

Table of Contents

Invited Papers

Using Incentives to Obtain Truthful Information	3
<i>Boi Faltings</i>	
Model Driven Design of Multiagent Systems	11
<i>Klaus Fischer, Stefan Warwas, and Ingo Zinnikus</i>	

Part I: Artificial Intelligence

Probabilistic Connection between Cross-Validation and Vapnik Bounds	31
<i>Przemysław Klęsk</i>	
A Time-Varying Model to Simulate a Collective Decisional Problem	56
<i>A. Imoussaten, J. Montmain, A. Rico, and F. Rico</i>	
Setting Up Particle Swarm Optimization by Decision Tree Learning Out of Function Features	72
<i>Tjorben Bogon, Georgios Poursanidis, Andreas D. Lattner, and Ingo J. Timm</i>	
Collision Avoidance Using Partially Controlled Markov Decision Processes	86
<i>Mykel J. Kochenderfer and James P. Chryssanthacopoulos</i>	
A Restricted Model Space Approach for the Detection of Epistasis in Quantitative Trait Loci Using Markov Chain Monte Carlo Model Composition	101
<i>Edward L. Boone, Susan J. Simmons, and Karl Ricanek</i>	
Reasoning about Interest-Based Preferences	115
<i>Wietske Visser, Koen V. Hindriks, and Catholijn M. Jonker</i>	
Advantages of Information Granulation in Clustering Algorithms	131
<i>Urszula Kuźelewska</i>	
Modeling Motivations, Personality Traits and Emotional States in Deliberative Agents Based on Automated Planning	146
<i>Daniel Pérez-Pinillos, Susana Fernández, and Daniel Borrajo</i>	
Symbolic State-Space Exploration and Guard Generation in Supervisory Control Theory	161
<i>Zhennan Fei, Sajed Miremedi, Knut Åkesson, and Bengt Lennartson</i>	

Developing Goal-Oriented Normative Agents: The NBDI Architecture.....	176
<i>Baldoino F. dos Santos Neto, Viviane Torres da Silva, and Carlos J.P. de Lucena</i>	
Evaluation of Environment Contextual Services in Multiagent Systems	192
<i>Flavien Balbo, Julien Saunier, and Fabien Badeig</i>	
Data Streams Classification: A Selective Ensemble with Adaptive Behavior	208
<i>Valerio Grossi and Franco Turini</i>	
On kNN Classification and Local Feature Based Similarity Functions ...	224
<i>Giuseppe Amato and Fabrizio Falchi</i>	
Web Service Composition Plans in OWL-S	240
<i>Eva Ziaka, Dimitris Vrakas, and Nick Bassiliades</i>	
Convergence Classification and Replication Prediction for Simulation Studies	255
<i>Andreas D. Lattner, Tjorben Bogon, and Ingo J. Timm</i>	
 Part II: Agents	
The Life of Concepts: An ABM of Conceptual Drift in Social Groups ...	271
<i>Enrique Canessa, Sergio Chaigneau, and Ariel Quezada</i>	
Improving File Sharing Experience with Incentive Based Coalitions.....	287
<i>M.V. Belmonte, M. Díaz, and A. Reyna</i>	
Basics of Intersubjectivity Dynamics: Model of Synchrony Emergence When Dialogue Partners Understand Each Other	302
<i>Ken Prepin and Catherine Pelachaud</i>	
Stability and Optimality in Matching Problems with Weighted Preferences.....	319
<i>Maria Silvia Pini, Francesca Rossi, Kristen Brent Venable, and Toby Walsh</i>	
A Conditional Game-Theoretic Approach to Cooperative Multiagent Systems Design	334
<i>Wynn Stirling</i>	
On the Design of Agent-Based Artificial Stock Markets	350
<i>Olivier Brandouy, Philippe Mathieu, and Iryna Veryzhenko</i>	
Defining Virtual Organizations Following a Formal Approach	365
<i>Sergio Esparcia and Estefanía Argente</i>	

Reinforcement Learning for Self-organizing Wake-Up Scheduling in Wireless Sensor Networks	382
<i>Mihail Mihaylov, Yann-Aël Le Borgne, Karl Tuyls, and Ann Nowé</i>	
Self-Organizing Logistics Process Control: An Agent-Based Approach . . .	397
<i>Jan Ole Berndt</i>	
Manipulation of Weighted Voting Games and the Effect of Quota	413
<i>Ramoni O. Lasisi and Vicki H. Allan</i>	
Distributed Consequence Finding: Partition-Based and Cooperative Approaches	429
<i>Katsumi Inoue, Gauvain Bourgne, and Takayuki Okamoto</i>	
Author Index	445