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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Impact of stubborn individuals on a spread of infectious disease under voluntary vaccination policy -- Cognitive Bias, ABM and Emergence of China Stock Market -- Collective behavior in cascade model depend on turn of choice -- Improved performance of a cooperative genetic algorithm when solutions were presented as cartoon faces -- Parallel Particle Swarm Optimization Using Message Passing Interface -- An Automatic Clustering Algorithm Based on a Competition Model of Probabilistic PCA -- Bayesian Inference to Sustain Evolvability in Genetic Programming -- Synthesis of Clock Signal from Genetic Oscillator -- A Multi-agent System for Smartphone Intrusion Detection Framework -- A Risk-Averse Inventory Cost Model using CVaR -- Multi-objective Heterogeneous Capacitated Vehicle Routing Problem with Time Windows and Simultaneous Pickup and Delivery for Urban Last Mile Logistics -- Orthogonal Predictive Differential Evolution -- Content-Adaptive Analysis and Filtering of Microblogs Traffic for Event-Monitoring Applications -- A New Supervised Learning Algorithm for Spiking Neurons -- An optimization method of SNNs for shortest

path problem -- C2: Adaptive Load Balancing for Metadata Server Cluster in Cloud-scale Storage Systems -- A Multi-Agent Simulation Framework to Support Agent Interactions under Different Domains.- Automatic Ultrasound Image Segmentation Framework based on Darwinian Particle Swarm Optimization.-Chinese Text Similarity Computation via the 1D-PW CNN -- A New Approach for Product Design by Integrating Assembly and Disassembly Sequence Structure Planning -- Community Detection from Signed Social Networks using a Multi-objective Evolutionary Algorithm -- Solving Multimode Resource-Constrained Project Scheduling Problems using an Organizational Evolutionary Algorithm -- Cyber-Physical Systems: the Next Generation of Evolvable Hardware Research and Applications -- Searching for agents' best risk profiles -- MA-Net: A reliable memetic algorithm for community detection by modularity optimization -- Identifying the High-Value Social Audience from Twitter through Text-Mining Methods -- Understanding the Behavior of Solid State Disk -- Supply Chain Risk Mitigation and the Application Potential of Complex Systems Approaches -- An Adaptive Clustering and Re-clustering based Crowding Differential Evolution for Continuous Multi-modal Optimization -- A Network Connectivity Embedded Clustering Approach for Supply Chain Risk Assessment -- Proposal and Evaluation of a Robust Pheromone-based Algorithm for the Patrolling Problem with Various Graph Structure -- A Choreographer leads the Pareto efficient equilibrium in the three-person network externality games: Experimental Evidence -- Figure Pattern Creation Support for Escher-Like Tiling by Interactive Genetic Algorithms -- Angle-based Outlier Detection Algorithm with More Stable Relationships -- An Opposition-based Self-adaptive Hybridized Differential Evolution Algorithm for Multi-objective Optimization (OSADE) -- Agent-based Modeling of Economic Volatility and Risk Propagation on Evolving Networks -- Cuckoo Optimization Algorithm for Optimal Power Flow -- constrained differential evolution algorithm with a novel local search operator for constrained optimization problems -- Structurization of Design Space for Launch Vehicle with Hybrid Rocket Engine Using Stratum-Type Association Analysis -- Evolving the Parameters of Differential Evolution using Evolutionary Algorithms -- Individual-based Cooperative Coevolution Local Search for Large Scale Optimization -- Action Recognition Using Hierarchical Independent Subspace Analysis with Trajectory -- A Spiking Neural Network Model for Associative Memory Using Temporal Codes -- A novel adaptive - constrained method for constrained problem -- Sensitivity Analysis of Fuzzy Signatures Using Minkowski's Inequality -- Large strategy adaptation neighborhood bolsters network reciprocity in prisoner's dilemma games -- Evolutionary Robust Optimization with Multiple Solutions.-Artificial Bee Colony Algorithm based on Local Information Sharing in Dynamic Environment -- Regularized Boost for Semi-supervised Ranking -- Brain CT image Classification with Deep Neural Networks -- Wind Tunnel Evaluation Based Design of Lift Creating Cylinder Using Plasma Actuators -- A Preliminary Study on Quality Control of Oceanic Observation Data by Machine Learning Methods -- Product Differentiation under Bounded Rationality.

## Sommario/riassunto

This book contains a collection of the papers accepted in the 18th Asia Pacific Symposium on Intelligent and Evolutionary Systems (IES 2014), which was held in Singapore from 10-12th November 2014. The papers contained in this book demonstrate notable intelligent systems with good analytical and/or empirical results.