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Soggetti	Computers Artificial intelligence Algorithms Numerical analysis Computer organization Computation by Abstract Devices Artificial Intelligence Algorithm Analysis and Problem Complexity Numeric Computing Information Systems and Communication Service Computer Systems Organization and Communication Networks
Lingua di pubblicazione	Inglese
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Nota di contenuto	Cooperative Model of Evolutionary Algorithms and Real-World Problems -- Pareto-based Self-Organizing Migrating Algorithm solving 100-Digit Challenge -- Population Size in Differential Evolution -- Channel Assignment with Ant Colony Optimization -- Self-organizing migrating algorithm with non-binary perturbation -- Boundary Strategies for Self-organizing Migrating Algorithm Analyzed Using CEC'17 Benchmark -- MOEA with Approximate Nondominated Sorting based on Sum of

Normalized Objectives -- Evolutionary Bi-Objective Optimization and Knowledge Extraction for Electronic and Automotive Cooling -- Classification of Stock Market Trends with Confidence-based Selective Predictions -- A Neural Net Based Prediction of Sound Pressure Level for the Design of the Aerofoil -- Competition of Strategies in jSO Algorithm -- Neural swarm virus -- Wrapper-based feature selection using Self-adaptive Differential Evolution -- SOMA T3A for Solving the 100-Digit Challenge -- Tracking the exploration and exploitation in stochastic population-based nature-inspired algorithms using recurrence plots -- Insight into Adaptive Differential Evolution Variants with Unconventional Randomization Schemes -- Virtual Measurement of the Backlash Gap in Industrial Manipulators -- Hybrid Elephant Herding Optimization Approach for Cloud Computing Load Scheduling.

Sommario/riassunto

This volume constitutes the thoroughly refereed post-conference proceedings of the 7th International Conference on Swarm, Evolutionary, and Memetic Computing, SEMCCO 2019, and 5th International Conference on Fuzzy and Neural Computing, FANCCO 2019, held in Maribor, Slovenia, in July 2019. The 18 full papers presented in this volume were carefully reviewed and selected from a total of 31 submissions for inclusion in the proceedings. The papers cover a wide range of topics in swarm, evolutionary, memetic and other intelligent computing algorithms and their real world applications in problems selected from diverse domains of science and engineering.
