Research and Development in Intelligent Systems XXXIII

Incorporating Applications and Innovations in Intelligent Systems XXIV

Max Bramer · Miltos Petridis
Editors

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Proceedings of AI-2016, The Thirty-Sixth SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence

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Programme Chairs' Introduction

This volume comprises the refereed papers presented at AI-2016, the Thirty-sixth SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, held in Cambridge in December 2016 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 present new and innovative developments in the field, divided into sections on Knowledge Discovery and Data Mining, Sentiment Analysis and Recommendation, Machine Learning, AI Techniques, and Natural Language Processing. This year's Donald Michie Memorial Award for the best-refereed technical paper was won by a paper entitled "Harnessing Background Knowledge for E-learning Recommendation" by B. Mbipom, S. Craw and S. Massie (Robert Gordon University, Aberdeen, 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 legal liability, medicine and finance, telecoms and e-Learning, and genetic algorithms in action. This year's Rob Milne Memorial Award for the best-refereed application paper was won by a paper entitled "A Genetic Algorithm Based Approach for the Simultaneous Optimisation of Workforce Skill Sets and Team Allocation" by A.J. Starkey and H. Hagras (University of Essex, UK), S. Shakya and G. Owusu (British Telecom, 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 Mandy Bauer and Bryony Bramer.

Max Bramer, Technical Programme Chair, AI-2016

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