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Collana	Lecture Notes in Artificial Intelligence ; ; 7802
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Soggetti	Artificial intelligence Information storage and retrieval Data mining Application software Database management Artificial Intelligence Information Storage and Retrieval Data Mining and Knowledge Discovery Information Systems Applications (incl. Internet) Database Management
Lingua di pubblicazione	Inglese
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Nota di contenuto	Intelligent Moving Objects Detection via Adaptive Frame Differencing Method.- Global Artificial Bee Colony Algorithm for Boolean Function Classification.- Fuzzy Decision Making Based on Hesitant Fuzzy Linguistic Term Sets.- Time-Varying Mutation in Particle Swarm Optimization.- Extending and Formalizing Bayesian Networks by Strong Relevant Logic -- Mining Multidimensional Frequent Patterns from Relational Database.- A Hybrid Cloud for Effective Retrieval from Public Cloud Services.- A New Method for Generating the Chinese News Summary Based on Fuzzy Reasoning and Domain Ontology.- Hybrid PSO and GA for Neural Network Evolutionary in Monthly Rainfall Forecasting.- Forecasting the TAEX Based on Fuzzy Time Series, PSO

Techniques and Support Vector Machines.- On the Design of Neighboring Fuzzy Median Filter for Removal of Impulse Noises.- An Elastic Net Clustering Algorithm for Non-linearly Separable Data.

- Anticipatory Emergency Elevator Evacuation Systems.- A Stock Selective System by Using Hybrid Models of Classification.- An Efficient Method for Discovering Motifs in Large Time Series.- CFTL – Flash Translation Layer for Column Oriented Databases.- Parallelizing the Improved Algorithm for Frequent Patterns Mining Problem.
- Dimensionality Reduction in Data Summarization Approach to Learning Relational Data.- Generating Relevant and Diverse Query Suggestions Using Sparse Manifold Ranking with Sink Regions.
- Measuring Data Completeness for Microbial Genomics Database.
- Road Traffic Prediction Using Context-Aware Random Forest Based on Volatility Nature of Traffic Flows.- Scoring-Thresholding Pattern Based Text Classifier.- Reference Architectures to Measure Data Completeness across Integrated Databases.- Vietnamese Author Name Disambiguation for Integrating Publications from Heterogeneous Sources.- Retrieval with Semantic Sieve.- GAB-EPA: A GA Based Ensemble Pruning Approach to Tackle Multiclass Imbalanced Problems.
- Performance of Different Techniques Applied in Genetic Algorithm towards Benchmark Functions.- A Runge-Kutta Method with Lower Function Evaluations for Solving Hybrid Fuzzy Differential Equations.- A Hybrid PSO-FSVM Model and Its Application to Imbalanced Classification of Mammograms.- QTCP: An Approach for Exploring Inter and Intra Protocols Fairness.- Analyzing Hemagglutinin Genes of Human H5N1 Virus by Linear Neighborhood Embedding.- The VHO Project: A Semantic Solution for Vietnamese History Search System.
- Spam E-Mail Classification Based on the IFWB Algorithm.- Meta Search Models for Online Forum Thread Retrieval: Research in Progress.
- Ensemble of Diversely Trained Support Vector Machines for Protein Fold Recognition.- Protein Fold Recognition Using Segmentation-Based Feature Extraction Model.- Realtime Pointing Gesture Recognition and Applications in Multi-user Interaction.- Multi-domain Public Key Infrastructure for Information Security with Use of a Multi-Agent System.- Using Bees Hill Flux Balance Analysis (BHFBA) for in silico Microbial Strain Optimization.- Multiple Gene Sets for Cancer Classification Using Gene Range election Based on Random Forest.
- Ubiquitous Positioning: Integrated GPS/Wireless LAN Positioning for Wheelchair Navigation System.- Correctness of Solving Query-Answering Problems Using Satisfiability Solvers.- Identifying Minimal Genomes and Essential Genes in Metabolic Model Using Flux Balance Analysis.- A New Data Hiding Scheme for Small Blocks of Twelve Pixels on Binary Images by Module Approach.- Runtime Verification of Multi-agent Systems Interaction Quality.- Bounds on Lengths of Real Valued Vectors Similar with Regard to the Tanimoto Similarity.- A Quadratic Algorithm for Testing of Z-Codes.- Designing an Intelligent Problems Solving System Based on Knowledge about Sample Problems.- Semantic Representation and Search Techniques for Document Retrieval Systems.
- Opposition Differential Evolution Based Method for Text Summarization.- An Introduction to Ontology Based Structured Knowledge Base System: Knowledge Acquisition Module.- Comparison of Gene Co-expression Networks and Bayesian Networks. Global Artificial Bee Colony Algorithm for Boolean Function Classification.
- Fuzzy Decision Making Based on Hesitant Fuzzy Linguistic Term Sets.
- Time-Varying Mutation in Particle Swarm Optimization.- Extending and Formalizing Bayesian Networks by Strong Relevant Logic -- Mining Multidimensional Frequent Patterns from Relational Database.- A Hybrid Cloud for Effective Retrieval from Public Cloud Services.- A New

Method for Generating the Chinese News Summary Based on Fuzzy Reasoning and Domain Ontology.- Hybrid PSO and GA for Neural Network Evolutionary in Monthly Rainfall Forecasting.- Forecasting the TAIEX Based on Fuzzy Time Series, PSO Techniques and Support Vector Machines.- On the Design of Neighboring Fuzzy Median Filter for Removal of Impulse Noises.- An Elastic Net Clustering Algorithm for Non-linearly Separable Data.- Anticipatory Emergency Elevator Evacuation Systems.- A Stock Selective System by Using Hybrid Models of Classification.- An Efficient Method for Discovering Motifs in Large Time Series.- CFTL – Flash Translation Layer for Column Oriented Databases.- Parallelizing the Improved Algorithm for Frequent Patterns Mining Problem.- Dimensionality Reduction in Data Summarization Approach to Learning Relational Data.- Generating Relevant and Diverse Query Suggestions Using Sparse Manifold Ranking with Sink Regions.- Measuring Data Completeness for Microbial Genomics Database.- Road Traffic Prediction Using Context-Aware Random Forest Based on Volatility Nature of Traffic Flows.- Scoring-Thresholding Pattern Based Text Classifier.- Reference Architectures to Measure Data Completeness across Integrated Databases.- Vietnamese Author Name Disambiguation for Integrating Publications from Heterogeneous Sources.- Retrieval with Semantic Sieve.- GAB-EPA: A GA Based Ensemble Pruning Approach to Tackle Multiclass Imbalanced Problems.- Performance of Different Techniques Applied in Genetic Algorithm towards Benchmark Functions.- A Runge-Kutta Method with Lower Function Evaluations for Solving Hybrid Fuzzy Differential Equations.- A Hybrid PSO-FSVM Model and Its Application to Imbalanced Classification of Mammograms.- QTCP: An Approach for Exploring Inter and Intra Protocols Fairness.- Analyzing Hemagglutinin Genes of Human H5N1 Virus by Linear Neighborhood Embedding.- The VHO Project: A Semantic Solution for Vietnamese History Search System.- Spam E-Mail Classification Based on the IFWB Algorithm. - Meta Search Models for Online Forum Thread Retrieval: Research in Progress.- Ensemble of Diversely Trained Support Vector Machines for Protein Fold Recognition.- Protein Fold Recognition Using Segmentation-Based Feature Extraction Model.- Realtime Pointing Gesture Recognition and Applications in Multi-user Interaction.- Multi-domain Public Key Infrastructure for Information Security with Use of a Multi-Agent System.- Using Bees Hill Flux Balance Analysis (BHFBA) for in silico Microbial Strain Optimization.- Multiple Gene Sets for Cancer Classification Using Gene Range election Based on Random Forest. - Ubiquitous Positioning: Integrated GPS/Wireless LAN Positioning for Wheelchair Navigation System.- Correctness of Solving Query-Answering Problems Using Satisfiability Solvers.- Identifying Minimal Genomes and Essential Genes in Metabolic Model Using Flux Balance Analysis.- A New Data Hiding Scheme for Small Blocks of Twelve Pixels on Binary Images by Module Approach.- Runtime Verification of Multi-agent Systems Interaction Quality.- Bounds on Lengths of Real Valued Vectors Similar with Regard to the Tanimoto Similarity.- A Quadratic Algorithm for Testing of Z-Codes.- Designing an Intelligent Problems Solving System Based on Knowledge about Sample Problems.- Semantic Representation and Search Techniques for Document Retrieval Systems. - Opposition Differential Evolution Based Method for Text Summarization.- An Introduction to Ontology Based Structured Knowledge Base System: Knowledge Acquisition Module.- Comparison of Gene Co-expression Networks and Bayesian Networks.

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## Sommario/riassunto

The two-volume set LNAI 7802 and LNAI 7803 constitutes the refereed proceedings of the 5th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2013, held in Kuala Lumpur, Malaysia in

March 2013. The 108 revised papers presented were carefully reviewed and selected from numerous submissions. The papers included are grouped into topical sections on: innovations in intelligent computation and applications; intelligent database systems; intelligent information systems; tools and applications; intelligent recommender systems; multiple modal approach to machine learning; engineering knowledge and semantic systems; computational biology and bioinformatics; computational intelligence; modeling and optimization techniques in information systems, database systems and industrial systems; intelligent supply chains; applied data mining for semantic Web; semantic Web and ontology; integration of information systems; and conceptual modeling in advanced database systems.

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