

Contents

Formal Models of Agency

Specifying Communicative Multi-Agent Systems (Invited Paper)1
Steven Shapiro, Yves Lespérance and Hector J. Levesque

Making it Up as they Go along: A Theory of Reactive Cooperation (Invited Paper) 15
Michael Wooldridge and Afsaneh Haddadi

Agency and the Logic of Ability 31
Wayne Wobcke

On the Relation between Interpreted Systems and Kripke Models 46
Alessio Lomuscio and Mark Ryan

Reasoning Agents

Disjunctive Logic Programming and Possible Model Semantics ... 60
(Invited Paper)
Li-Yan Yuan, Jia-Huai You and Randy Goebel

A Non-monotonic ATMS Based on Annotated Logic Programs with Strong Negation ... 79
Kazumi Nakamatsu and Atsuyuki Suzuki

Switching between Reasoning and Search 94
Greg Gibbon and Janet Aisbett

Communication and Coordination

The Social Dimension of Interactions in Multiagent Systems 109
Bernard Moulin

Generating States of Joint Commitment between Autonomous Agents .. 123
Timothy J. Norman and Nicholas R. Jennings

Social Co-ordination among Autonomous Problem-Solving Agents 134
Sascha Ossowski and Ana García-Serrano

An Algorithm for Plan Verification in Multiple Agent Systems ..	149
<i>Chengqi Zhang and Yuefeng Li</i>	

Social Interaction

A Framework for Coordination and Learning among Teams of ...	164
Agents	

Hung Hai Bui, Svetha Venkatesh and Dorota Kieronska

An Iterated Hawk-and-Dove Game	179
---	------------

Bengt Carlsson and Stefan Johansson

A Game-Theoretic Solution of Conflicts among Competitive	193
Agents	

Satoru Yoshida, Nobuhiro Inuzuka, Tin Tin Naing, Hirohisa Seki and Hidenori Itoh

Practical Issues for DAI Systems

Transformation between the EMYCIN Model and the	205
Bayesian Network	

Chengqi Zhang and Xudong Luo

Using Multi-agent Approach for the Design of an Intelligent	220
Learning Environment	

Dong Mei Zhang, Leila Alem and Kalina Yacef

A Case-Based Strategy for Solution Synthesis among	231
Cooperative Expert Systems	

Minjie Zhang

Author Index	241
---------------------------	------------



<http://www.springer.com/978-3-540-64769-0>

Agents and Multi-Agent Systems Formalisms,
Methodologies, and Applications
Based on the AI'97 Workshops on Commonsense
Reasoning, Intelligent Agents, and Distributed Artificial
Intelligence, Perth, Australia, December 1, 1997.
Wobcke, W.; Pagnucco, M.; Zhang, C. (Eds.)
1998, XII, 244 p., Softcover
ISBN: 978-3-540-64769-0