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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12052
Disciplina	006.3
Soggetti	Artificial intelligence Algorithms Numerical analysis Computer networks Computer engineering Artificial Intelligence Numerical Analysis Computer Communication Networks Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From Feature Selection to Continuous Optimization -- Evolving a Weighted Combination of Text Similarities for Authorship Attribution -- Image Signal Processor Parameter Tuning with Surrogate-assisted Particle Swarm Optimization -- Combinatorial Surrogate-assisted Optimization for Bus Stops Spacing Problem -- Optimization of a Checkers Player Using Neural and Metaheuristic Approaches -- A Novel Outlook on Feature Selection as a Multi-Objective Problem -- Fast Evolutionary Algorithm for Solving Large-scale Multi-objective Problems -- Looking for Energy Efficient Genetic Algorithms -- Evolving Fitness Landscapes with Complementary Fitness Functions --

Bayesian Immigrant Diploid Genetic Algorithm for Dynamic Environments -- Ant Colony Optimization Algorithm for a Transportation Problem in Home Health Care with the Consideration of Carbon Emissions -- Selective Vehicle Routing Problem: A Hybrid Genetic Algorithm Approach -- Fixed Jobs Multi-agent Scheduling Problem with Renewable Resources -- A Study of Recombination Operators for the Cyclic Bandwidth Problem -- Automatic Calibration of a Farm Irrigation Model: a Multi-modal Optimization Approach -- A Hybrid Evolutionary Algorithm for Off-line UAV Path Planning.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 14th International Conference on Artificial Evolution, EA 2019, held in Mulhouse, France, in October 2019. The 16 revised papers were carefully reviewed and selected from 33 submissions. The papers cover a wide range of topics in the field of artificial evolution, such as evolutionary computation, evolutionary optimization, co-evolution, artificial life, population dynamics, theory, algorithmic and modeling, implementations, application of evolutionary paradigms to the real world (industry, biosciences...), other biologically-inspired paradigms (swarm, artificial ants, artificial immune systems, cultural algorithms...), memetic algorithms, multi-objective optimization, constraint handling, parallel algorithms, dynamic optimization, machine learning and hybridization with other soft computing techniques.
