

1. Record Nr.	UNISA996465978203316
Titolo	Computational Collective Intelligence. Technologies and Applications [[electronic resource]] : Second International Conference, ICCCI 2010, Kaohsiung, Taiwan, November 10-12, 2010. Proceedings, Part II // edited by Jeng-Shyang Pan, Shyi-Ming Chen, Ngoc-Thanh Nguyen
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-39022-0 9786613568144 3-642-16732-2
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XV, 514 p. 257 illus.)
Collana	Lecture Notes in Artificial Intelligence ; ; 6422
Disciplina	006.3
Soggetti	Artificial intelligence Application software Computer communication systems Data mining Algorithms User interfaces (Computer systems) Artificial Intelligence Information Systems Applications (incl. Internet) Computer Communication Networks Data Mining and Knowledge Discovery Algorithm Analysis and Problem Complexity User Interfaces and Human Computer Interaction
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 index.
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 -- Intellignet
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 -- Intellignet 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.

Sommario/riassunto

This volume composes the proceedings of the Second International 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 policymakers 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.
