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	Soggetti	Algorithms Artificial intelligence Computer networks Computer arithmetic and logic units Application software Artificial Intelligence Computer Communication Networks Arithmetic and Logic Structures Computer and Information Systems Applications
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	Nota di contenuto	Multi-agent System -- Multi-robot Cooperation Strategy in a Partially Observable Markov Game Using Enhanced Deep Deterministic Policy Gradient -- Research on the Construction of Underwater Platform Combat Deduction System Based on Service-Oriented and Multi-Agent Technology -- Context-aware Layered Learning for Argumentation Based Multiagent Collaborative Recognition -- TH-GRN Model Based Collective Tracking in Confined Environment -- Multi-Objective Optimization -- Multi-objective Optimization of a Steering Linkage Using Alternative Objective Functions -- Using two reproduction operators for Balancing Convergence and Diversity in MOEA/D -- A Surrogate-Assisted Improved Many-Objective Evolutionary Algorithm

-- Research of Multi-objective Personalized Recommendation Algorithm Based on Multi-thread Concurrency -- Multi-criteria Recommender Systems Based on Multi-objective Hydrologic Cycle Optimization -- Neural Networks -- Convolutional Neural Network Inception-v3: A Machine Learning Approach for Leveling Short-Range Rainfall Forecast Model from Satellite Image -- Application of Convolutional Neural Network in Object Recognition of Remote Sensing Image -- Paragraph Coherence Detection Model Based on Recurrent Neural Networks -- Use of Artificial Neural Networks in Determining Domestic Violence Predictors -- Acute Lymphoblastic Leukemia Cell Detection in Microscopic Digital Images Based on Shape and Texture Features -- Novel Algorithm for Blind Classification of Space-Time Block Codes in cognitive radio -- Spiking Neural Models and Their Application in DNA Microarrays Classification -- An Unified View on the Feedforward Neural Network Architecture -- Machine Learning -- Efficient Android Phishing Detection Based on Improved Naïve Bayes Algorithm -- Parkinson Disease Analysis Using Supervised and Unsupervised Techniques -- Implementation of the Eclipse Process Framework Composer Tool for the Documentation of Quality Management Systems: A Case Applied in Healthcare Services -- Enkephalon - Technological Platform to Support the Diagnosis of Alzheimer's Disease through the Analysis of Resonance Images Using Data Mining Techniques -- Experience on Learning through an AR-based Course -- Identification and Recognition -- Seismograph Design for Landslide Monitoring in The Andean Region Using Automatic Control Techniques and Mathematical Modeling -- Improving Chinese Named Entity Recognition with Semantic Information of Character Multi-position Representation -- The Discourse Structure Recognition Model Based on Text Classification -- Ballistic Wind Speed Identification Method Based on Hierarchical Optimization Algorithm -- BackgroundNet: Small Dataset-based Object Detection in Stationary Scenes -- A New Method for Identification of Essential Proteins by Information Entropy of Protein Complex and Subcellular Localization -- Research on Fault Diagnosis Method Based on RSAPSO-DBN -- Standard Modeling Practice Research for A Safety Technical Disclosure of Wind Turbine Maintenance Systems -- Social Computing and Knowledge Graph -- The Critical Factor Prompting the Usage of a Social Computing -- Social Coalition-based V2V Broadcasting Optimization Algorithm in VANETs -- An Interpretable Recommendations Approach Based On User Preferences And Knowledge Graph -- WSIA: Web Ontological Search Engine based on Smart Agents Applied to Scientific Articles -- Service Quality and Energy Management -- Record Management in the Cloud: Service Quality and Service Level Agreement -- Recovering Scale in Monocular DSO Using Multi-sensor Data -- Energy Management Strategy (EMS) for Hybrid Electric Vehicles Based on Safe Experimentation Dynamics (SED) -- Serial Interface Converter of Micromechanical Sensors to a Parallel Interface -- The Location Privacy Preserving Scheme Based on Hilbert Curve for Indoor LBS -- SSwWS: Structural Model of Information Architecture.

Sommario/riassunto	The two-volume set of LNCS 11655 and 11656 constitutes the proceedings of the 10th International Conference on Advances in Swarm Intelligence, ICSI 2019, held in Chiang Mai, Thailand, in June 2019. The total of 82 papers presented in these volumes was carefully reviewed and selected from 179 submissions. The papers were organized in topical sections as follows: Part I: Novel methods and algorithms for optimization; particle swarm optimization; ant colony optimization; fireworks algorithms and brain storm optimization; swarm intelligence algorithms and improvements; genetic algorithm

and differential evolution; swarm robotics. Part II: Multi-agent system; multi-objective optimization; neural networks; machine learning; identification and recognition; social computing and knowledge graph; service quality and energy management.