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Collana	Lecture Notes in Artificial Intelligence ; ; 9011
Disciplina	005.74
Soggetti	Artificial intelligence Information storage and retrieval Data mining Application software Database management Algorithms Artificial Intelligence Information Storage and Retrieval Data Mining and Knowledge Discovery Information Systems Applications (incl. Internet) Database Management Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Semantic Web, Social Networks and Recommendation Systems -- Interactive Refinement of Linked Data: Toward a Crowdsourcing Approach -- Synthetic Evidential Study as Augmented Collective Thought Process -- Preliminary Report -- Exploiting Ontological Reasoning in Argumentation Based Multi-agent Collaborative Classification -- Architecture of Desktop Presentation Tool for E-Learning Support and Problem of Visual Data Transfer Over Computer Network -- The Comparison of Creating Homogenous and Heterogeneous Collaborative Learning Groups in Intelligent Tutoring

Systems -- Analyzing Music Metadata on Artist Influence -- How to Measure the Information Diffusion Process in Large Social Networks? -- A Method for Improving the Quality of Collective Knowledge -- Text Processing and Information Retrieval -- A Machine Translation System for Translating from the Polish Natural Language into the Sign Language -- Graph-Based Semi-supervised Learning for Cross-Lingual Sentiment Classification -- An Adaptation Method for Hierarchical User Profile in Personalized Document Retrieval Systems -- Distributed Web Service Retrieval Method -- Discovering Co-Author Relationship in Bibliographic Data Using Similarity Measures and Random Walk Model -- Intelligent Database Systems -- On Transformation of Query Scheduling Strategies in Distributed and Heterogeneous Database Systems -- An Approach of Transforming Ontologies into Relational Databases -- On Query Containment Problem for Conjunctive Queries Under Bag-Set Semantics -- A Belief-Based Bitemporal Database Model -- Architecture Dedicated to Data Integration -- Intelligent Information Systems -- Global Logistics Tracking and Tracing in Fleet Management -- Human Activity Recognition Prediction for Crowd Disaster Mitigation -- Frequencies Assignment in Cellular Networks: Maximum Stable Approach -- Monitoring Lane Formation of Pedestrians: Emergence and Entropy -- Comparison of Algorithms for Multi-agent Pathfinding in Crowded Environment -- A Sensor-Based Light Signal Controller -- Experimental Investigation of Impact of Migration Topologies on Performance of Cooperative Approach to the Vehicle Routing Problem -- Decision Support and Control Systems -- Modelling a Robotic Cell and Analysis Its Throughput by Petri Nets -- Algorithm to Plan Athlete's Prolonged Training Based on Model of Physiological Response -- On a Simple Game Theoretical Equivalence of Voting Majority Games with Vetoes of First and Second Degrees -- Positivity and Stability of Time-Varying Discrete-Time Linear Systems -- Controllability of Discrete-Time Linear Switched Systems with Constrains on Switching Signal -- Trajectory Controllability of Semilinear Systems with Delay -- Machine Learning and Data Mining -- A New Pairing Support Vector Regression -- Diversification and Entropy Improvement on the DPSO Algorithm for DTSP -- Application of Integrated Neural Network and Nature-Inspired Approach to Demand Prediction -- Detecting Entanglement in Quantum Systems with Artificial Neural Network -- Discovering Erasable Closed Patterns -- RBM-SMOTE: Restricted Boltzmann Machines for Synthetic Minority Oversampling Technique -- Interval Type-2 Fuzzy C-Means Clustering with Spatial Information for Land-Cover Classification -- Mining ICDDR,B Hospital Surveillance Data Using Locally Linear Embedding Based SMOTE Algorithm and Multilayer Perceptron -- Potentials of Hyper Populated Ant Colonies -- The Selected Metaheuristics Efficacy Assessment for a Given Class of Problems -- Adaptive Complex Event Processing Based on Collaborative Rule Mining Engine -- Adaptive Neuro Fuzzy Inference System for Diagnosing Dengue Hemorrhagic Fever -- Multiple Model Approach to Machine Learning (MMAML 2015) -- Adaptive Ant Colony Decision Forest in Automatic Categorization of Emails -- Application of Parallel Distributed Implementation to Multiobjective Fuzzy Genetics-Based Machine Learning -- A Method for Merging Similar Zones to Improve Intelligent Models for Real Estate Appraisal -- Pruning Ensembles of One-Class Classifiers with X-means Clustering -- Static Classifier Selection with Interval Weights of Base Classifiers -- Pruning Ensembles with Cost Constraints -- Kernel-based Regularized Learning for Time-Invariant Detection of Paddy Growth Stages from MODIS Data -- Data Classification with Ensembles of One-Class Support Vector Machines and Sparse Nonnegative Matrix Factorization -- Truck Loading

Schedule Optimization Using Genetic Algorithm for Yard Management -- Innovations in Intelligent Systems and Applications A New Fuzzy Interpolative Reasoning Method Based on the Ratio of Fuzziness of Rough-Fuzzy Sets -- The Cooperation Mechanism of Multi-agent systems with Respect to Big Data from Customer Relationship Management Aspect -- An Intelligence Maximum Power Point Tracking Controller for Human Power System -- Rainfall Estimation in Weather Radar Using Support Vector Machine -- Explicitly Epistemic Contraction by Predicate Abstraction in Automated Theorem Finding: A Case Study in NBG Set Theory -- Mining Sequential Patterns with Pattern Constraint -- An Intelligent Saliva Recognition System for Women's Ovulation Detection -- A Hybrid Predicting Stock Return Model Based on Logistic Stepwise Regression and CART Algorithm -- A Bidirectional Transformation Supporting Tool for Formalization with Logical Formulas. Interactive Refinement of Linked Data: Toward a Crowdsourcing Approach -- Synthetic Evidential Study as Augmented Collective Thought Process -- Preliminary Report -- Exploiting Ontological Reasoning in Argumentation Based Multi-agent Collaborative Classification -- Architecture of Desktop Presentation Tool for E-Learning Support and Problem of Visual Data Transfer Over Computer Network -- The Comparison of Creating Homogenous and Heterogeneous Collaborative Learning Groups in Intelligent Tutoring Systems -- Analyzing Music Metadata on Artist Influence -- How to Measure the Information Diffusion Process in Large Social Networks? -- A Method for Improving the Quality of Collective Knowledge -- Text Processing and Information Retrieval -- A Machine Translation System for Translating from the Polish Natural Language into the Sign Language -- Graph-Based Semi-supervised Learning for Cross-Lingual Sentiment Classification -- An Adaptation Method for Hierarchical User Profile in Personalized Document Retrieval Systems -- Distributed Web Service Retrieval Method -- Discovering Co-Author Relationship in Bibliographic Data Using Similarity Measures and Random Walk Model -- Intelligent Database Systems -- On Transformation of Query Scheduling Strategies in Distributed and Heterogeneous Database Systems -- An Approach of Transforming Ontologies into Relational Databases -- On Query Containment Problem for Conjunctive Queries Under Bag-Set Semantics -- A Belief-Based Bitemporal Database Model -- Architecture Dedicated to Data Integration -- Intelligent Information Systems -- Global Logistics Tracking and Tracing in Fleet Management -- Human Activity Recognition Prediction for Crowd Disaster Mitigation -- Frequencies Assignment in Cellular Networks: Maximum Stable Approach -- Monitoring Lane Formation of Pedestrians: Emergence and Entropy -- Comparison of Algorithms for Multi-agent Pathfinding in Crowded Environment -- A Sensor-Based Light Signal Controller -- Experimental Investigation of Impact of Migration Topologies on Performance of Cooperative Approach to the Vehicle Routing Problem -- Decision Support and Control Systems -- Modelling a Robotic Cell and Analysis Its Throughput by Petri Nets -- Algorithm to Plan Athlete's Prolonged Training Based on Model of Physiological Response -- On a Simple Game Theoretical Equivalence of Voting Majority Games with Vetoes of First and Second Degrees -- Positivity and Stability of Time-Varying Discrete-Time Linear Systems -- Controllability of Discrete-Time Linear Switched Systems with Constrains on Switching Signal -- Trajectory Controllability of Semilinear Systems with Delay -- Machine Learning and Data Mining -- A New Pairing Support Vector Regression -- Diversification and Entropy Improvement on the DPSO Algorithm for DTSP -- Application of Integrated Neural Network and Nature-Inspired Approach to Demand Prediction -- Detecting Entanglement in Quantum

Systems with Artificial Neural Network -- Discovering Erasable Closed Patterns -- RBM-SMOTE: Restricted Boltzmann Machines for Synthetic Minority Oversampling Technique -- Interval Type-2 Fuzzy C-Means Clustering with Spatial Information for Land-Cover Classification -- Mining ICDDR,B Hospital Surveillance Data Using Locally Linear Embedding Based SMOTE Algorithm and Multilayer Perceptron -- Potentials of Hyper Populated Ant Colonies -- The Selected Metaheuristics Efficacy Assessment for a Given Class of Problems -- Adaptive Complex Event Processing Based on Collaborative Rule Mining Engine -- Adaptive Neuro Fuzzy Inference System for Diagnosing Dengue Hemorrhagic Fever -- Multiple Model Approach to Machine Learning (MMAML 2015) -- Adaptive Ant Colony Decision Forest in Automatic Categorization of Emails -- Application of Parallel Distributed Implementation to Multiobjective Fuzzy Genetics-Based Machine Learning -- A Method for Merging Similar Zones to Improve Intelligent Models for Real Estate Appraisal -- Pruning Ensembles of One-Class Classifiers with X-means Clustering -- Static Classifier Selection with Interval Weights of Base Classifiers -- Pruning Ensembles with Cost Constraints -- Kernel-based Regularized Learning for Time-Invariant Detection of Paddy Growth Stages from MODIS Data -- Data Classification with Ensembles of One-Class Support Vector Machines and Sparse Nonnegative Matrix Factorization -- Truck Loading Schedule Optimization Using Genetic Algorithm for Yard Management -- Innovations in Intelligent Systems and Applications A New Fuzzy Interpolative Reasoning Method Based on the Ratio of Fuzziness of Rough-Fuzzy Sets -- Th.

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#### Sommario/riassunto

The two-volume proceedings of the ACIIDS 2015 conference, LNAI 9011 + 9012, constitutes the refereed proceedings of the 7th Asian Conference on Intelligent Information and Database Systems, held in Bali, Indonesia, in March 2015. The total of 117 full papers accepted for publication in these proceedings was carefully reviewed and selected from 332 submissions. They are organized in the following topical sections: semantic web, social networks and recommendation systems; text processing and information retrieval; intelligent database systems; intelligent information systems; decision support and control systems; machine learning and data mining; multiple model approach to machine learning; innovations in intelligent systems and applications; bio-inspired optimization techniques and their applications; machine learning in biometrics and bioinformatics with applications; advanced data mining techniques and applications; collective intelligent systems for e-market trading, technology opportunity discovery and collaborative learning; intelligent information systems in security and defense; analysis of image, video and motion data in life sciences; augmented reality and 3D media; cloud based solutions; internet of things, big data and cloud computing; and artificial intelligent techniques and their application in engineering and operational research.

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