

Table of Contents

Índice

Page/Pág.

Logic Programming

Preference Logic Programs using Answer Sets	3
<i>Claudia Zepeda and Mauricio Osorio</i>	

Optimization and Classification

A Genetic Algorithm for Reassigning Work on the Assembly Line: A Real Scenario	17
<i>Sergio Ramirez-Campos, Luis Torres-Trevino, Gaston Cedillo-Campos, Jorge Villegas-Leza and Pedro Perez Villanueva</i>	
Scheduling Jobs in Flexible Manufacturing Cells with Genetic	31
<i>António Ferrolho and Manuel Crisóstomo</i>	
Decision Support Systems Intelligent to Predict and Optimize the Assembly Time for New Product Design Using a Fuzzy-Evolutionary Multimodal Approach.....	41
<i>Pérez V. Pedro, Torres-Trevino Luis, Carrum S. Elias and Ramirez C. Sergio</i>	
Maximum Entropy Stochastic Tasks Classification	53
<i>Miguel A. Toledo C. and J. Jesús Medel J.</i>	

Neural Networks and Evolutionary Algorithms

RBF Neural Network for Estimating Locational Marginal Prices in Deregulated Electricity Market.....	63
<i>Seema Nirved Pandey, Shekhar Verma and Laxmi Srivastava</i>	
Evonorm: Easy and Effective Implementation of Estimation of Distribution Algorithms.....	75
<i>Luis Torres-Trevino</i>	

Bioinformatics and Medical Applications

Generation of Linguistic Rules on the Genes Mediating the Development of Lung Adenocarcinoma	87
<i>Rajat K. De and Anupam Ghosh</i>	
A Counting Technique based on SVM-RFE for Selection and Classification of Microarray data.....	99
<i>Jose Crispin Hernandez Hernandez, Béatrice Duval and Jin-Kao Hao</i>	

Software for a X Ray Tomograph.....	109
<i>Rosario Martínez Gómez, Israel Vite Silva and Luis G. de la Fraga</i>	

Software Engineering

Evaluating the Evolution of Small Scale Open Source Software Systems	123
<i>Chanchal Kumar Roy and James R. Cordy</i>	

Cryptography and Security

Genetic Algorithm Attack on Simplified Data Encryption Standard Algorithm	139
<i>Poonam Garg</i>	
A File Protection Method for Peer-to-Peer Systems.....	151
<i>Antonio Liotta, Rossana Motta and Ling Lin</i>	

Computer Networks

Integrating the Enterprise Service Bus in the Service Oriented Architecture for Middleware Extension	163
<i>Guillaume Koum, Tam Sangbong, Raoul M. Tsamo, Emmanuel Etoundi and Augustin Yekel</i>	
QoS Assignment with GSS for Incoming IP Sessions in UMTS.....	173
<i>Carelia Gaxiola-Pacheco, Ernesto Quiroz-Morones and Oscar-Iván Lepe-Aldama</i>	
A New NBEMV-AODV Energy Aware Routing Protocol in Mobile Ad-Hoc Networks	181
<i>Jin-Man Kim and Jong-Wook Jang</i>	
FPGA Based Efficient Interface Model for Scale-Free Computer Network using I2C Protocol	191
<i>P. Venkateswaran, Arindam Sanyal, Snehasish Das, S. K. Sanyal and R. Nandi</i>	

Educational Software

The Measurement of the Student's Basic Knowledge Obtained by Means of Computer Assessments.....	201
<i>Gennadiy N. Burlak, José Alberto Hernández, Alberto Ochoa and Jaime Muñoz Arteaga</i>	

Control

Towards the Stability Analysis of Principles of Power Conduct	217
<i>Julio Clempner, Jesús Medel and Alin Crăsteanu</i>	

Admissibilization of Continuous Descriptor Systems	229
<i>M. Chaabane, O. Bachelier, R. A. Ramírez-Mendoza and D. Mehdi</i>	

Computer Architecture

Design of RBSD Adder and Multiplier Circuits for High Speed Arithmetic Operations and their Timing Analysis	243
<i>Neelam Sharma, B.S. Rai and Arun Kumar</i>	

Author Index	255
Índice de autores	

Editorial Board of the Volume	257
Comité editorial del volumen	

Additional Reviewers	258
Árbitros adicionales	