

# Contents

<b>Intelligent Agents: Integrating Multiple Components Through a Symbolic Structure</b> . . . . .	1
Razvan Dinu, Tiberiu Stratulat and Jacques Ferber	
<b>An Architecture for Multi-Dimensional Temporal Abstraction Supporting Decision Making in Oil-Well Drilling</b> . . . . .	21
Odd Erik Gundersen and Frode Sørmo	
<b>A New Impulse Noise Filtering Algorithm Based on a Neuro-Fuzzy Network</b> . . . . .	41
Yueyang Li, Haichi Luo and Jun Sun	
<b>A Fuzzy System for Educational Tasks for Children with Reading and Writing Disabilities</b> . . . . .	57
Adalberto Bosco C. Pereira, Gilberto Nerino de Souza Jr., Dionne C. Monteiro and Leonardo B. Marques	
<b>Optimizing the Performance of a Refrigeration System Using an Invasive Weed Optimization Algorithm</b> . . . . .	79
Roozbeh Razavi-Far, Vasile Palade and Jun Sun	
<b>A New Cooperative Evolutionary Multi-Swarm Optimizer Algorithm Based on CUDA Architecture Applied to Engineering Optimization</b> . . . . .	95
Daniel Leal Souza, Otávio Noura Teixeira, Dionne Cavalcante Monteiro and Roberto Célio Limão de Oliveira	

<b>Hybrid Approach of Genetic Programming and Quantum-Behaved Particle Swarm Optimization for Modeling and Optimization of Fermentation Processes . . . . .</b>	<b>117</b>
Jun Sun, Vasile Palade, Zhenyu Wang and Xiaojun Wu	
<b>Hybrid Client Specific Discriminant Analysis and its Application to Face Verification . . . . .</b>	<b>137</b>
Xiao-Qi Sun, Xiao-Jun Wu, Jun Sun and Philippe Montesinos	

Combinations of Intelligent Methods and Applications

Proceedings of the 3rd International Workshop, CIMA

2012, Montpellier, France, August 2012

Hatzilygeroudis, I.; Palade, V. (Eds.)

2013, X, 156 p., Hardcover

ISBN: 978-3-642-36650-5