

Table of Contents

Índice

Page/Pág.

Knowledge Representation and Reasoning

- Modeling a Decision Making Process in a Risk Scenario:
LOCA in a Nucleoelectric Plant Using Fuzzy Cognitive Maps.....3
*Ana Lilia Lauren-Cruces, Javier Ramírez-Rodríguez,
Martha Mora-Torres and Gilberto Espinosa-Paredes*
- A Versatile Characterization of Causal Relationships15
Jixin Ma, Brian Knight and Miltos Petridis

Evolutionary Algorithms

- Multi-Objective Evolutionary Algorithms with Immunity for SLAM27
Meiyi Li
- An Evolvable Hardware Approach37
T. S. P. C. Duque and A. C. B. Delbem

Machine Learning and Classification

- A tool for Multi-Strategy Learning.....51
Francisco Reinaldo, Marcus Siqueira, Rui Camacho and Luís Paulo Reis
- Determination of the Optimum Error and Reject Validity Regions
as Functions of Threshold in the Case of Three Classes.....61
Jorge Isidro Aranda and Arturo Baltazar
- A Study on Assessment Customer Defaults of Mortgage Loans73
Yanyou Hao, Hongyang Bao, Zhongxian Chi and Bo Wang

Optimization Algorithms

- Two-Stage Ant Colony System for Solving the Traveling Salesman Problem.....85
Amilkar Puris, Rafael Bello, Ann Nowe and Yailen Martínez
- GRASP Approach for the Glass Cutting Problem93
Abhradeep Guha Thakurta, Ashwath Kumar.K and Vijayan Immanuel
- A Combined Model of Planning and Scheduling.....103
*Ma.de Guadalupe García-Hernández, Antonio Garrido,
Gerardo Canedo-Romero, Sergio Ledesma-Orozco
and Donato Hernández-Fusilier*

Computer Vision

A Circle Detection Task for Performance Evaluation of Edge Detection Algorithms	115
<i>Victor Ayala-Ramirez, Gerardo Trejo-Caballero, Raul E. Sanchez-Yanez, Carlos H. Garcia-Capulin and Francisco J. Montecillo-Puente</i>	

Agents

Application of Software Agents Technology to Create Knowledge.....	127
<i>Juan Pablo Soto, Aurora Vizcaino, Javier Portillo and Mario Piattini</i>	
FCPx: A Tool for Evaluating Teams' Performance in RoboCup Rescue Simulation League	137
<i>João Certo, Nuno Cordeiro, Francisco Reinaldo, Luís Paulo Reis and Nuno Lau</i>	

Intelligent Tutoring Systems

Towards an Integral Architecture for Semantic Web, Adaptive and Intelligent WBE Systems.....	151
<i>Alejandro Canales Cruz, Rubén Peredo Valderrama, J. Humberto Sossa Azuela and Agustín Fco. Gutiérrez Tornés</i>	
Putting Artificial Intelligence Techniques into Distance Education.....	163
<i>Pedro Salcedo, María Angélica Pinninghoff and Ricardo Contreras</i>	

Dynamic Systems

Lessons Learned in Modeling Dynamic Systems using Genetic Programming	177
<i>Juan J. Flores and Mario Graff</i>	

Author Index	187
<i>Índice de autores</i>	

Editorial Board of the Volume	189
<i>Comité editorial del volumen</i>	

Additional Reviewers	190
<i>Árbitros adicionales</i>	