1. Record Nr. UNINA9910337852303321

Titolo	Artificial Life and Evolutionary Computation : 13th Italian Workshop, WIVACE 2018, Parma, Italy, September 10–12, 2018, Revised Selected Papers / / edited by Stefano Cagnoni, Monica Mordonini, Riccardo Pecori, Andrea Roli, Marco Villani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	9783030217334 3030217337
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (X, 163 p. 54 illus., 39 illus. in color.)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 900
Disciplina	006.3 003.7
Soggetti	Artificial intelligence Algorithms Machine theory Computer science Computer networks Artificial Intelligence Formal Languages and Automata Theory Models of Computation Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Boolean Networks and Complex Systems -- An Improved Relevance Index Method to Search Important Structures in Complex Systems -- Evolving Critical Boolean Networks -- Self-loops favour diversification and asymmetric transitions between attractors in Boolean network models -- Economic, Societal and Technological Applications -- Evolution of workers' behaviour in dual labor markets -- Evolution of Generosity and its Infrastructure in Self-organizing Cooperative Societies -- Unveiling Latent Relations in the Photonics Techno-Economic Complex System -- Combining Machine Learning and Agent

	Based Modeling for Gold Price Prediction -- A Bio-Inspired Approach to WiFi-Based Indoor Localization -- Chemical, Biological and Medical Applications -- Synchronization effects in a metabolism-driven model of multi-cellular System -- Dynamic DNA Damage and Repair Modeling: Bridging the Gap between Experimental Damage Readout and Model Structure -- The relevance of Inorganic Nonlinear Chemical Reactions for the Origin of Life Studies -- Optimal Curing Strategy Enhancement of Epidemic Processes with self-adaptive SBX Crossover.
Sommario/riassunto	This book constitutes the revised selected papers of the 13th Italian Workshop on Artificial Life and Evolutionary Computation, WIVACE 2018, held in Parma, Italy, in September 2018. The 12 full papers presented were thoroughly reviewed and selected from 30 submissions. They cover the following topics: Boolean networks and complex systems; economic, societal and technological applications; chemical, biological and medical applications. The chapter “Unveiling Latent Relations in the Photonics Techno-Economic Complex System” is open access under a CC BY 4.0 license at link.springer.com.

2. Record Nr. UNINA9910409672303321

Titolo	Machine Learning for Networking : Second IFIP TC 6 International Conference, MLN 2019, Paris, France, December 3–5, 2019, Revised Selected Papers / / edited by Selma Boumerdassi, Éric Renault, Paul Mühlethaler
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-45778-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (498 pages) : illustrations
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 12081
Disciplina	006.31 004.6
Soggetti	Data mining Computer engineering Computer networks Application software Data protection Data Mining and Knowledge Discovery Computer Engineering and Networks Computer and Information Systems Applications Data and Information Security

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Network Anomaly Detection using Federated Deep Autoencoding Gaussian Mixture Model -- Towards a Hierarchical Deep Learning Approach for Intrusion Detection -- Network Trafic Classifi cation using Machine Learning for Software Defined Networks -- A Comprehensive Analysis of Accuracies of Machine Learning Algorithms for Network Intrusion Detection -- Q-routing: from the algorithm to the routing protocol -- Language Model Co-occurrence Linking for Interleaved Activity Discovery -- Achieving Proportional Fairness in WiFi Networks via Bandit Convex Optimization -- Denoising Adversarial Autoencoder for Obfuscated Tra c Detection and Recovery -- Root Cause Analysis of Reduced Accessibility in 4G Networks -- Space-time pattern extraction in alarm logs for network diagnosis -- Machine Learning Methods for Connection RTT and Loss Rate Estimation Using MPI Measurements Under Random Losses -- Algorithm Selection and Model Evaluation in Application Design using Machine Learning -- GAMPAL: Anomaly Detection forInternet Backbone Tra c by Flow Prediction with LSTM-RNN -- Revealing User Behavior by Analyzing DNS Tra c -- A new approach to determine the optimal number of clusters based on the Gap statistic -- MLP4NIDS: an e cient MLP-based Network Intrusion Detection for CICIDS2017 dataset -- Random Forests with a Steepend Gini-Index Split Function and Feature Coherence Injection -- Emotion-based Adaptive Learning Systems -- Machine learning methods for anomaly detection in IoT networks, with illustrations -- DeepRoute: Herding Elephant and Mice Flows with Reinforcement Learning -- Arguments Against using the 1998 DARPA Dataset for Cloud IDS Design and Evaluation and Some Alternative -- Estimation of the Hidden Message Length in Steganography: A Deep Learning Approach -- An Adaptive Deep Learning Algorithm Based Autoencoder for Interference Channels -- A Learning Approach for Road Tra c Optimization in Urban Environments -- CSI based Indoor localization using Ensemble Neural Networks -- Bayesian Classi ersin Intrusion Detection Systems -- A Novel Approach towards Analysis of Attacker Behavior in DDoS Attacks -- Jason-RS, a Collaboration between Agents and an IoT Platform -- Scream to Survive(S2S): Intelligent System to Life-Saving in Disasters Relief -- Association Rules Algorithms for Data Mining Process Based on Multi Agent System -- Internet of Things: Security Between Challenges and Attacks -- Socially and biologically inspired computing for self-organizing communications networks. .
Sommario/riassunto	This book constitutes the thoroughly refereed proceedings of the Second International Conference on Machine Learning for Networking, MLN 2019, held in Paris, France, in December 2019. The 26 revised full papers included in the volume were carefully reviewed and selected from 75 submissions. They present and discuss new trends in deep and reinforcement learning, patternrecognition and classi cation for networks, machine learning for network slicingoptimization, 5G system, user behavior prediction, multimedia, IoT, securityand protection, optimization and new innovative machine learning methods, performanceanalysis of machine learning algorithms, experimental evaluations ofmachine learning, data mining in heterogeneous networks, distributed and decentralizedmachine learning algorithms, intelligent cloud-support communications,ressource allocation,

energy-aware communications, software de ned networks,cooperative networks, positioning and navigation systems, wireless communications,wireless sensor networks, underwater sensor networks.