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                      the SOA System -- An Information Theoretic Web Site Navigability

Classification -- MACRO-SYS: An Interactive Macroeconomics Simulator for Advanced Learning -- Managing Web Services in SOKU Systems -- Autonomous Systems -- A Computational Analysis of Cognitive Effort -- An Algorithm for Computing Optimal Coalition Structures in Non-linear Logistics Domains -- Collaborative Systems -- Moral Hazard Resolved by Common-Knowledge in S5n Logic -- An Algorithmic Approach to Social Knowledge Processing and Reasoning Based on Graph Representation – A Case Study -- A Real Time Player Tracking System for Broadcast Tennis Video -- Twittering for Earth: A Study on the Impact of Microblogging Activism on Earth Hour 2009 in Australia -- Student Courses Recommendation Using Ant Colony Optimization -- Web Ontology Building System for Novice Users: A Step-by-Step Approach -- Automatic Lexical Annotation Applied to the SCARLET Ontology Matcher -- State of the Art of Semantic Business Process Management: An Investigation on Approaches for Business-to-Business Integration -- Tools and Applications -- Evolving Concurrent Petri Net Models of Epistasis -- Partial Orderings for Ranking Help Functions -- Robust Prediction with ANNBFIS System -- An Unsupervised Learning and Statistical Approach for Vietnamese Word Recognition and Segmentation -- Named Entity Recognition for Vietnamese -- Task Allocation in Mesh Connected Processors with Local Search Meta-heuristic Algorithms -- Computer System for Making Efficiency Analysis of Meta-heuristic Algorithms to Solving Nesting Problem -- Towards Collaborative Library Marketing System for Improving Patron Satisfaction -- Multiple Model Approach to Machine Learning -- DAG Scheduling on Heterogeneous Distributed Systems Using Learning Automata -- Visualization of the Similar Protein Structures Using SOM Neural Network and Graph Spectra -- Real Time Traffic Sign Detection Using Color and Shape-Based Features -- Standard Additive Fuzzy System for Stock Price Forecasting -- Complex Neuro-Fuzzy Self-learning Approach to Function Approximation -- On the Effectiveness of Gene Selection for Microarray Classification Methods -- A Multiple Combining Method for Optimizing Dissimilarity-Based Classification -- A Comparative Study on the Performance of Several Ensemble Methods with Low Subsampling Ratio -- Analysis of Bagging Ensembles of Fuzzy Models for Premises Valuation -- Comparison of Bagging, Boosting and Stacking Ensembles Applied to Real Estate Appraisal -- A Three-Scan Algorithm to Mine High On-Shelf Utility Itemsets -- Incremental Prediction for Sequential Data -- Predictive Maintenance with Multi-target Classification Models -- Modeling and Optimization Techniques in Information Systems, Database Systems and Industrial Systems -- Multiresolution Models and Algorithms of Movement Planning and Their Application for Multiresolution Battlefield Simulation -- An Algorithm for Generating Efficient Outcome Points for Convex Multiobjective Programming Problem -- Resources Utilization in Distributed Environment for Complex Services -- DCA for Minimizing the Cost and Tardiness of Preventive Maintenance Tasks under Real-Time Allocation Constraint -- Cooperative Agents Based-Decentralized and Scalable Complex Task Allocation Approach Pro Massive Multi-Agents System -- Mining Informative Rule Set for Prediction over a Sliding Window -- Using Text Classification Method in Relevance Feedback -- Fast and Near Optimal Parity Assignment in Palette Images with Enhanced CPT Scheme -- Solving QoS Routing Problems by DCA -- Perceptual Watermarking Using a Multi-scale JNC Model.

Sommario/riassunto

The 2010 Asian Conference on Intelligent Information and Database Systems (ACIIDS) was the second event of the series of international scientific conferences for research and applications in the field of intelligent information and database systems. The aim of ACIIDS 2010

was to provide an international forum for scientific research in the technologies and applications of intelligent information, database systems and their applications. ACIIDS 2010 was co-organized by Hue University (Vietnam) and Wroclaw University of Technology (Poland) and took place in Hue city (Vietnam) during March 24–26, 2010. We received almost 330 papers from 35 countries. Each paper was peer reviewed by at least two members of the International Program Committee and International Reviewer Board. Only 96 best papers were selected for oral presentation and publi- tion in the two volumes of the ACIIDS 2010 proceedings. The papers included in the proceedings cover the following topics: artificial social systems, case studies and reports on deployments, collaborative learning, collaborative systems and applications, data warehousing and data mining, database management technologies, database models and query languages, database security and integrity,- business, e-commerce, e-finance, e-learning systems, information modeling and - quirements engineering, information retrieval systems, intelligent agents and mul- agent systems, intelligent information systems, intelligent internet systems, intelligent optimization techniques, object-relational DBMS, ontologies and information sharing, semi-structured and XML database systems, unified modeling language and unified processes, Web services and Semantic Web, computer networks and communication systems.