Action.

This year’s Rob Milne Memorial Award for the best refereed application paper was won by a paper entitled "Web Community Knowledge Extraction for myCBR 3" by C.Sauer and T.Roth-Berghofer (University of Hildesheim, Germany).

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 Mandy Bauer and Bryony Bramer.

Max Bramer, Technical Programme Chair, AI-2011
Miltos Petridis, Application Programme Chair, AI-2011
ACKNOWLEDGEMENTS

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