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| Nota di contenuto | Collective Intelligence in Web Systems – Web Systems Analysis -- Neuro-Fuzzy Models in Global HTTP Request Distribution -- Real Anomaly Detection in Telecommunication Multidimensional Data Using Data Mining Techniques -- Time Series Forecasting of Web Performance Data Monitored by MWING Multiagent Distributed System -- Comparison and Analysis of the Eye Pointing Methods and |

Applications -- Abstraction Relations between Internal and Behavioural Agent Models for Collective Decision Making -- Quick Response System Using Collaborative Filtering on Fashion E-Business -- Intelligent Computing for Data Security -- An Ownership Verification Scheme by Using Image Pinned Field and Genetic Algorithm -- Multiple-Image Multiplexing Encryption Based on Modified Gerchberg-Saxton Algorithm and Phase Modulation in Fractional Fourier Transform Domain -- Optical Image Encryption Based on Joint Fresnel Transform Correlator -- Communication and Trust in the Bounded Confidence Model -- Detection of Image Region-Duplication with Rotation and Scaling Tolerance -- Smart Clustering Techniques -- An Extensible Particles Swarm Optimization for Energy-Effective Cluster Management of Underwater Sensor Networks -- The 3D Display and Analysis of the Pattern of Photolithography -- Geometrically Invariant Image Watermarking Using Scale-Invariant Feature Transform and K-Means Clustering -- DenVOICE: A New Density-Partitioning Clustering Technique Based on Congregation of Dense Voronoi Cells for Non-spherical Patterns -- Semantic Search Results Clustering -- Trend Detection on Thin-Film Solar Cell Technology Using Cluster Analysis and Modified Data Crystallization -- Quality of Semantic Compression in Classification -- Web Service -- Realizes Three-Tier Structure Mail System Based on the Web -- Secure Collaborative CloudDesign for Global USN Services -- Mining on Terms Extraction from Web News -- Inter-cloud Data Integration System Considering Privacy and Cost -- A Semantic Web Approach to Heterogeneous Metadata Integration -- Quantitative Management of Technology (I) -- Fuzzy Multi-objective Programming Application for Time-Cost Trade-off of CPM in Project Management -- A Study on Two-Stage Budget Planning by Fuzzy Quantifying Analysis -- Hybrid Support Vector Regression and GA/TS for Radio-Wave Path-Loss Prediction -- Inventory Model with Fractional Brownian Motion Demand -- Note on Inventory Model with a Stochastic Demand -- A GA-Based Support Vector Machine Diagnosis Model for Business Crisis -- Agent System -- A Book-Agent System for Library Marketing -- Adaptive Modelling of Social Decision Making by Agents Integrating Simulated Behaviour and Perception Chains -- Modeling Agent-Based Collaborative Process -- A Three-Dimensional Abstraction Framework to Compare Multi-Agent System Models -- Improving Performance of Protein Structure Similarity Searching by Distributing Computations in Hierarchical Multi-Agent System -- Modeling Super Mirroring Functionality in Action Execution, Imagination, Mirroring, and Imitation -- CCI-Based Optimization Models -- Cellular GEP-Induced Classifiers -- Cluster Integration for the Cluster-Based Instance Selection -- Comparative Study of the Differential Evolution and Approximation Algorithms for Computing Optimal Mixed Strategies in Zero-Sum Games -- Ant Colony Decision Trees – A New Method for Constructing Decision Trees Based on Ant Colony Optimization -- A Cross-Entropy Based Population Learning Algorithm for Multi-mode Resource-Constrained Project Scheduling Problem with Minimum and Maximum Time Lags -- Evaluation of Agents Performance within the A-Team SolvingRCPSP/Max Problem -- Synchronous vs. Asynchronous Cooperative Approach to Solving the Vehicle Routing Problem -- Quantitative Management of Technology (II) -- Development of an Engineering Knowledge Extraction Framework -- Exploring EFL Taiwanese University Students' Perceptions of a Collaborative CALL Environment -- Performance Evaluation of Telecommunication Industry between China and Taiwan -- Discuss and Analyze by AHP Techniques the KSF of Managing the NMMBA under the BOT Model -- A DEA Application Model of Production Process for the

Chip Resistor Industry -- Enhancing Repair Service Quality of Mobile Phones by the TRIZ Method -- Fuzzy Logic and Its Applications -- Adaptive Learning Approach of Fuzzy Logic Controller with Evolution for Pursuit–Evasion Games -- Comparison of Multispectral Image Processing Techniques to Brain MR Image Classification between Fuzzy C-Mean Method and Geodesic Active Contours of Caselles Level Set Method -- Modeling PVT Properties of Crude Oil Systems Using Type-2 Fuzzy Logic Systems -- An Extensional Signed Fuzzy Measure of Signed Rho-Fuzzy Measure -- Adaptive Fuzzy Neural Network Control for Automatic Landing System.

Sommario/riassunto

This volume composes the proceedings of the Second International Conference on Computational Collective Intelligence—Technologies and Applications (ICCCI 2010), which was hosted by National Kaohsiung University of Applied Sciences and Wroclaw University of Technology, and was held in Kaohsiung City on November 10-12, 2010. ICCCI 2010 was technically co-sponsored by Shenzhen Graduate School of Harbin Institute of Technology, the Tainan Chapter of the IEEE Signal Processing Society, the Taiwan Association for Web Intelligence Consortium and the Taiwanese Association for Consumer Electronics. It aimed to bring together researchers, engineers and po- cymakers to discuss the related techniques, to exchange research ideas, and to make friends. ICCCI 2010 focused on the following themes: • Agent Theory and Application • Cognitive Modeling of Agent Systems • Computational Collective Intelligence • Computer Vision • Computational Intelligence • Hybrid Systems • Intelligent Image Processing • Information Hiding • Machine Learning • Social Networks • Web Intelligence and Interaction.