

1. Record Nr.	UNINA9910482964403321
Titolo	Artificial Intelligence and Evolutionary Computations in Engineering Systems // edited by Subhransu Sekhar Dash, C. Lakshmi, Swagatam Das, Bijaya Ketan Panigrahi
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-0199-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (781 pages)
Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 1056
Disciplina	006.3
Soggetti	Computational intelligence Signal processing Image processing Speech processing systems Wireless communication systems Mobile communication systems Computational Intelligence Signal, Image and Speech Processing Wireless and Mobile Communication
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Automatic Generation Control Using Novel PD plus FOPI Controller Tuned By Salp Swarm Algorithm -- Plant Disease Identification and Detection Using Support Vector Machines and Artificial Neural Networks -- Efficiency Comparison and Analysis of Pseudo-Random Generators in Network Security -- A Detailed Analysis of Intruders' Activities in the Network through the Real-Time Virtual Honeynet Experimentation -- Global and Local Signed Pressure Force Functions Active Contour Model Based on Entropy -- Optimization of Big Data Using Rough Set Theory and Data Mining for Textile Applications -- Machine Learning Based Device for Visually Impaired Person -- Forest Cover Classification Using Stacking Of Ensemble Learning and Neural Networks -- Predicting the Trends of Price for Ethereum Using Deep Learning Techniques -- Development of a Novel Embedded Board: Canduino -- Sales Demand Forecasting using Lstm Network -- Privacy Enhanced Emotion

Recognition Approach for Remote Health Advisory System -- An Effective Approach for Plant Monitoring, Classification and Prediction Using IoT and Machine Learning -- Encrypted Transfer of Confidential Information Using Steganography and Identity Verification Using Face Data -- Intelligent Wireless Sensor Networks for Precision Agriculture -- Mining Of Removable Closed Patterns in Goods Dataset -- Comparative Analysis and Performance of D-STATCOM Device Using PI and Second Order Sliding Mode Control -- Stock Market Prediction Using Long Short Term Memory -- Dragonfly Algorithm for Optimal Allocation of D-STATCOM in Distribution Systems -- SRF Control Algorithm for Five Level Cascaded H-Bridge D-STATCOM in Single Phase Distribution System.

---

Sommario/riassunto

This book gathers selected papers presented at the 4th International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems, held at the SRM Institute of Science and Technology, Kattankulathur, Chennai, India, from 11 to 13 April 2019. It covers advances and recent developments in various computational intelligence techniques, with an emphasis on the design of communication systems. In addition, it shares valuable insights into advanced computational methodologies such as neural networks, fuzzy systems, evolutionary algorithms, hybrid intelligent systems, uncertain reasoning techniques, and other machine learning methods and their application to decision-making and problem-solving in mobile and wireless communication networks.

---