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Soggetti	Artificial intelligence Computer networks Computer science Algorithms Application software Information technology—Management Artificial Intelligence Computer Communication Networks Theory of Computation Computer and Information Systems Applications Computer Application in Administrative Data Processing
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Theory -- Extremal Optimization Dynamics in Neutral Landscapes: The Royal Road Case -- Improving the Scalability of EA Techniques: A Case Study in Clustering -- Ant Colony Optimization -- MC-ANT: A Multi-Colony Ant Algorithm -- Applications -- Artificial Evolution for 3D PET Reconstruction -- A Hybrid Genetic Algorithm/Variable Neighborhood Search Approach to Maximizing Residual Bandwidth of Links for Route Planning -- Parallelization of an Evolutionary Algorithm on a Platform

with Multi-core Processors -- On the Difficulty of Inferring Gene Regulatory Networks: A Study of the Fitness Landscape Generated by Relative Squared Error -- Combinatorial Optimization -- Memetic Algorithms for Constructing Binary Covering Arrays of Strength Three -- A Priori Knowledge Integration in Evolutionary Optimization -- Robotics -- On-Line, On-Board Evolution of Robot Controllers -- The Transfer of Evolved Artificial Immune System Behaviours between Small and Large Scale Robotic Platforms -- Multi-objective Optimization -- An Analysis of Algorithmic Components for Multiobjective Ant Colony Optimization: A Case Study on the Biobjective TSP -- Alternative Fitness Assignment Methods for Many-Objective Optimization Problems -- Genetic Programming -- Evolving Efficient List Search Algorithms -- Semantic Similarity Based Crossover in GP: The Case for Real-Valued Function Regression -- Genetic-Programming Based Prediction of Data Compression Saving -- Machine Learning -- On the Characteristics of Sequential Decision Problems and Their Impact on Evolutionary Computation and Reinforcement Learning.

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