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Disciplina	006.3
Soggetti	Artificial intelligence Algorithms Computer science Pattern recognition systems Computer vision Application software Artificial Intelligence Theory of Computation Automated Pattern Recognition Computer Vision Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Artificial Life and Computational Intelligence -- Extending the Delaunay Triangulation Based Density Measurement to Many-objective Optimization -- Emotion, Trustworthiness and Altruistic Punishment in a Tragedy of the Commons Social Dilemma -- Equity Option Strategy Discovery and Optimization Using a Memetic Algorithm -- Co-Evolving Line Drawings with Hierarchical Evolution -- Reliability estimation of individual multi-target regression predictions -- Feedback Modulated Attention Within a Predictive Framework -- A Batch Infill Strategy for Computationally Expensive Optimization Problems -- Automatic Clustering and Summarisation of Microblogs: A Multi-Subtopic Phrase

Reinforcement Algorithm -- Generation and exploration of architectural form using a composite Cellular Automata -- Wrapper Feature Construction for Figure-ground Image Segmentation Using Genetic Programming -- Surrogate-assisted Multi-swarm Particle Swarm Optimization of Morphing Airfoils -- Applying Dependency Patterns in Causal Discovery of Latent Variable Models -- An Evolutionary Multi-criteria Journey Planning Algorithm for Multi-modal Transportation Networks -- Estimating Passenger Preferences Using Implicit Relevance Feedback for Personalized Journey -- Quantitative Assessment of Hearts Function: A Hybrid Mechanism for Left Ventricles Segmentation from Cine MRI Sequences -- A Hybrid feature selection scheme based on local compactness and global separability for improving roller bearing diagnostic performance -- Reliable Fault Diagnosis of Bearings Using Distance and Density Similarity on an Enhanced k-NN -- Towards Solving TSPN with Arbitrary Neighborhoods: A Hybrid Solution -- Detectable Genetic Algorithms-based techniques for solving Dynamic Optimisation Problem with Unknown Active Variables -- Neighbourhood analysis: a case study on Google Machine Reassignment Problem -- Optimisation Algorithms and Applications -- Multi-Objective Optimisation with Multiple Preferred Regions -- An Adaptive Memetic Algorithm for the Architecture Optimisation Problem -- Resource Constrained Job Scheduling with Parallel Constraint-based ACO -- An Iterated Local Search with Guided Perturbation for the Heterogeneous Fleet Vehicle Routing Problem with Time Windows and Three-Dimensional Loading Constraints -- A Memetic Cooperative Co-evolution Model for Large Scale Continuous Optimization -- Investigating the Generality of Genetic Programming based Hyper-heuristic Approach to Dynamic Job Shop Scheduling with Machine Breakdown -- Exploratory Analysis of Clustering Problems Using a Comparison of Particle Swarm Optimization and Differential Evolution -- A PSO-based Reference Point Adaption Method for Genetic Programming Hyper-heuristic in Many-Objective Job Shop Scheduling -- Optimal power allocation of wireless sensor networks with multi-operator based constrained differential evolution -- CEMAB: A Cross-Entropy-based Method for Large-Scale Multi-Armed Bandits -- Binary PSO for Web Service Location-Allocation -- A MOEA/D with Non-uniform Weight Vector Distribution Strategy for Solving the Unit Commitment Problem in Uncertain Environment.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third Australasian Conference on Artificial Life and Computational Intelligence, ACALCI 2017, held in Geelong, VIC, Australia, in January/February 2017. The 32 papers presented in this volume were carefully reviewed and selected from 47 submissions. They were organized in topical sections named: artificial life and computational intelligence and optimization algorithms and applications. .