1.	Record Nr.	UNINA9910413447803321
	Titolo	Advances in Swarm Intelligence : 11th International Conference, ICSI 2020, Belgrade, Serbia, July 14–20, 2020, Proceedings / / edited by Ying Tan, Yuhui Shi, Milan Tuba
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
	ISBN	3-030-53956-3
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XVII, 689 p. 245 illus., 162 illus. in color.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12145
	Disciplina	006.3
	Soggetti	Computer science
		Computer engineering
		Computer networks
		Application software
		Computers
		Database management
		Theory of Computation
		Computer Engineering and Networks
		Computer and Information Systems Applications
		Computing Milieux
		Database Management System
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Swarm Intelligence and Nature-Inspired Computing Swarm Intelligence in Data Science: Applications, Opportunities and Challenges -- Synchronized Swarm Operation -- Prediction of Photovoltaic Power using Nature-Inspired Computing -- A Two-Step Approach to the Search of Minimum Energy Designs via Swarm Intelligence -- On Assessing the Temporal Characteristics of Reaching the Milestone by a Swarm -- Swarm-based Computing Algorithms for Optimization Learning Automata-based Fireworks Algorithm On Adaptive Assigning -- Binary Pigeon-Inspired Optimization for Quadrotor Swarm Formation Control -- A Novel Biogeography-based Optimization Algorithm with

Momentum Migration and Taxonomic Mutation -- A Modi ed Arti cial Bee Colony Algorithm for Scheduling Optimization of Multi-Aisle AS/RS System -- The Research of Flexible Scheduling of Workshop Based on Artificial Fish Swarm Algorithm and Knowledge Mining -- A Novel Image Segmentation Based on Clustering and Population-Based Optimisation -- Colour Quantisation by Human Mental Search -- Canine Algorithm for Node Disjoint Paths -- Particle Swarm Optimization -- Optimizing Hydrography Ontology Alignment through Compact Particle Swarm Optimization Algorithm -- Map Generation and Balance in the Terra Mystica Board Game Using Particle Swarm and Local Search -- Research on Crowd-sensing Task Assignment Based on Fuzzy Inference PSO Algorithm -- The improvement of V-shaped transfer function of Binary Particle Swarm Optimization -- Hybrid Ant Colony Optimization-based Method for Focal of a Disease Segmentation in Lung CT Images -- An Ant-Inspired Track-to-Track Recovery Approach for Construction of Cell Lineage Trees -- An Ant Colony Optimization Algorithm Based Automated Generation of Software Test Cases -- Brain Storm Optimization Algorithm -- BSO-CLS: Brain Storm Optimization Algorithm with Cooperative Learning Strategy -- A Hybrid Brain Storm Optimization Algorithm for Dynamic Vehicle Routing Problem -- Determinative Brain Storm Optimization.-An Adapting Chemotaxis Bacterial Foraging Optimization Algorithm for Feature Selection in Classification -- Bacterial Foraging Optimization Based on Levy Flight for Fuzzy Portfolio Optimization -- Adaptive bacterial foraging optimization based on roulette strategy -- An Improved Bacterial Foraging Optimization with Dierential and Poisson Distribution Strategy and its Application to Nurse Scheduling Problem -- Improved Bacterial Foraging Optimization Algorithm with Comprehensive Swarm Learning Strategies -- Modified Bacterial Foraging Optimization for Fuzzy MeanSemivariance-Skewness Portfolio Selection -- Genetic Algorithm and Evolutionary Computation -- A New Local Search Adaptive Genetic Algorithm for the Pseudo-Coloring Problem -- A Genetic Algorithm-Based Solver for small-scale Jigsaw Puzzles -- A New EDA with Dimension Reduction Technique for Large Scale Many-objective Optimization -- An Improved CMA-ES for Solving Large Scale Optimization Problem -- Archive Update Strategy Inuences Dierential Evolution Performance -- A Structural testing model using SDA algorithm -- Multi-objective Particle Swarm Optimisation for Cargo Packaging in Large Containers -- Multi-objective Combinatorial Generative Adversarial Optimization and Its Application in Crowdsensing.-Multi-Objective Dynamic Scheduling Model of Flexible Job Shop Based on NSGAII Algorithm and Scroll Window Technology -- Optimal Reservoir Optimization Using Multiobjective Genetic Algorithm -- Success-history based parameter adaptation in MOEA/D algorithm -- Image Clustering by Generative Adversarial Optimization and Advanced Clustering Criteria -- A Tool for Supporting the Evaluation of Active Learning Activities -- Inferring Candidate CircRNA-disease Associations by Bi-random Walk Based on CircRNA Regulatory Similarity -- Methods of Machine Learning in System Abnormal Behavior Detection -- Use of the industrial property system in Colombia (2018): a machine learning application -- Imbalanced Ensemble Learning for Enhanced Pulsar Identification -- Computational Analysis of Third-Grade Liquid Flow with Cross Diusion Eects: Application to Entropy Modeling -- Aula Touch Game: Digital tablets and their incidence in the development of citizen competences of middle education students in the district of Barranquilla-Colombia -- Case Classifi cation Processing and Analysis Method for Respiratory Belt Data -- Target Tracking Algorithm based on Density Clustering -- A Method for

Localization and Classifi cation of Breast Ultrasound Tumors -- Deep Learning Strategies for Survival Prediction in Prophylactic Resection Patients -- Method based on Data Mining Techniques for Breast Cancer Recurrence Analysis -- Parasite-Guest Infection Modeling: Social Science Applications -- Research on Sliding Mode Control of Underwater Vehicle-manipulator System Based on an Exponential Approach Law -- A Parallel Evolutionary Algorithm with Value Decomposition for Multi-Agent Problems -- O- ocking: Optimized Flocking Model on Autonomous Navigation for Robotic Swarm -- A Multi-agent Ant Colony Optimization Algorithm for Effective Vehicular Tra c Management -- Site Selection of the Colombian Antarctic Research Station based on Fuzzy-Topsis Algortihm -- Newtonian heating eects of Oldroyd-B liquid ow with cross-difussion and second order slip -- Econometric Algorithms Applied to the Incidence of Income on Satisfaction with Quality of Life in Latin American Capitals -- Analytical Study of Radiative Casson Nanoliquid Flow with Heat Absorption.

| Sommario/riassunto | This book constitutes the proceedings of the 11th International Conference on Advances in Swarm Intelligence, ICSI 2020, held in July 2020 in Belgrade, Serbia. Due to the COVID-19 pandemic the conference was held virtually. The 63 papers included in this volume were carefully reviewed and selected from 127 submissions. The papers are organized in 12 cohesive topical sections as follows: Swarm intelligence and nature-inspired computing; swarm-based computing algorithms for optimization; particle swarm optimization; ant colony optimization; brain storm optimization algorithm; bacterial foraging optimization; genetic algorithm and evolutionary computation; multi-objective optimization; machine learning; data mining; multi-agent system and robotic swarm, and other applications. |