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| Titolo                  | Advances in Swarm Intelligence : 8th International Conference, ICSI 2017, Fukuoka, Japan, July 27 – August 1, 2017, Proceedings, Part II // edited by Ying Tan, Hideyuki Takagi, Yuhui Shi, Ben Niu  |
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| Collana                 | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 10386   |
| Disciplina              | 006.3  |
| Soggetti                | Algorithms<br>Numerical analysis<br>Data mining<br>Artificial intelligence<br>Computer simulation<br>Numerical Analysis<br>Data Mining and Knowledge Discovery<br>Artificial Intelligence<br>Computer Modelling  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Includes index.  |
| Nota di contenuto       | Multi-objective Optimization -- A Parametric Study of Crossover Operators in Pareto-based Multiobjective Evolutionary Algorithm -- Non-dominated Sorting and Crowding Distance Based Multi-objective Chaotic Evolution -- On Performance Improvement based on Restart Meta-Heuristic Implementation for Solving Multi-Objective Optimization Problems -- Using multi-objective evolutionary algorithm to solve dynamic environment and economic dispatch with EVs -- Improved Interval Multi-objective Evolutionary Optimization Algorithm based on Directed Graph -- A Novel Linear Time Invariant Systems Order Reduction Approach based on Cooperative Multi-Objective Genetic Algorithm -- Solving Constrained Multi-objective Optimization Problems with Evolutionary Algorithms -- Portfolio Optimization -- |

Multi-objective Comprehensive Learning Bacterial Foraging  
Optimization for Portfolio Optimization -- Metaheuristics for Portfolio  
Optimization -- Community Detection -- Community Detection under  
Exponential Random Graph Model: A Metaheuristic Approach -- An  
Enhanced Particle Swarm Optimization Based on Physarum Model for  
Community Detection -- The Design and Development of the Virtual  
Learning Community for Teaching Resources Personalized  
Recommendation -- The Effect of Event Sentiment on Product  
Recommendation in a Microblog Platform -- Multi-Agent Systems and  
Swarm Robotics -- Solar Irradiance Forecasting Based on the Multi-  
agent Adaptive Fuzzy Neuronet -- Passive Field Dynamics Method: an  
Advanced Physics-based Approach for Formation Control of Robot  
Swarm -- Adaptive Potential Fields Model for Solving Distributed Area  
Coverage Problem in Swarm Robotics -- Swarm-based Spreading Points  
-- A Survivability Enhanced Swarm Robotic Searching System Using  
Multi-Objective Particle Swarm Optimization -- Autonomous  
Coordinated Navigation of Virtual Swarm Bots in Dynamic Indoor  
Environments by Bat Algorithm -- Building Fractals with a Robot Swarm  
-- A Stigmergy Based Search Method for Swarm Robots -- Cooperative  
Control of Multi-Robot System Using Mobile Agent for Multi Source  
Localization -- Hybrid Optimization Algorithms and Applications --  
Evolutionary Fuzzy Control of Three Robots Cooperatively Carrying an  
Object for Wall Following through the Fusion of Continuous ACO and  
PSO -- Optimal Operational Planning of Energy Plants by Multi-  
population Differential Evolutionary Particle Swarm Optimization -- A  
Review on Hybridization of Particle Swarm Optimization with Artificial  
Bee Colony -- Study on Greedy Search to Improve Simulated Annealing  
Algorithm for Large-scale Traveling Salesman Problem -- A Hybrid  
Swarm based Composition for Chinese Music -- Fuzzy and Swarm  
Approach -- Fuzzy Logic Controller Design for Tuning the Cooperation  
of Bio-Inspired Algorithms -- Making Capital Budgeting Decisions for  
Project Abandonment by Fuzzy Approach -- An Imputation for Missing  
Data Features based on Fuzzy Swarm Approach in Heart Disease  
Classification -- Clustering and Forecast -- Total Optimization of  
Smart City Using Initial Searching Points Generation Based on k-means  
Algorithm -- Clustering Analysis of ECG Data Streams -- A Novel  
Multi-cell Multi-Bernoulli Tracking Method Using Local Fractal Feature  
Estimation -- An Improved Locality Preserving Projection Method for  
Dimensionality Reduction with Hyperspectral Image -- Applying a  
Classification Model for Selecting Postgraduate Programs -- University  
Restaurant Sales Forecast Based on BP neural Network - In Shanghai  
Jiao Tong University Case -- Classification and Detection -- Swarm  
ANN/SVR-based modeling method for warfarin dose prediction in  
Chinese -- A Novel HPSOSA for Kernel Function Type and Parameter  
Optimization of SVR in Rainfall Forecasting -- An Improved Weighted  
ELM with Krill Herd Algorithm for Imbalanced Learning -- Fast Pseudo  
Random Forest using Discrimination Hyper-space -- A Fast Video  
Vehicle Detection Approach based on Improved Adaboost Classifier --  
Detection of Repetitive Forex Chart Patterns -- Damage Estimation  
from Cues of Image Change -- Identifying Deceptive Review Comments  
with Rumor and Lie Theories -- Identifying Fake Review Comments for  
Hostel Industry -- Planning and Routing Problems -- Multi-UAV  
Cooperative Path Planning for Sensor Placement Using Cooperative  
Coevolving Genetic Strategy -- Optimal Micro-Siting Planning  
Considering Long-Term Electricity Demand -- A Hyper-Heuristic  
Method for UAV Search Planning -- An Efficient MVMO-SH Method for  
Optimal Capacitor Allocation in Electric Power Distribution Systems --  
A Method of New Workers' Accurate Acceptance of Tasks Using Capable

Sensing -- A Genetic Mission Planner for Solving Temporal Multi-agent Problems with Concurrent Tasks -- Reformulation and Metaheuristic for the Team Orienteering Arc Routing Problem -- Application of Smell Detection Agent Based Algorithm for Optimal Path Identification by SDN Controllers -- A Comparison of Heuristic Algorithms for Bus Dispatch -- Simulation and Application of Algorithms CVRP to Optimize the Transport of Minerals Metallic and Nonmetallic by Rail for Export -- Dialog System Applications -- User Intention Classification in An Entities Missed In-vehicle Dialog System -- An Exploratory Study of Factors Affecting Number of Fans on Facebook Based on Dialogic Theory -- Assembling Chinese-Mongolian Speech Corpus via Crowdsourcing -- Robotic Control -- Developing Robot Drumming Skill with Listening-Playing Loop -- Evaluation of Parameters of Transactions When Remote Robot Control -- Desktop Gestures Recognition for Human Computer Interaction -- Approach to the Diagnosis and Configuration of Servo Drives in Heterogeneous Machine Control Systems -- Other Applications -- Gravitational Search Algorithm in Recommendation Systems -- A Driver Model Based on Emotions -- A Binaural Signal Synthesis Approach for Fast Rendering of Moving Sound -- Semantic Evolutionary Visualization. .

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### Sommario/riassunto

The two-volume set of LNCS 10385 and 10386, constitutes the proceedings of the 8th International Conference on Advances in Swarm Intelligence, ICSI 2017, held in Fukuoka, Japan, in July/August 2017. The total of 133 papers presented in these volumes was carefully reviewed and selected from 267 submissions. The paper were organized in topical sections as follows: Part I: theories and models of swarm intelligence; novel swarm-based optimization algorithms; particle swarm optimization; applications of particle swarm optimization; ant colony optimization; artificial bee colony algorithms; genetic algorithms; differential evolution; fireworks algorithm; brain storm optimization algorithm; cuckoo search; and firefly algorithm. Part II: multi-objective optimization; portfolio optimization; community detection; multi-agent systems and swarm robotics; hybrid optimization algorithms and applications; fuzzy and swarm approach; clustering and forecast; classification and detection; planning and routing problems; dialog system applications; robotic control; and other applications. .

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