

Contents

Multiagent Methodology to Reduce the Bullwhip Effect in a Supply Chain.	1
<i>Borja Ponte, Raúl Pino, and David de la Fuente</i>	
Behavioural Investigations of Financial Trading Agents Using Exchange Portal (ExPo)	22
<i>Steve Stotter, John Cartlidge, and Dave Cliff</i>	
An Overview of the Interrelation Among Agent Systems, Learning Models and Formal Languages	46
<i>Leonor Becerra-Bonache and M. Dolores Jiménez-López</i>	
An Agent-Based Approach for Accident Analysis in Safety Critical Domains: A Case Study on a Runway Incursion Incident	66
<i>Tibor Bosse and Nataliya M. Mogles</i>	
Inference of Markov Chain Models by Using k-Testable Language: Application on Aging People	89
<i>Catherine Combes and Jean Azema</i>	
Finite Automata with Translucent Letters Applied in Natural and Formal Language Theory	107
<i>Benedek Nagy and László Kovács</i>	
Distributed Evacuation Route Planning Using Mobile Agents	128
<i>Alejandro Avilés, Munehiro Takimoto, and Yasushi Kambayashi</i>	
Situation Theory, Situated Information, and Situated Agents	145
<i>Roussanka Loukanova</i>	
Conditional Preference Networks Support Multi-issue Negotiations with Mediator	171
<i>Sujata Ghosh, Thiri Haymar Kyaw, and Rineke Verbrugge</i>	
Genetic Algorithm and Firefly Algorithm Hybrid Schemes for Cultivation Processes Modelling	196
<i>Olympia Roeva</i>	
Color Quantization with Magnitude Sensitive Competitive Learning Algorithm . . .	212
<i>Enrique Pelayo, David Buldain, and Carlos Orrite</i>	
A Subset-Based Ant Colony Optimisation with Tournament Path Selection for High-Dimensional Problems	232
<i>Emmanuel Sapin and Ed Keedwell</i>	

An Analysis of the Local Optima Storage Capacity of Hopfield Network Based Fitness Function Models	248
<i>Kevin Swingler and Leslie Smith</i>	
On the Alzheimer's Disease Diagnosis: Automatic Spontaneous Speech Analysis	272
<i>K. Lopez-de-Ipiña, J. Solé-Casals, J.B. Alonso, C.M. Travieso, M. Ecay, and P. Martínez-Lage</i>	
Synthesis of Multicomponent Reuse Water Networks by PSO Approach	282
<i>Mauro A.S.S. Ravagnani, Daniela E.G. Trigueros, Aparecido N. Módenes, and Fernando Espinoza-Quiñones</i>	
Author Index	295