

Contents

Workshop on Agents and Multi-agent Systems for AAL and e-HEALTH (A-HEALTH)

Results of a Pilot Study with a Robot Instructor for Group Exercise at a Senior Living Community	3
<i>Lundy Lewis, Ted Metzler, and Linda Cook</i>	
FRIENDLY & KIND with your Health: Human-Friendly Knowledge-INTensive Dynamic Systems for the e-Health Domain	15
<i>Federica Aielli, Davide Ancona, Pasquale Caianiello, Stefania Costantini, Giovanni De Gasperis, Antinisca Di Marco, Angelo Ferrando, and Viviana Mascardi</i>	
Multi Agent Application for Chronic Patients: Monitoring and Detection of Remote Anomalous Situations	27
<i>Daniel Hernández, Gabriel Villarrubia, Alberto L. Barriuso, Álvaro Lozano, Jorge Revuelta, and Juan F. De Paz</i>	
Improving the Distribution of Services in MAS	37
<i>Jesús A. Román, Sara Rodríguez, and Fernando de la Prieta</i>	

Workshop on Agents-Based Solutions for Manufacturing and Supply Chain (AMSC)

A Multi-level and Multi-agent Approach to Modeling and Solving Supply Chain Problems	49
<i>Jarosław Wikarek and Paweł Sitek</i>	
Supply Chain Logistics Platform as a Supply Chain Coordination Support . . .	61
<i>Katarzyna Grzybowska and Brigita Gajšek</i>	
A Multi-agent Framework for Cost Estimation of Product Design	73
<i>Marcin Relich and Paweł Pawlewski</i>	
How to Simulate Transportation Disturbances in the Logistic Process?.	85
<i>Patrycja Hoffa-Dabrowska</i>	
An Approach to Represent Material Handlers as Agents in Discrete-Event Simulation Models	98
<i>Allen G. Greenwood</i>	

Using DES/ABS Approach to Model and Simulate Bus Assembling Process. . .	110
<i>Pawel Pawlewski and Kamila Kluska</i>	

Workshop on MAS for Complex Networks and Social Computation (CNSC)

Overview of Case Studies on Adapting MABS Models to GPU Programming	125
<i>Emmanuel Hermellin and Fabien Michel</i>	
Holonic Multiagent Simulation of Complex Adaptive Systems	137
<i>Rafik Hadfi and Takayuki Ito</i>	
Multiagent Social Influence Detection Based on Facial Emotion Recognition	148
<i>Pankaj Mishra, Rafik Hadfi, and Takayuki Ito</i>	
Self-regulation of Social Exchange Processes: A Model Based in Drama Theory.	161
<i>Renata G. Wotter, Diana F. Adamatti, and Graçaliz P. Dimuro</i>	
JGOMAS 2.0: A Capture-the-Flag Game Using Jason Agents and Human Interaction	173
<i>Luis Hernandez, Sergio Esparcia, Vicente Julian, and Carlos Carrascosa</i>	

**Workshop on Decision Making in Dynamic Information Environments
(DeMaDIE)**

An Immune Multi-agent Based Decision Support System for the Control of Public Transportation Systems	187
<i>Salima Mnif, Sabeur Elkosantini, Saber Darmoul, and Lamjed Ben Said</i>	
Argumentation-Based Reasoning with Preferences.	199
<i>Kristijonas Čyras</i>	
Almost Fair: Conjoint Measurement Theory and Score-Based Bargaining Solutions	211
<i>Joe McCool and Isaac Davis</i>	
Tracking Users Mobility at Public Transportation	224
<i>Nuno Baeta, Agnelo Fernandes, and João Ferreira</i>	
Energy Planning Decision-Making Under Uncertainty Based on the Evidential Reasoning Approach	236
<i>Hamza Sellak, Brahim Ouhbi, and Bouchra Frikh</i>	

Orientation System Based on Speculative Computation and Trajectory Mining	250
<i>João Ramos, Tiago Oliveira, Ken Satoh, José Neves, and Paulo Novais</i>	
The Effect of Decision Satisfaction Prediction in Argumentation-Based Negotiation	262
<i>João Carneiro, Diogo Martinho, Goreti Marreiros, and Paulo Novais</i>	
Experiments with Multiple BDI Agents with Dynamic Learning Capabilities	274
<i>Amelia Bădică, Costin Bădică, Maria Ganzha, Mirjana Ivanović, and Marcin Paprzycki</i>	
Workshop on Intelligent Systems and Context Information Fusion (ISCIF)	
Measuring Heterogeneous User Behaviors During the Interaction with Dialog Systems.	289
<i>David Griol and José Manuel Molina</i>	
A Data Fusion Model for Ambient Assisted Living.	301
<i>Javier Jiménez Alemán, Nayat Sánchez-Pi, Luis Martí, José Manuel Molina, and Ana Cristina Bicharra Garcia</i>	
CIALCO: Alternative Marketing Channels	313
<i>Washington R. Padilla and H. Jesús García</i>	
An Intelligent Agent-Based Journalism Platform	322
<i>Alberto L. Barriuso, Fernando de La Prieta, Álvaro Lozano Murciego, Daniel Hernández, and Jorge Revuelta Herrero</i>	
Belief-Based Argumentation in Intelligence Analysis and Decision Making. . .	333
<i>James Llinas and Galina Rogova</i>	
Workshop on Multi-agent Based Applications for Energy Markets, Smart Grids and Sustainable Energy Systems (MASGES)	
Decentralized Coalition Formation in Agent-Based Smart Grid Applications . . .	343
<i>Jörg Bremer and Sebastian Lehnhoff</i>	
Agent-Based Modelling of Cost Efficient and Stable Transmission Grid Expansion Planning.	356
<i>Johannes Hiry, Jonas von Haebler, Ulf Häger, Christian Rehtanz, Gerardo Blanco, and Aldo Martinez</i>	

Evaluation of Aggregated Systems in Smart Grids: An Example Use-Case for the Energy Option Model	369
<i>Nils Loose, Yudha Nurdin, Sajad Ghorbani, Christian Derksen, and Rainer Unland</i>	
Network Operator Agent: Endowing MASCEM Simulator with Technical Validation	381
<i>Ana Freitas, Isabel Praça, Tiago Pinto, Tiago Sousa, and Zita Vale</i>	
Electricity Markets Ontology to Support MASCEM's Simulations.	393
<i>Gabriel Santos, Tiago Pinto, Zita Vale, Isabel Praça, and Hugo Morais</i>	
Workshop on Multiagent System Based Learning Environments (MASLE)	
A Proposal to Integrate Context-Awareness Services to Enhance CSCL Environments Based on Intelligent Agents	407
<i>Santiago Álvarez, Oscar M. Salazar, and Demetrio A. Ovalle</i>	
Recommendation System of Educational Resources for a Student Group	419
<i>Paula Rodríguez, Mauricio Giraldo, Valentina Tabares, Néstor Duque, and Demetrio Ovalle</i>	
ILOMAS: An Intelligent Learning Objects Implementation Study Case	428
<i>João de Amorim Jr. and Ricardo Azambuja Silveira</i>	
The Teaching Evaluation Model: A Web Application Framework	435
<i>Ida Verna, Edgardo Bucciarelli, Gianfranco Giulioni, and Marcello Silvestri</i>	
Author Index	445

Highlights of Practical Applications of Scalable
Multi-Agent Systems. The PAAMS Collection
International Workshops of PAAMS 2016, Sevilla, Spain,
June 1-3, 2016. Proceedings
Bajo, J.; Escalona, M.J.; Giroux, S.; Hoffa-Dąbrowska, P.;
Julián, V.; Novais, P.; Sánchez-Pi, N.; Unland, R.; Silveira,
R.A. (Eds.)
2016, XVIII, 446 p. 164 illus., Softcover
ISBN: 978-3-319-39386-5