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| Nota di contenuto | An Adapting Quantum Field Surrogate for Evolution Strategies -- DynaGrow: Next Generation Software for Multi-Objective Energy Cost-Efficient Control of Supplemental Light in Greenhouses -- A System for Evolving Art using Supervised Learning and Aesthetic Analogies -- Particle Convergence Expected Time in The Stochastic Model of PSO -- Evolution of Mobile Strategies in Social Dilemma Games: An Analysis of Cooperative Cluster Formation -- The Impact of Coevolution and Abstention on the Emergence of Cooperation -- Advances in the Evolution of Complex Cellular Automata -- Fuzzy Modeling, Control and Prediction in Human-Robot Systems -- Classification Confusion within Nefclass Caused by Feature Value Skewness in Multi-dimensional Datasets -- Hyperresolution for Propositional Product Logic with Truth Constants -- Fuzzy Clustering of High Dimensional Data with Noise and Outliers -- E-mail Spam Filter based on Unsupervised Neural Architectures and Thematic Categories -- A Noise Compensation Mechanism for an RGNG-based Grid Cell Model -- A Possible Encoding of 3D Visual Space in Primates. |

Sommario/riassunto

This book gathers revised and extended versions of the best papers presented at the 8th International Joint Conference on Computational Intelligence (IJCCI 2016), which was held in Porto, Portugal from 9 to 11 November 2016. The papers address three main fields of Computational Intelligence, namely: Evolutionary Computation, Fuzzy Computation, and Neural Computation. In addition to highlighting recent advances in these areas, the book offers veteran researchers new and innovative solutions, while also providing a source of information and inspiration for newcomers to the field.
