

Computer Science	211
FENG LI AND QIU JIA-JU	
Application of Rough Fuzzy-neural Network in Short-term Load Forecasting	213
MEHMET KAYA AND REDA ALHAJJ	
Mining Optimized Fuzzy Association Rules Using Multi-Objective Genetic Algorithm	219
SAVVAS J. NIKOLAIDIS	
A Typical Case Based Reasoning Retrieval Analogy	225
IOAN ALFRED LEȚIA AND ADRIAN GROZA	
Using Agent Similarities in Business Rules for the Supply Chain	232
CALIN CENAT	
Bayesian Trading Agent	237
RAUL C. MUREȘAN AND IOSIF IGNAT	
The "Neocortex" Neural Simulator. A Modern Design	243
IOAN ALFRED LEȚIA, ȘTEFAN MATHE AND RADU SLĂVESCU	
Agent-Based Web Search Using Evolutionary Strategies	249
GHEORGHE SEBESTYEN, KÁLMÁN PUSZTAI AND ZOLTAN PUKLUS	
Genetic Algorithm for Real-Time Scheduling in Distributed Control Systems	256
ANTAL BEJCZY	
Intelligent Robotic Aids Help Mars Exploration	260
TAKASHI KUBOTA, KEISUKE WATANABE, SHINGO SHIMODA AND ICHIRO NAKATANI	
Deep Drilling Robot for Subsurface Exploration	271
ANDRÁS RÓVID, ANNAMÁRIA R. VÁRKONYI-KÓCZY AND MARIA DA GRAÇA RUANO	
Automatic 3D Modeling Based on Soft Computing Techniques	277
SERGIU NEDEVSCHI AND ȘTEFAN MATHE	
FPGA-Based Edge Detection with Subpixel Accuracy	283
IVANA BUDINSKÁ AND BALTAZÁR FRANKOVIĆ	
Argumentation Based Negotiation in Multi-agents Application	289
IVANA BUDINSKÁ AND T.- TUNG DANG	
Ontology Utilization in MARABU – a Support System for Modeling, Simulation and Control Design	295
ENEIA TODORAN, NIKOLAOS PAPASPYROU AND KÁLMÁN PUSZTAI	
Denotational Prototype Semantics for a Simple CSP-like Language	301
MIHAI DINȘOREANU AND IOSIF IGNAT	
An Architectural Framework for Distributed Monitoring Systems	308
ADRIAN SERGIU DĂRĂBANT, ALINA CÂMPAN AND OCTAVIAN CRET	
Hierarchical Clustering in Object Oriented Data Models with Complex Class Relationships	313
MARKO ROSIĆ, VLADO GLAVINIĆ AND BRANKO ŽITKO	
Intelligent Authoring Shell Based on Web Services	319
ZOLTAN BARUCH AND CRISTINA SAVIN	
Reconfigurable Content-Addressable Memory	325
ANDRINA GRANIĆ AND VLADO GLAVINIĆ	
A Key Role of Evaluation in Human-centered Design Process: Methodologies for Authoring Shell's Usability Evaluation	330
SLAVOMIR STANKOV, VLADO GLAVINIĆ AND ANI GRUBIŠIĆ	
What is Our Effect Size: Evaluating the Educational Influence of a Web-Based Intelligent	336