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Titolo	Innovative Computing, Optimization and Its Applications : Modelling and Simulations // edited by Ivan Zelinka, Pandian Vasant, Vo Hoang Duy, Tran Trong Dao
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Disciplina	004.0151
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Performance Analysis of DF Model in the Energy Harvesting Half-duplex and Full-Duplex Relay Networks -- A Model of Swarm Intelligence Based Optimization Framework Adjustable According to Problems -- Domain Model Definition for Domain-Specific RuleGeneration Using Variability Model -- A set-partitioning-based model to save cost on the import processes -- Combining Genetic Algorithm with Variable Neighborhood Search for MAX-SAT -- Enzyme classification on DUD-E database using Logistic Regression Ensemble (Lorens) -- Consolidation of Host-Based Mobility Management Protocols in Wireless Mesh Network -- Application of parallel computing technologies for numerical simulation of air transport in the human nasal cavity -- Genetic Algorithms-based Techniques for Solving Dynamic Optimization Problems with Unknown Active Variables and Boundaries -- Text Segmentation Methods: A Critical Review -- On-Line Power Systems Security Assessment Using Data Stream Random Forest Algorithm Modification -- Enhanced Security of Internet Banking Authentication with Extended Honey Encryption (XHE) Scheme -- An Enhanced Possibilistic Programming Model with Fuzzy Random Confidence-Interval for Multi-Objective Problem -- A Crowdsourcing

Approach for Volunteering System -- One Dimensional Vehicle Tracking Analysis in Vehicular Ad hoc Networks -- Parallel Coordinates Visualization Tool on the Air Pollution Data for Northern Malaysia -- Application of Artificial bee colony algorithm for model parameter identification -- A novel weighting scheme applied to improve the text document clustering techniques -- A Methodological Framework To Emulate The Visual Of Malaysian Shadow Play With Computer-Generated Imagery -- Performance Evaluation of Hot Mix Asphalt Concrete by Using Polymeric Waste Polyethylene.

Sommario/riassunto

This book presents the latest research of the field of optimization, modeling and algorithms, discussing the real-world application problems associated with new innovative methodologies. The requirements and demands of problem solving have been increasing exponentially and new computer science and engineering technologies have reduced the scope of data coverage worldwide. The recent advances in information communication technology (ICT) have contributed to reducing the gaps in the coverage of domains around the globe. The book is a valuable reference work for researchers in the fields of computer science and engineering with a particular focus on modeling, simulation and optimization as well as for postgraduates, managers, economists and decision makers.
