

Table of Contents

I Dynamic Systems

Adaptive Scaling Up/Down for Elastic Clouds	3
<i>Ichiro Satoh</i>	
A Dynamic Model to enhance the Distributed Discovery of SWs in P2P Overlay Networks	13
<i>Adel Boukhadra, Karima Benatchba and Amar Balla</i>	
Simulation of Dynamic Systems Using BDI Agents: Initial Steps	23
<i>Amelia Bădică and Costin Bădică and Marius Brezovan</i>	

II Internet of Things

A Multi-Agent Middleware for the Deployment of Distributed Applications in Smart Environments	37
<i>Ferdinand Pierre, Cédric Dinont, Amal El Fallah Seghrouchni and Patrick Taillibert</i>	
A Guidance of Ambient Agents Adapted to Opportunistic Situations	47
<i>Ahmed-Chawki Chaouche, Jean-Michel Ilié and Djamel Eddine Saïdouni</i>	
Extended Context Patterns – A Visual Language for Context-Aware Applications.....	57
<i>Andrei Olaru and Adina Magda Florea</i>	
MDE4IoT: Supporting the Internet of Things with Model-Driven Engineering	67
<i>Federico Ciccozzi and Romina Spalazzese</i>	

III Security

Detection of traffic anomalies in multi-service networks based on a fuzzy logical inference	79
<i>Igor Saenko, Sergey Ageev, and Igor Kotenko</i>	
Reconfiguration of RBAC schemes by genetic algorithms	89
<i>Igor Saenko and Igor Kotenko</i>	
String-based Malware Detection for Android Environments.....	99
<i>Alejandro Martín, Héctor D. Menéndez and David Camacho</i>	

IV Space-Based Coordination

Optimal Configuration Model of a Fleet of Unmanned Vehicles for Interoperable Missions	111
<i>Gabriella Gigante, Domenico Pascarella, Salvatore Luongo, Carlo Di Benedetto, Angela Vozella, and Giuseppe Persechino</i>	
Spatial Tuples: Augmenting Physical Reality with Tuple Spaces	121
<i>Alessandro Ricci, Mirko Viroli, Andrea Omicini, Stefano Mariani, Angelo Croatti and Danilo Poanini</i>	
Exploring unknown environments with multi-modal locomotion swarm ...	131
<i>Zedadra Ouarda, Jouandeau Nicolas, Seridi Hamid and Fortino Giancarlo</i>	

V Behavioral Analysis

GroupTrust: Finding Trust-based Group Structures in Social Communities	143
<i>Antonello Comi, Lidia Fotia, Fabrizio Messina, Domenico Rosaci and Giuseppe M.L. Sarné</i>	
Non-intrusive Monitoring of Attentional Behavior in Teams	153
<i>Davide Carneiro, Dalila Dures, Javier Bajo and Paulo Novais</i>	
A Speculative Computation Approach for Conflict Styles Assessment with Incomplete Information	163
<i>Marco Gomes, Tiago Oliveira and Paulo Novais</i>	
Forming Classes in an e-Learning Social Network Scenario	173
<i>Pasquale De Meo, Lidia Fotia, Fabrizio Messina, Domenico Rosaci, Giuseppe M. L. Sarné</i>	

VI Optimization

Scheduling Optimization in Grid with VO Stakeholders' Preferences	185
<i>V. Toporkov, A. Toporkova, D. Yemelyanov, A. Bobchenkov and A. Tselishchev</i>	
On the Application of Bio-inspired Heuristics for Network Routing with Multiple QoS Constraints	195
<i>Miren Nekane Bilbao, Cristina Perfecto, Javier Del Ser, Xabier Landa</i>	

Dealing with the Best Attachment Problem via Heuristics	205
<i>M. Buzzanca, V. Carchiolo, A. Longheu, M. Malgeri and G. Mangioni</i>	

VII Data Management

Towards Collaborative Sensing using Dynamic Intelligent Virtual Sensors	217
<i>Radu-Casian Mihailescu, Jan Persson, Paul Davidsson, Ulrik Eklund</i>	
Intelligent Data Metrics for Urban Driving with Data Fusion and Distributed Machine Learning	227
<i>Fbio Silva, Artur Quintas, Jason J. Jung, Paulo Novais and Cesar Analide</i>	
A Probabilistic Sample Matchmaking Strategy for Imbalanced Data Streams with Concept Drift	237
<i>Jesus L. Lobo, Javier Del Ser, Miren Nekane Bilbao, Ibai Laña, Sancho Salcedo Sanz</i>	
Author Index	247

Intelligent Distributed Computing X
Proceedings of the 10th International Symposium on
Intelligent Distributed Computing - IDC 2016, Paris,
France, October 10-12 2016
Badica, C.; El Fallah Seghrouchni, A.; Beynier, A.;
Camacho, D.; Herpson, C.; Hindriks, K.; Novais, P. (Eds.)
2017, XIII, 248 p. 68 illus., Hardcover
ISBN: 978-3-319-48828-8