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Descrizione fisica	1 online resource (421 pages)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 1341
Disciplina	621.3
Soggetti	Computational intelligence Artificial intelligence Telecommunication Solid state physics Automatic control Computational Intelligence Artificial Intelligence Communications Engineering, Networks Electronic Devices Control and Systems Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes author index.
Nota di contenuto	Chapter 1. Improvement of QOS by Optimizing 2.4 GHZ RF Network Parameters for Oil Pipeline Management -- Chapter 2. Transient Stability Enhancement via Sliding Mode Control for Lower Order Triangular System -- Chapter 3. A Convolution Neural Networks and IoT based approach to Surveillance System -- Chapter 4. Prevent road accident using intelligent device -- Chapter 5. Choice of Suitable Height of Substrate in the Designing of Microstrip Antenna for X-band Communication -- Chapter 6. Comparative Analysis of Multislot Circular Patch Antenna -- Chapter 7. Active Power Curtailment in PV array under LVRT condition -- Chapter 8. Autonomous Tomato Harvester using Robotic Arm and Computer Vision -- Chapter 9. Impact of Inclination of Path Profiles on the Performance of Electric Vehicles --

Chapter 10. Segmentation of MRI Brain Images using Fuzzy C-means Clustering -- Chapter 11. Design of Environment Friendly FIR Filter and its Implementation on FPGA for Green Communication -- Chapter 12. Atomistic simulation studies of the mechanical and thermal properties of silver nanowires as interconnects for nanoelectronics applications -- Chapter 13. Mobility management scheme during offloading in mobile cloud computing -- Chapter 14. Multiuser detection for MIMO-OFDM system using binary spotted hyena optimizer in UWA communication -- Chapter 15. Estimation of Solar Radiation at farasan Island with Two-step ANN Concepts.

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#### Sommario/riassunto

This book focuses on the integration of intelligent communication systems, control systems and devices related to all aspects of engineering and sciences. It includes high-quality research papers from the 4th International Conference on Intelligent Communication, Control and Devices (ICICCD 2020), organized by the Department of Electronics, Instrumentation and Control Engineering at the University of Petroleum and Energy Studies, Dehradun, India during 27–28 November 2020. The topics covered are a range of recent advances in intelligent communication, intelligent control, and intelligent devices.

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