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11th Australian Joint Conference
on Artificial Intelligence, AI'98
Brisbane, Australia, July 13-17, 1998
Selected Papers

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Preface

AI'98 is the 11th in a series of annual conferences on artificial intelligence held in Australia. The aim of the conference is to serve the AI community in Australia by providing a forum for discussions and the presentation of the most recent ideas and results. The conferences have traditionally attracted significant international participation, as was again the case with AI'98.

The current volume is based on the proceedings of AI'98. Full-length versions of all submitted papers were refereed by the international program committees. As a result 28 papers – less than half of those submitted – were selected for publication in this volume.

The conference comprised a scientific track, an applications track, workshop and tutorial programs, and an invited session on philosophical aspects of AI. In addition there were three invited keynote speakers: Peter Cheeseman of the NASA Ames Center, Norman Foo of the University of New South Wales, and Bart Selman of Cornell University.

We extend our thanks to the members of the program committees who did an excellent job under very tight time constraints. Special thanks are due to Catrina Waterson and Joe Elso for making the paper reviewing process possible, and to Susan Williams and the other people of Conventions Queensland for organising the conference. We are also grateful to the Australian National Committee for Artificial Intelligence and Expert Systems, Griffith University, the Australian National University, and the University of New South Wales for their financial support of the conference. Finally, we would like to thank everybody else who contributed to the organization of AI'98, and of course the participants and authors without whom it could not have taken place.

Brisbane, July 1998

Grigoris Antoniou, Conference Co-Chair
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Table of Contents

Philosophy of Artificial Intelligence

Why (A Kind of) AI Can't Be Done 1
Terry Dartnall

Representation by Correspondence: An Inadequate Conception of Knowledge for Artificial Systems 15
Robert L. Campbell

Genuine Representation in Artificial Systems 27
Mark H. Bickhard

Applications Track

Using Fuzzy Logic to Mitigate the Effect of Multiple-Sclerosis Tremors on a Wheelchair Joystick Controller 39
Dan Corbett and Berend-Jan van der Zwaag

Thinking Quickly: Agents for Modeling Air Warfare 47
Clint Heinze, Bradley Smith and Martin Cross

Scientific Track

Plan Execution in a Hostile Dynamic Environment 59
S. Au, J. Liang and N. Parameswaran

A Labelled Sequent System for Tense Logic K_t 71
Nicolette Bonnette and Rajeev Goré

Integrating Reactive and Reflective Reasoning by Generating Rational Models 83
Sven-Erik Bornscheuer

On the Combination of Partial Action Descriptions 95
Sven-Erik Bornscheuer and Helko Lehmann

A Mechanisation of Classical Modal Tense Logics Using Isabelle 107
Jeremy E. Dawson and Rajeev Goré

Constructing an Intelligent Multi-Agent Workflow System 119
John Debenham

First-Order Bayesian Reasoning 131
Ingrid Fabian and Dale A. Lambert

Learning Intelligent Behavior 143
Mohamed Salah Hamdi and Karl Kaiser

A Formal Embedding of AgentSpeak(L) in 3APL 155
Koen V. Hindriks, Frank S. de Boer, Wiebe van der Hoek and John-Jules Ch. Meyer

Recurrent Neural Networks to Approximate the Semantics of Acceptable Logic Programs 167
Steffen Hölldobler, Yvonne Kalinke and Hans-Peter Störr

Computation in Recurrent Neural Networks: From Counters to Iterated Function Systems 179
Yvonne Kalinke and Helko Lehmann

Performance of a Comprehensive and Efficient Constraint Library Based on Local Search 191
J.H.M. Lee, H.F. Leung and H.W. Won

Helicopter Flight Condition Recognition: A Minimalist Approach 203
D.C. Lombardo

A Study of Provability in Defeasible Logic 215
M.J. Maher, G. Antoniou and D. Billington

Lower Bounds on the Size of Test Data Sets 227
Tim Menzies and Sam Waugh

cardT^AP: Automated Deduction on a Smart Card 239
Andrew Slater, Rajeev Goré, Joachim Posegga and Harald Vogt

Constraint Resolution within Object Hierarchies 249
Hongxue Wang

The Temporal QCM Modelling Language 261
Sam Waugh, Brian Hanlon and Tim Menzies

The Problem of Missing Values in Decision Tree Grafting 273
Geoffrey I. Webb

Adjusted Probability Naive Bayesian Induction 285
Geoffrey I. Webb and Michael J. Pazzani

Strategic Behaviour-based Reasoning with Dynamic, Partial Information 297
James Westendorp, Paul Scerri and Lawrence Cavedon

Representing Defeasible Constraints and Observations in Action Theories 309
Yan Zhang

Stochastic Attribute Selection Committees 321
Zijian Zheng and Geoffrey I. Webb

Author Index 333