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Series Editors

Jaime G. Carbonell, Carnegie Mellon University, Pittsburgh, PA, USA
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Volume Editors

Robin Cohen

University of Waterloo, Computer Science
200 University Ave. W., Waterloo, Ontario, Canada N2L 3G1
E-mail: rcohen@uwaterloo.ca

Bruce Spencer

National Research Council, IIT - e-Business
Incutech Brunswick, 2 Garland Court
Fredericton, New Brunswick, Canada E3B 6C2
E-mail: Bruce.Spencer@nrc.ca

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Preface

The AI conference series is the premier event sponsored by the Canadian Society for the Computational Studies of Intelligence / Société canadienne pour l'étude d'intelligence par ordinateur. Attendees enjoy our typically Canadian atmosphere – hospitable and stimulating. The Canadian AI conference showcases the excellent research work done by Canadians, their international colleagues, and others choosing to join us each spring. International participation is always high; this year almost 40% of the submitted papers were from non-Canadian researchers. We accepted 24 papers and 8 poster papers from 52 full-length papers submitted. We also accepted eight of ten abstracts submitted to the Graduate Student Symposium. All of these accepted papers appear in this volume.

The Canadian AI Conference is the oldest continuously-held national AI conference in the world. (ECCAI's predecessor, AISB, held meetings in 1974, but these have since become international.) Conferences have been held biennially since 1976, and annually since 2000. AI 2002 again joined its sister Canadian computer science conferences, Vision Interface and Graphics Interface, enriching the experience for all participants. The joint meeting allows us to stay informed about other areas, to make new contacts, and perhaps to investigate cross-disciplinary research. This year the conferences was held on the beautiful campus of the University of Calgary, and many participants took the opportunity to tour nearby Banff and the magnificent Rocky Mountains.

To mark the second quarter-century of the conference, we invited three of the founders of the society to give invited talks: Zenon Pylyshyn, Alan Mackworth, and Len Schubert. Their foresight and efforts, at that time and continuing until this, mark a milestone in Canadian AI worth celebrating. Canadians are reputedly overly modest (although we boast about our olympic gold medals!). However, at AI 2002, we wished to applaud those who first recognized that Canadian AI researchers need a society to support them – to give them an identity, a community, and a voice.

We are grateful to many: to the American Association for Artificial Intelligence and to the National Research Council Canada for supporting the Graduate Symposium, allowing many graduate students to attend and to display and present their work; to CSCSI's president Bob Mercer for keeping the flame, and to its treasurer Howard Hamilton for tending it; to Camille Sinanan for coordinating the local arrangements for all three conferences; to Ali Ghorbani the AI 2002 chair; to the program committee and the referees for their dedication to the vital task of assessing scientific content; to the authors for contributing the material that is the main attraction; again to our invited speakers; to Alfred Hofmann and Karin Henzold of Springer-Verlag for their assistance in preparing these proceedings; to the organizers of VI and GI conferences for their collegiality while coordinating from a distance; and to the participants, for making all of the effort worthwhile.

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Table of Contents

Agents – 1

Modeling Organizational Rules in the Multi-agent Systems Engineering Methodology	1
<i>Scott A. DeLoach</i>	
AERO: An Outsourced Approach to Exception Handling in Multi-agent Systems	16
<i>David Chen and Robin Cohen</i>	
A Learning Algorithm for Buying and Selling Agents in Electronic Marketplaces	31
<i>Thomas Tran and Robin Cohen</i>	

Search – 1

Grid-Based Path-Finding	44
<i>Peter Yap</i>	
Transposition Table Driven Work Scheduling in Distributed Game-Tree Search	56
<i>Akihiro Kishimoto and Jonathan Schaeffer</i>	
Clue as a Testbed for Automated Theorem Proving	69
<i>Eric Neufeld</i>	

Neural Nets

A Noise Filtering Method for Inductive Concept Learning	79
<i>George V. Lashkia</i>	
The Task Rehearsal Method of Life-Long Learning: Overcoming Impoverished Data	90
<i>Daniel L. Silver and Robert E. Mercer</i>	

Invited Talk

Recycling the Cycle of Perception: A Polemic	102
<i>Alan Mackworth</i>	

Search – 2

Generalized Arc Consistency with Application to MaxCSP	104
<i>Michael C. Horsch, William S. Havens, and Aditya K. Ghose</i>	
Two-Literal Logic Programs and Satisfiability Representation of Stable Models: A Comparison	119
<i>Guan-Shieng Huang, Xiumei Jia, Churn-Jung Liao, and Jia-Huai You</i>	
Using Communicative Acts to Plan the Cinematographic Structure of Animations	132
<i>Kevin Kennedy and Robert E. Mercer</i>	

Learning

Mining Incremental Association Rules with Generalized FP-Tree	147
<i>Christie I. Ezeife and Yue Su</i>	
Topic Discovery from Text Using Aggregation of Different Clustering Methods	161
<i>Hanan Ayad and Mohamed Kamel</i>	
Genetic Algorithms for Continuous Problems	176
<i>James R. Parker</i>	

Probability

On the Role of Contextual Weak Independence in Probabilistic Inference ..	185
<i>Cory J. Butz and Manon J. Sanscartier</i>	
A Structural Characterization of DAG-Isomorphic Dependency Models	195
<i>S. K. M. Wong, D. Wu, and T. Lin</i>	
Construction of a Non-redundant Cover for Conditional Independencies ...	210
<i>S. K. M. Wong, T. Lin, and D. Wu</i>	

Agents – 2

Using Inter-agent Trust Relationships for Efficient Coalition Formation ...	221
<i>Silvia Breban and Julita Vassileva</i>	
Using Agent Replication to Enhance Reliability and Availability of Multi-agent Systems	237
<i>Alan Fedoruk and Ralph Deters</i>	

Natural Language

An Efficient Compositional Semantics for Natural-Language Database Queries with Arbitrarily-Nested Quantification and Negation	252
<i>Richard Frost and Pierre Boulos</i>	
Text Summarization as Controlled Search	268
<i>Terry Copeck, Nathalie Japkowicz, and Stan Szpakowicz</i>	
QUANTUM: A Function-Based Question Answering System	281
<i>Luc Plamondon and Leila Kosseim</i>	
Generic and Query-Based Text Summarization Using Lexical Cohesion	293
<i>Yllias Chali</i>	

Poster Papers

Natural Language

A Lexical Functional Mapping Algorithm	303
<i>Tamer S. Mahdi and Robert E. Mercer</i>	
A Constructive Approach to Parsing with Neural Networks – The Hybrid Connectionist Parsing Method	310
<i>Christel Kemke</i>	
Extraction of Text Phrases Using Hierarchical Grammar	319
<i>Jan Bakus, Mohamed Kamel, and Tom Carey</i>	

Learning

An Enhanced Genetic Algorithm Approach to the Channel Assignment Problem in Mobile Cellular Networks	325
<i>G. Grewal, T. Wilson, and C. Nell</i>	
RFCT: An Association-Based Causality Miner	334
<i>Kamran Karimi and Howard J. Hamilton</i>	
Retrieval of Short Documents from Discussion Forums	339
<i>Fulai Wang and Jim Greer</i>	

Probability

Application of Bayesian Networks to Shopping Assistance	344
<i>Yang Xiang, Chenwen Ye, and Deborah Ann Stacey</i>	

Agents

Electronic Contract Framework for Contractual Agents	349
<i>Mathias Sallé</i>	

Graduate Student Symposium

User Models: Customizing E-Commerce Websites to the Context of Use ...	354
<i>Rony Abi-Aad, Thiruvengadam Radhakrishnan, and Ahmed Seffah</i>	
Supporting the Needs of Mobile Home Care Workers: A Case Study for Saskatoon District Health System	356
<i>Golha Sharifi, Julita Vassileva, and Ralph Deters</i>	
Multi-agent System Architecture for Computer-Based Tutoring Systems ..	358
<i>Elhadi Shakshuki and P. Kajanpotisuwann</i>	
Word Prediction Evaluation Measures with Performance Benchmarking ...	361
<i>Alfred I. Renaud</i>	
Relaxed Unification – Proposal	364
<i>Tony Abou-Assaleh and Nick Cercone</i>	
A Learning Algorithm for Buying and Selling Agents in Electronic Marketplaces	366
<i>Thomas Tran and Robin Cohen</i>	
cbCPT: Knowledge Engineering Support for CPTs in Bayesian Networks ..	368
<i>Diego Zapata-Rivera</i>	
Query-Less Retrieval of Interesting Postings in a WebForum	371
<i>Laxmikanta Mishra</i>	
Author Index	373