

Table of Contents

Cooperation

Flexible Multi-agent Collaboration Using Pattern Directed Message Collaboration of Field Reactor Model	1
<i>Tadashige Iwao, Makoto Okada, Yuji Takada and Makoto Amamiya</i>	
Reliable Agent Communication – A Pragmatic Perspective	16
<i>David Kinny</i>	
Formal Semantics of Acknowledgements, Agreements and Disagreements ...	32
<i>Norihiro Ogata</i>	
Making Rational Decisions in N-by-N Negotiation Games with a Trusted Third Party	47
<i>Shih-Hung Wu and Von-Wun Soo</i>	
The Security Mechanism in Multiagent System AOSDE	62
<i>Zhongzhi Shi, Ju Wang and Hu Cao</i>	

Mobility

Remote Messaging Mechanism Supporting Agent Mobility Based on CORBA	72
<i>Byung-Rae Lee, Kyung-Ah Chang and Tai-Yun Kim</i>	
Persisting Autonomous Workflow for Mobile Agents Using a Mobile Thread Programming Model	84
<i>Minjie Zhang and Wei Li</i>	
Mobile Robot Navigation by Distributed Vision Agents	96
<i>Takushi Sogo, Hiroshi Ishiguro and Toru Ishida</i>	

Learning

Rationality of Reward Sharing in Multi-agent Reinforcement Learning	111
<i>Kazuteru Miyazaki and Shigenobu Kobayashi</i>	
How to Design Good Rules for Multiple Learning Agents in Scheduling Problems?	126
<i>Keiki Takadama, Masakazu Watabe, Katsunori Shimohara and Shinichi Nakasuka</i>	
Hierarchical Multi-agent Organization for Text Database Discovery	141
<i>Yong S. Choi, Jaeho Lee and Suk I. Yoo</i>	

Interfacing

Predicting User Actions Using Interface Agents with
Individual User Models 154
Jung-Jin Lee and Robert McCartney

Gleams of People: Monitoring the Presence of People with
Multi-agent Architecture 170
Takeshi Ohguro, Sen Yoshida and Kazuhiro Kuwabara

System Design

Distributed Fault Location in Networks Using Learning Mobile Agents 182
Tony White and Bernard Pagurek

Designing Multi-Agent Reactive Systems: A Specification Method Based
on Reactive Decisional Agents 197
Bouchaib Bounabat, Rahal Romadi and Salah Labhalla

A Class of Isomorphic Transformations for Integrating EMYCIN-Style
and PROSPECTOR-Style Systems into a Rule-Based
Multi-Agent System 211
Xudong Luo, Chengqi Zhang and Ho-fung Leung

An Agent Architecture for Strategy-Centric Adaptive QoS Control
in Flexible Videoconference System 226
*Takuo Suganuma, SungDoke Lee, Takuji Karahashi, Tetsuo Kinoshita
and Norio Shiratori*

Author Index 241

Approaches to Intelligent Agents
Second Pacific Rim International Workshop on
Multi-Agents, PRIMA'99, Kyoto, Japan, December 2-3,
1999 Proceedings
Nakashima, H.; Zhang, C. (Eds.)
1999, XII, 248 p., Softcover
ISBN: 978-3-540-66823-7