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Research and Development in Intelligent Systems XIX

**Proceedings of ES2002, the Twenty-second SGAI
International Conference on Knowledge Based Systems
and Applied Artificial Intelligence**

Springer

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TECHNICAL PROGRAMME CHAIRMAN'S INTRODUCTION

M.A.BRAMER

University of Portsmouth, UK

This volume comprises the refereed technical papers presented at ES2002, the Twenty-second SGAI International Conference on Knowledge Based Systems and Applied Artificial Intelligence, held in Cambridge in December 2002. The conference was organised by SGAI, the British Computer Society Specialist Group on Artificial Intelligence (previously known as SGES).

The papers in this volume present new and innovative developments in the field, divided into sections on Machine Learning, Knowledge Representation and Reasoning, Knowledge Acquisition, Constraint Satisfaction, Scheduling and Natural Language Processing.

This year's prize for the best refereed technical paper was won by a paper entitled *Covering the Path Space: A Casebase Analysis for Mobile Robot Path Planning* by M Kruusmaa (Department of Mechatronics, Tallinn Technical University, Estonia) and J Willemson (Department of Computer Science, Tartu University, Estonia). SGAI gratefully acknowledges the long-term sponsorship of Hewlett-Packard Laboratories (Bristol) for this prize, which goes back to the 1980s.

This is the nineteenth volume in the *Research and Development* series. The Application Stream papers are published as a companion volume under the title *Applications and Innovations in Intelligent Systems X*.

On behalf of the conference organising committee I should like to thank all those who contributed to the organisation of this year's technical programme, in particular the programme committee members, the referees and our administrators Lindsay Turbert and Helen Forster.

Max Bramer

Technical Programme Chairman, ES2002

ACKNOWLEDGEMENTS

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CONTENTS

BEST REFEREED TECHNICAL PAPER

Covering the Path Space: A Casebase Analysis for Mobile Robot Path Planning <i>M Kruusmaa and J Willemson</i>	3
--	---

SESSION 1A: MACHINE LEARNING 1

A Rough Set Model with Ontological Information for Discovering Maximal Association Rules in Document Collections <i>Y Bi, T Anderson and S McClean</i>	19
Simplest Rules Characterizing Classes Generated by δ -Free Sets <i>B Crémilleux and J F Boulicaut</i>	33
Epicurean-style Learning Applied to the Classification of Gene-Expression Data <i>A A Albrecht, S A Vinterbo and L Ohno-Machado</i>	47
Case and Feature Subset Selection in Case-based Software Project Effort Prediction <i>C Kirsopp and Martin Shepperd</i>	61

SESSION 1B: KNOWLEDGE REPRESENTATION AND REASONING 1

Generating Context-Based Explanations <i>A Edman</i>	77
Facilitating DL-based Hybrid Reasoning with Inference Fusion <i>B Hu, I Arana and E Compatangelo</i>	91
Representing and Eliciting “If... Then Rules”: An Empirical Analysis <i>D E O’Leary</i>	105
A Hybrid KRS to Treat Fuzzy and Taxonomic Knowledge <i>R M da Silva Julia, F E Muniz de Resende and A E Costa Pereira</i>	119

SESSION 2A: MACHINE LEARNING 2

SAT-Based Algorithms for Bayesian Network Inference <i>T K Satish Kumar</i>	135
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An Approach to Artificial Neural Network Training <i>I Czarnowski and P. Jedrzejowicz</i>	149
Genetic Algorithm Hybridized with Ruin and Recreate Procedure: Application to the Quadratic Assignment Problem <i>A Misevicius</i>	163
ECCLAT: A New Approach of Clusters Discovery in Categorical Data <i>N Durand and B Crémilleux</i>	177

SESSION 2B: KNOWLEDGE REPRESENTATION AND REASONING 2

Reverse Engineering Ontologies from Performance Systems <i>D Richards</i>	193
Ontology, Knowledge Management, Knowledge Engineering and the ACM Classification Scheme <i>J Kingston</i>	207
How Habermas' Action Types Can Influence KBS Design <i>G O Jones and A Basden</i>	221
Business Service Components: A Knowledge Based Approach <i>S Bandini, S Manzoni and P Mereghetti</i>	237

SESSION 3A: KNOWLEDGE ACQUISITION

Capturing Consensus Knowledge from Multiple Experts <i>F Afshar, J Yearwood and A Stranieri</i>	253
Improving Collaborative Personalized TV Services - A Study of Implicit and Explicit User Profiling <i>D Wilson, B Smyth and D O'Sullivan</i>	265
Personalized Information Ordering: A Case Study in Online Recruitment <i>K Bradley and B Smyth</i>	279
KA-Tool and Domain Construction for AI Planning Applications <i>R Aylett and C Doniat</i>	293

SESSION 3B: KNOWLEDGE REPRESENTATION AND REASONING 3

Holons and Agents. Do they Differ? <i>A Giret and V Botti</i>	309
Logic Programming Agents Playing Games <i>M De Vos and D Vermeir</i>	323
A Constraint Functional Logic Language for Solving Combinatorial Problems <i>A J Fernández, T Hortalá-González and Fernando Sáenz-Pérez</i>	337
OO Analysis Patterns as UML Metalevel Collaborations <i>A Manjarrés, S Pickin, G Sunyé, D Pollet and J M Jézéquel</i>	351

SESSION 4: CONSTRAINT SATISFACTION AND SCHEDULING

A Hybrid AI Approach to Staff Scheduling <i>G Winstanley</i>	367
A Contention-Oriented Timeslot Selection Heuristic for School Timetabling <i>A C M Kwan and K C K Chung</i>	381
CSP - There is more than one way to model it <i>G Renker, H Ahriz and I Arana</i>	395
A Polynomial Algorithm for Continuous Non-binary Disjunctive CSPs <i>M A Salido and F Barber</i>	409

SESSION 5: NATURAL LANGUAGE PROCESSING

Representing Requirements in Natural Language as Concept Lattices <i>D Richards and K Boettger</i>	425
Natural Language Understanding Using Generative Dependency Grammar <i>S Diaconescu</i>	439
Towards a Development Methodology for Managing Linguistic Knowledge Bases <i>F Sáenz and A Vaquero</i>	453
Author Index	467