

1. Record Nr.	UNINA9910483414103321
Titolo	Advanced Intelligent Computing Theories and Applications : 11th International Conference, ICIC 2015, Fuzhou, China, August 20-23, 2015. Proceedings, Part III // edited by De-Shuang Huang, Kyungsook Han
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-22053-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XXII, 797 p. 235 illus.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 9227
Disciplina	006.3
Soggetti	Artificial intelligence Application software Information storage and retrieval systems Computer vision Data mining Algorithms Artificial Intelligence Computer and Information Systems Applications Information Storage and Retrieval Computer Vision Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Machine Learning Theory and Methods -- A Review of Parameter Learning Methods in Bayesian Network -- The Hard-Cut EM Algorithm for Mixture of Sparse Gaussian Processes -- Maximum Principle in the Unbounded Domain of Heisenberg Type -- An Epidemic Propagation Model with Saturated Infection Rate on a Small World Network -- Granular Twin Support vector Machines based on Mixture Kernel -- Detecting Multiple Influential Observations in High Dimensional Linear Regression -- Drift Operator for States of Matter Search Algorithm -- Classification on Imbalanced Data Sets, Taking Advantage of Errors to Improve Performance -- PSO-Based Method for SVM Classification on

Skewed Data Sets.-Set-Based Many-Objective Optimization Guided by Preferred Regions -- An Improved Incremental Error Minimized Extreme Learning Machine for Regression Problem Based on Particle Swarm Optimization -- A Systematic Comparison and Evaluation of Supervised Machine Learning Classifiers Using Headache Dataset.-A Generative Model with Ensemble Manifold Regularization for Multi-View Clustering -- On Classifying Diabetic Patients with Proliferative Retinopathies via a Radial Basis Probabilistic Neural Network -- Passivity Analysis of BAM NNs with Mixed Time Delays -- Soft Computing -- A Fuzzy Logic Controller for Indirect Matrix Converter under Abnormal Input Voltage Conditions.-On Denjoy-McShane-Stieltjes Integral of Fuzzy-Number-Valued Functions -- A Brief Survey on Fuzzy Cognitive Maps -- Sensor Data Driven Modeling and Control of Personalized Thermal Comfort Using Interval Type-2 Fuzzy Sets -- Knowledge Evaluation with Rough Sets -- On Solving CCR-DEA Problems Involving Type-2 Fuzzy Uncertainty Using Centroid-Based Optimization -- Image Processing and Computer Vision -- Adaptive Quantization of Local Directional Responses for Infrared Face Recognition.-Preliminary Study of Tongue Image Classification Based on Multi-Label Learning.-Online Kernel-Based Multimodal Similarity Learning with Application to Image Retrieval -- Reverse Training for Leaf Image Set Classification -- Visual Saliency Detection Based on Color Contrast and Distribution -- Moving Vehicle Detection Based on Visual Processing Mechanism with Multiple Pathways.-A Computer Vision Method for the Italian Fingerspelling Recognition.-A Spiking Neural Network for Extraction of Multi-Features in Visual Processing Pathways -- Image Set Classification Based on Synthetic Examples and Reverse Training -- Carried Baggage Detection and Classification Using Part-based Model -- Image Splicing Detection Based on Markov Features in QDCT Domain -- Facial Expression Recognition Based on Hybrid Approach -- A Local Feature Descriptor Based on Energy Information for Human Activity Recognition -- A Robust Online Non-Rigid Structure From Motion Algorithm -- A Multi-Feature Fusion Method for Automatic Multi-Label Image Annotation with Weighted Histogram Integral and Closure Regions Counting -- Diffusion-Based Hybrid Level Set Method for Complex Image Segmentation -- Knowledge Discovery and Data Mining -- The Optimization of Resource Allocation Based on Process Mining -- Research on Optimum Weighted Combination GM (1, 1) Model with Different Initial Value -- Spectral Clustering of High-dimensional Data via K-Nearest Neighbor Based Sparse Representation Coefficients -- Friend Recommendation by User Similarity Graph Based on Interest in Social Tagging -- Orchestrating Real-Valued Negative Selection Algorithm with Computational Efficiency for Crude Oil Price -- A New Algorithm of Automatic Grading in Computer Paperless Test System -- MLRF: Multi-Label Classification through Random Forest with Label-Set Partition -- Prediction of Oil and Water Layer by Kernel -- Local Fisher Discriminant Analysis -- Assessment of the Pillar 3 Financial and Risk Information -- Disclosures Usefulness to the Commercial Banks Users -- CKNNI: an Improved KNN-Based Missing Value Handling Technique -- An Item Based Collaborative Filtering System Combined with Genetic Algorithms Using Rating Behavior -- Natural Language Processing and Computational Linguistics -- Short Text Classification Based on Semantics -- Name Disambiguation Using Semi-Supervised Topic Model -- Automatic Evaluation of Machine Translation through the Residual Analysis -- Is the Most Frequent Sense of a Word Better Connected in a Semantic Network? -- Language Processing and Human Cognition -- An Ontology-Based Approach for Measuring Semantic Similarity between Words -- Intelligent Control and Automation --

Knowledge Bases' Control for Intelligent Professional Activity
 Automatization -- Maximum Class-Separability Based Discriminant
 Feature Selection Using GA for Reliable Fault Diagnosis of Induction
 Motors -- Multi-Fault Diagnosis of Roller Bearings Using Support
 Vector Machines with an Improved Decision Strategy -- A Local Neural
 Networks Approximation Control of Uncertain Robot Manipulators --
 Intelligent Communication Networks and Web Applications -- A
 Quantum-Inspired Immune Clonal Algorithm Based Handover Decision
 Mechanism with ABC Supported -- An IEEE 802.21 Based
 Heterogeneous Access Network Selection Mechanism -- A Dijkstra
 Based Multi-layer Satellite Network Routing Mechanism -- The
 Research on Optimizing Deployment Strategy for Aviation SWIM
 Application Servers -- Modeling Fault Tolerated Mobile Agents by
 Colored Petri Nets -- A Self-Adaptive Context-Aware Model for Mobile
 Commerce -- Research and Implementation on Autonomic Integration
 Technology of Smart Devices Based on DPWS -- Experimental
 Verification of the Dependence between the Expected and Observed
 Visit Rate of Web Pages -- Bioinformatics Theory and Methods.-Kernel
 Independent Component Analysis-Based Prediction on the Protein O-
 Glycosylation Sites Using Support Vectors Machine and Ensemble
 Classifiers -- Semantic Role Labeling for Biomedical Corpus Using
 Maximum Entropy Classifier -- Automatic Detection of Yeast and
 Pseudohyphal Form Cells in the Human Pathogen *Candida Glabrata* --
 Semi-Supervised Feature Extraction for RNA-Seq Data Analysis --
 Compound Identification Using Random Projection for Gas
 Chromatography-Mass Spectrometry Data -- A Random Projection
 Ensemble Approach to Drug-Protein Interaction Prediction -- Kernel
 Local Fisher Discriminant Analysis-Based Prediction on Protein O-
 Glycosylation Sites Using SVM Ensembles -- Identification of Colorectal
 Cancer Related Genes -- Based on Subnetwork Extraction Algorithm --
 Detection of Protein-Protein Interactions from Amino Acid Sequences
 Using A Rotation Forest Model with a Novel PR-LPQ Descriptor --
 Healthcare and Medical Methods -- Age-related Alterations in the Sign
 Series Entropy of Short-term Pulse Rate Variability -- An Assessment
 Method of Tongue Image Quality Based on Random Forest in
 Traditional Chinese Medicine.-Detection of Epileptic Seizure in EEG
 Signals with Rule-based Interpretation by Random Forest Approach --
 Sparse-view X-ray Computed Tomography Reconstruction via
 Mumford-Shah Total Variation Regularization -- The Utilisation of
 Dynamic Neural Networks for MedicalData Classifications-Survey with
 Case Study -- Neural Network Classification of Blood Vessels and
 Tubules based on Haralick Features Evaluated in Histological Images of
 Kidney Biopsy -- Dependable Healthcare Service Automation: A Holistic
 Approach -- Information Security -- Improved Concurrent Signature on
 Conic Curve -- Double Compression Detection in MPEG-4 Videos Based
 on Block Artifact Measurement with Variation of Prediction Footprint.

Sommario/riassunto

This book – in conjunction with the double volume LNCS 9225-9556 – constitutes the refereed proceedings of the 11th International Conference on Intelligent Computing, ICIC 2015, held in Fuzhou, China, in August 2015. The 84 papers of this volume were carefully reviewed and selected from 671 submissions. Original contributions related to this theme are especially solicited, including theories, methodologies, and applications in science and technology. This year, the conference concentrated mainly on machine learning theory and methods, soft computing, image processing and computer vision, knowledge discovery and data mining, natural language processing and computational linguistics, intelligent control and automation, intelligent communication networks and web applications, bioinformatics theory

and methods, healthcare and medical methods, and information security.
