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Disciplina	006.312
Soggetti	Artificial intelligence Data mining Information storage and retrieval systems Image processing - Digital techniques Computer vision Computer science Artificial Intelligence Data Mining and Knowledge Discovery Information Storage and Retrieval Computer Imaging, Vision, Pattern Recognition and Graphics Computer Science
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Nota di contenuto	A Feature Selection Method Using Hierarchical Clustering -- Rank Aggregation for Filter Feature Selection in Credit Scoring -- Hybrid Approach for Palmprint Recognition Using Compound Features -- An Empirical Evaluation of SVM on Meta Features for Authorship Attribution of Online Texts -- An Empirical Comparison of Discretization Methods for Neural Classifier -- Using a Normalized Score Multi-Label KNN to Classify Multi-label Herbal Formulae -- Unsupervised Approach to Hindi Music Mood Classification -- Motion Intensity Code for Action Recognition in Video Using PCA and SVM -- Performance Analysis of Tree Based Classification Algorithms for Intrusion Detection System -- Heart Disease Classification Using PCA

and Feed Forward Neural Networks -- Non-disjoint Cluster Analysis with Non-uniform Density -- Segmentation of Crop Nutrient Deficiency Using Intuitionistic Fuzzy C-Means Color Clustering Algorithm -- An Efficient Artificial Bee Colony and Fuzzy C Means Based Co-regulated Biclustering from Gene Expression Data -- Bisecting K-Means Initialization Technique for Protein Sequence Motif Identification -- A Proposed Hybrid Medoid Shift with K-Means (HMSK) Segmentation Algorithm to Detect Tumor and Organs for Effective Radiotherapy -- Face Representation Using Averaged Wavelet, Micro Patterns and Recognition Using RBF Network -- Face Recognition in Very Low Bit Rate SPIHT Compressed Facial Images -- Modified Kittler and Illingworth's Thresholding for MRI Brain Image Segmentation -- Histogram Based Split and Merge Framework for Shot Boundary Detection -- Boundary Detection of Objects in Digital Images Using Bit-Planes and Threshold Modified Canny Method -- Segmentation of Mango Region from Mango Tree Image -- Detection and Removal of Scratches in Images -- An Automatic Method to Locate Tumor from MRI Brain Images Using Wavelet Packet Based Feature Set -- Segmentation of Microcalcifications in Digital Mammogram Images Using Intensity Modified Black Top-Hat Transformation and GaussDistribution -- Intensity, Shape and Size Based Detection of Lung Nodules from CT Images -- Detection of Cardiac Abnormality from Measures Calculated from Segmented Left Ventricle in Ultrasound Videos -- A Comparative Study of Wavelet Coders for Image Compression -- Directional Decomposition for Odia Character Recognition -- Efficient Touching Text Line Segmentation in Tamil Script Using Horizontal Projection -- eCS: Enhanced Character Segmentation – A Structural Approach for Handwritten Kannada Scripts -- Image Restoration by Using Evolutionary Technique to Denoise Gaussian and Impulse Noise -- Digital Watermarking Using Modified Techniques in Spectral Domain of Image -- Materialized View Selection Using Memetic Algorithm -- Forgery Detection in Ballistic Motion Videos Using Motion Estimation and Modelling -- An Extended Region Incrementing Visual Cryptography Scheme Using Unexpanded Meaningful Shares -- Online Signature Verification Based on Recursive Subset Training -- An Authenticated Transitive-Closure Scheme for Secure Group Communication in MANETS -- A Novel Ensemble Learning-Based Approach for Click Fraud Detection in Mobile Advertising -- Neutral Speech to Anger Speech Conversion Using Prosody Modification -- Expressive Speech Synthesis System Using Unit Selection -- Edge Based Graph Neural Network to Recognize Semigraph Representation of English Alphabets -- Neural Rotor Time Constant Estimation for Indirect Vector Controlled Induction Motor Drives -- Knowledge Discovery from Heart Disease Dataset Using Optimized Neural Network -- Causality Inference Techniques for In-Silico Gene Regulatory Network -- Multidimensional Longest Increasing Subsequences and Its Variants -- Discovery Using DNA Operations -- A Peer-to-Peer Dynamic Multi-objective Particle Swarm Optimizer -- Reduce Energy Consumption through Virtual Machine Placement in Cloud Data Centre -- Multi-release Software: An Approach for Assessment of Reliability Metrics from Field Data -- On Emulating Real-World Distributed Intelligence Using Mobile Agent Based Localized Idiotypic Networks -- Dependency-Based Query Scheduling in Distributed Data Warehouse Environment -- A Novel Bat Algorithm Based Re-tuning of PI Controller of Coal Gasifier for Optimum Response -- FI-FCM Algorithm for Business Intelligence -- An Algorithmic Formulation for Extracting Learning Concepts and Their Relatedness in eBook Texts -- Mining for Marks: A Comparison of Classification Algorithms when

Predicting Academic Performance to Identify "Students at Risk" -- Determining Students Expectation in Present Education System Using Fuzzy Analytic Hierarchy Process -- Qualitative Learning Outcome through Computer Assisted Instructions -- Bayesian Classification for Image Retrieval Using Visual Dictionary -- Applying Latent Semantic Analysis to Optimize Second-order -- Co-occurrence Vectors for Semantic Relatedness Measurement -- Fuzzy Approach to Multidimensional Context Aware e-Learning Recommender System -- An Analytical Study on Frequent Itemset Mining Algorithms -- Similarity Aggregation a New Version of Rank Aggregation Applied to Credit Scoring Case -- Learning a Concept Based Ranking Model with User Feedback -- Tuning of Expansion Terms by PRF and WordNet Integrated Approach for AQE -- Concept Based Personalized Search and Collaborative Search Using Modified HITS Algorithm -- Group Recommender System Based on Rank Aggregation -- An Evolutionary Approach -- Concept Similarity Based Academic Tweet Community Detection Using Label Propagation -- Automatic Tagging of Texts with Contextual Factors Using Knowledge -- Concepts -- MetaProPOS++: An Automatic Approach for a Meta Process Patterns' Ontology Population -- Discovery of Common Nominal Facts for Coreference Resolution: Proof of Concept -- Documents -- Identifying Psychological Theme Words from Emotion Annotated Interviews -- Temporal Expression Recognition in Hindi -- A Joint Source Channel Model for the English to Bengali Back Transliteration -- Named Entity Recognition for Gujarati: A CRF Based Approach -- How Word Order Affects Sentence Comprehension in Bangla: A Computational Approach to Simple Sentence -- Importance of Utterance Partitioning in SVM Classifier with GMM Supervectors for Text-Independent Speaker Verification -- L1 Bengali Phonological Interference on L2 English -- Analysis of Bengali AESOP Corpus -- Evolution of the Modern Phase of Written Bangla: A Statistical Study -- Contextualizing Time in Linguistic Discourse: Cues to Individuate and to Order Events -- Utterance Discourse and Meaning: A Pragmatic Journey with the Bangla Discourse Particle /na/ -- Symmetry in Prosodic Pattern of Rhyme and Daily Speech: Pragmatics of Perception -- Prosody Modeling: A Review Report on Indian Language.

Sommario/riassunto

This book constitutes the proceedings of the First International Conference on Mining Intelligence and Knowledge Exploration, MIKE 2013, held in Tamil Nadu, India on December 2013. The 82 papers presented were carefully reviewed and selected from 334 submissions. The papers cover the topics such as feature selection, classification, clustering, image processing, network security, speech processing, machine learning, information retrieval, recommender systems, natural language processing, language, cognition and computation and other certain problems in dynamical systems.