

1. Record Nr.	UNINA9910484470303321
Titolo	Artificial Intelligence and Soft Computing : 13th International Conference, ICAISC 2014, Zakopane, Poland, June 1-5, 2014, Proceedings, Part II // edited by Leszek Rutkowski, Marcin Korytkowski, Rafa Scherer, Ryszard Tadeusiewicz, Lotfi A. Zadeh, Jacek M. Zurada
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-07176-9
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XXVIII, 822 p. 297 illus.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 8468
Disciplina	006.3
Soggetti	Artificial intelligence Application software Computer science Database management Information storage and retrieval systems Image processing—Digital techniques Computer vision Artificial Intelligence Computer and Information Systems Applications Theory of Computation Database Management Information Storage and Retrieval Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Visual Dictionary Pruning Using Mutual Information and Information Gain -- Mining Telecommunication Networks to Enhance Customer Lifetime Predictions -- A Note on Machine Learning Approach to Analyze the Results of Pairwise Comparison Based Parametric Evaluation of Research Units -- Bagging of Instance Selection Algorithms -- Essential Attributes Generation for Some Data Mining

Tasks -- Visualizing Random Forest with Self Organising Map -- B-Spline Smoothing of Feature Vectors in Nonnegative Matrix Factorization -- Variants and Performances of Novel Direct Learning Algorithms for L2 Support Vector Machines -- Evolving Parameters for a Noisy Biological System -- The Impact of Alternative Approaches -- Classification of EEG Signals Using Vector Quantization -- Offline Text-Independent Handwriting Identification and Shape Modeling via Probabilistic Nodes Combination -- Computer-Aided System for Automatic Classification of Suspicious Lesions in Breast Ultrasound Images -- The Classifier for Prediction of Perioperative Complications in Cervical Cancer Treatment -- Face Classification Based on Linguistic Description of Facial Features -- Impact of Bayesian Network Model Structure on the Accuracy of Medical Diagnostic Systems -- A New Three-Dimensional Facial Landmark in Recognition -- Computer-Aided Off-Line Diagnosis of Epileptic Seizures -- Active Region Approach for Segmentation of Medical Images -- SCM-driven Tree View for Microarray Data -- New Method for Dynamic Signature Verification Using Hybrid Partitioning -- New Method for Dynamic Signature Verification Based on Global Features -- Investigating the Rate of Failure of Asynchronous Gathering in a Swarm of Fat Robots with Limited Visibility -- Modeling Context-Aware and Agent-Ready Systems for the Outdoor Smart Lighting -- Problem of Agents Cooperation in Heterogeneous Graph-Based Knowledge Environment -- Managing Machine's Motivations -- Globalised Dual Heuristic Dynamic Programming in Tracking Control of the Wheeled Mobile Robot -- Fuzzy Sensor-Based Navigation with Neural Tracking Control of the Wheeled Mobile Robot -- Fuzzy and Neural Rotor Resistance Estimator for Vector Controlled Induction Motor Drives -- ALMM Solver - A Tool for Optimization Problems -- Tournament Searching Method for Optimization of the Forecasting Model Based on the Nadaraya-Watson Estimator -- A New Algorithm for Identification of Significant Operating Points Using Swarm Intelligence -- Artificial Bee Colony Algorithm Used for Reconstructing the Heat Flux Density in the Solidification Process -- Simulations of Credibility Evaluation and Learning in a Web 2.0 Community -- Optimization of Composite Structures Using Bio-inspired Methods -- Applying Metamodels and Sequential Sampling for Constrained Optimization of Process Operations -- A New Measure of Conflict and Hybrid Combination Rules in the Evidence Theory -- On Measuring Association between Groups of Rankings in Recommender Systems -- An Arduino-Simulink-Control System for Modern Hand Protheses -- Solving Timetabling Problems on GPU -- Scheduling Problem with Uncertain Parameters in Just in Time System -- Variable Neighborhood Search for Non-deterministic Problems -- Emergent Phenomena in Constrained 3D Layout Design -- Brainy: A Machine Learning Library -- Optimisation of Character n-gram Profiles Method for Intrinsic Plagiarism Detection -- A Recommender System Based on Customer Reviews Mining -- Complex System Analysis Using Softcomputing -- Can the Generation of Test Cases for Unit Testing be Automated with Rules? -- Implementing a Supply Chain Management Policy System Based on Rough Set Theory -- What Is the Primary Language? -- Signal Randomness Measure for BSS Ensemble Predictors -- An Incremental Map-Matching Algorithm Based on Hidden Markov Model -- Multi-class Classification: A Coding Based Space Partitioning -- From Single Image to List of Objects Based on Edge and Blob Detection -- Robust Face Recognition by Group Sparse Representation That Uses Samples from List of Subjects -- Using Facial Asymmetry Properties and Hidden Markov Models for Biometric Authentication in Security Systems --

Spatial Keypoint Representation for Visual Object Retrieval -- On Orientation Sensitive Defuzzification Functionals -- The Linguistic Modeling of Fuzzy System as Multicriteria Evaluator for the Multicast Routing Algorithms -- Optimizing Inventory of a Firm under Fuzzy Data -- An Approach to Cardinality of First Order Metaset -- Fuzzy System for the Classification of Sounds of Birds Based on the Audio Descriptors -- Generalized Tree-Like Self-Organizing Neural Networks with Dynamically Defined Neighborhood for Cluster Analysis -- Nonnegative Matrix Factorization for Document Clustering: A Survey -- Fuzzy c-Medoid Graph Clustering -- A Spectral Clustering Algorithm Based on Eigenvector Localization -- HiBi – The Algorithm of Biclustering the Discrete Data -- Asymmetric k-means Clustering of the Asymmetric Self-Organizing Map -- DenClust: A Density Based Seed Selection Approach for K-Means -- Exploiting Structural Information of Data in Active Learning -- On Mean Shift Clustering for Directional Data on a Hypersphere.

Sommario/riassunto

The two-volume set LNAI 8467 and LNAI 8468 constitutes the refereed proceedings of the 13th International Conference on Artificial Intelligence and Soft Computing, ICAISC 2014, held in Zakopane, Poland in June 2014. The 139 revised full papers presented in the volumes, were carefully reviewed and selected from 331 submissions. The 69 papers included in the first volume are focused on the following topical sections: Neural Networks and Their Applications, Fuzzy Systems and Their Applications, Evolutionary Algorithms and Their Applications, Classification and Estimation, Computer Vision, Image and Speech Analysis, and Special Session 3: Intelligent Methods in Databases. The 71 papers in the second volume are organized in the following subjects: Data Mining, Bioinformatics, Biometrics and Medical Applications, Agent Systems, Robotics and Control, Artificial Intelligence in Modeling and Simulation, Various Problems of Artificial Intelligence, Special Session 2: Machine Learning for Visual Information Analysis and Security, Special Session 1: Applications and Properties of Fuzzy Reasoning and Calculus, and Clustering.
