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Nota di contenuto	1. Multi Strategy Search with Crow Search Algorithm -- 2. Hybrid Genetic Algorithms -- 3. Flexible Project Scheduling Algorithms -- 4. Particle Swarm Optimization of Convolutional Neural Networks for Human Activity Prediction -- 5. Particle Swarm Optimization Algorithms with Applications to Wave Scattering Problems -- 6. On the Efficacy of Particle Swarm Optimization for Gateway Placement in LoRaWAN Networks -- 7. Pareto-Based Multiobjective Particle Swarm Optimization: Examples in Geophysical Modeling.
Sommario/riassunto	Optimisation is one of the unavoidable key subjects in engineering and other real-world problems, which attracts researchers' and practitioners' attention for decades. On the other hand, computational algorithms nowadays play a definitive role in most real-life applications, from mobile phones to supercomputers, Internet servers, manufacturing, etc. An intelligent method for the enumeration of feasible solutions may lead to efficient computational algorithms. Swarm intelligence emerges as a rather new and novel of field computational intelligence that turned into a hot spot in optimization studies last two decades. This book brings together a number of research articles within the intersection of these two prominent subjects, which introduces techniques and approaches in detail and demonstrates how optimisation problems can be solved with heuristic and swarm intelligence approaches. It contains a few contributions on Particle Swarm Optimisation (PSO) area, which is one of renown swarm

optimisation approaches that will shed light to issues around optimisation with swarm intelligence to guide junior researchers with implementation details provided.

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