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Nota di contenuto	Social Networks -- Influence Clubs in Social Networks -- A Method of Label-Dependent Feature Extraction in Social Networks -- Identifying Representative Reviewers in Internet Social Media -- Fitcolab Experimental Online Social Networking System -- General Network Properties of Friendship Online Social Network -- Innovations in Computation and Application -- Fuzzy Decision Making for IJV Performance Based on Statistical Confidence-Interval Estimates -- Designing a Learning System Based on Voice Mail -- A Case Study of English Oral Training -- A Gene Selection Method for Microarray Data Based on Sampling -- The Similarity of Video Based on the Association Graph Construction of Video Objects -- Using SOA Concept to

Construct an e-Learning System for College Information Management Courses -- Cryptanalysis on Sun-Yeh's Password-Based Authentication and Key Distribution Protocols with Perfect Forward Secrecy -- Using Genetic Algorithms for Personalized Recommendation -- Intelligenet Signal Processing for Human-Machine Interaction (I) -- Pretreatment for Speech Machine Translation -- Emotion Aware Mobile Application -- Boosting-Based Ensemble Learning with Penalty Setting Profiles for Automatic Thai Unknown Word Recognition -- AONT Encryption Based Application Data Management in Mobile RFID Environment -- A Query Answering Greedy Algorithm for Selecting Materialized Views -- Capturing Users' Buying Activity at Akihabara Electric Town from Twitter -- Novel Approaches to Intelligent Applications -- Private Small-Cloud Computing in Connection with WinCE Thin Client -- Honey Bee Mating Optimization Algorithm for Approximation of Digital Curves with Line Segments and Circular Arcs -- Harmful Adult Multimedia Contents Filtering Method in Mobile RFID Service Environment -- Efficient GHA-Based Hardware Architecture for Texture Classification -- Stability by Feedback of the Second Order Singular Distributed Parameter Systems Containing Infinite Many Poles -- Mining Generalized Association Rules with Quantitative Data under Multiple Support Constraints -- Intelligent Technologies for Medical Related Applications -- Comparison of Edge Segmentation Methods to Tongue Diagnosis in Traditional Chinese Medicine -- The Grading of Prostatic Cancer in Biopsy Image Based on Two Stages Approach -- Automatic Drug Image Identification System Based on Multiple Image Features -- On the Development of a Brain Simulator -- Obstructive Sleep Apnea Diagnosis from Electroencephalography Frequency Variation by Radial Basis Function Neural Network -- Authentication and Protection for Medical Image -- Intelligenet Signal Processing for Human-Machine Interaction (II) -- FLC-Regulated Speaker Adaptation Mechanisms for Speech Recognition -- Monitoring of the Multichannel Audio Signal -- Watermark Synchronization Based on Locally Most Stable Feature Points -- Audio Watermarking with HOS-Based Cepstrum Feature -- Processing Certificate of Authorization with Watermark Based on Grid Environment -- Novel Approaches to Collective Computations and Systems -- Probability Collectives Multi-Agent Systems: A Study of Robustness in Search -- An Improved Ant Algorithm for Fuzzy Data Mining -- Information-Driven Collective Intelligences -- Instructional Design for Remedial English e-Learning -- A Web-Based E-Teaching System under Low Bit-Rate Constraint -- Using Freeware to Construct a Game-Based Learning System -- Intelligent Systems -- Three Kinds of Negations in Fuzzy Knowledge and Their Applications to Decision Making in Financial Investment -- Using Fuzzy Neural Network to Explore the Effect of Internet on Quality of Life -- The Power Load Forecasting by Kernel PCA -- A Study of USB 3 in Perspective Aspect -- A Study of CAPTCHA and Its Application to User Authentication -- TAIEX Forecasting Based on Fuzzy Time Series and the Automatically Generated Weights of Defuzzified Forecasted Fuzzy Variations of Multiple-Factors -- Advanced Knowledge Management (I) -- Concept Document Repository to Support Research of the Coal Industry Development Forecasting -- Forecasting Coal and Rock Dynamic Disaster Based on Adaptive Neuro-Fuzzy Inference System -- Context-Aware Workflow Management Based on Formal Knowledge Representation Models -- A Consensus-Based Method for Fuzzy Ontology Integration -- Contextual Information Search Based on Ontological User Profile -- Rough Sets Based Association Rules Application for Knowledge-Based System Design.

Conference on Computational Collective Intelligence—Technologies and Applications (ICCCI 2010), which was hosted by National Kaohsiung University of Applied Sciences and Wroclaw University of Technology, and was held in Kaohsiung City on November 10-12, 2010. ICCCI 2010 was technically co-sponsored by Shenzhen Graduate School of Harbin Institute of Technology, the Tainan Chapter of the IEEE Signal Processing Society, the Taiwan Association for Web Intelligence Consortium and the Taiwanese Association for Consumer Electronics. It aimed to bring together researchers, engineers and po- cymakers to discuss the related techniques, to exchange research ideas, and to make friends. ICCCI 2010 focused on the following themes: • Agent Theory and Application • Cognitive Modeling of Agent Systems • Computational Collective Intelligence • Computer Vision • Computational Intelligence • Hybrid Systems • Intelligent Image Processing • Information Hiding • Machine Learning • Social Networks • Web Intelligence and Interaction Around 500 papers were submitted to ICCCI 2010 and each paper was reviewed by at least two referees. The referees were from universities and industrial organizations. 155 papers were accepted for the final technical program. Four plenary talks were kindly offered by: Gary G. Yen (Oklahoma State University, USA), on “Population Control in Evolutionary Multi-objective Optimization Algorithm,” Chin-Chen Chang (Feng Chia University, Taiwan), on “Applying De-clustering Concept to Information Hiding,” Qinyu Zhang (Harbin Institute of Technology, China), on “Cognitive Radio Networks and Its Applications,” and Lakhmi C.
