

1. Record Nr.	UNINA9910983339403321
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Titolo	Emerging Electronics and Automation : Select Proceedings of the 3rd International Conference, E2A 2023, Volume 1 // edited by Daniel-Ioan Stroe, Dr. Nasimuddin, Shahedul Haque Laskar, Shivendra Kumar Pandey
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819768028 9819768020
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (431 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1237
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Disciplina	629.8
Soggetti	Automatic control Robotics Automation Computer networks Signal processing Control, Robotics, Automation Computer Communication Networks Signal, Speech and Image Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	S Band Circularly Polarised Rectangular Dielectric Resonator Antenna for Sub-6GHz Frequency in Radar Applications -- A Comprehensive Review on Performance Analysis of 5G Antennas -- Security Challenges and solutions using Software Defined Networking in 5G Massive Machine type of communication-A Systematic Review -- P4 Language Based Load Aware Efficient Resource Utilization in Software Defined Networks -- Implementation of Derived Quadratic Boost Dual Input Converter for Automotive Application -- Optimizing Reliability of PV based Micro grid by Integrating Fuel Cell -- Secure communication in Vehicle to Grid networks: A study on Man in the middle attack

mitigation -- Comparative Analysis of PID and LQR Control for Autonomous Vehicle Platoons -- A Comparative Study on the Various Aging Laws Governing Lithium-Ion Capacitor Cycling Aging -- Structural and numerical analysis of Bladeless Wind turbine -- Demand Forecasting for Market Basket Analysis -- Deep Transfer Learning for Multiclass Dermatology Classification: A Comprehensive Study -- Impact Analysis of Electrode Placement for Cognitive Measurement using Intelligent Algorithms -- The Multi-Scale Wavelet Approach to Remove the Eyeblink Artifacts from EEG Signals.

Sommario/riassunto

This book contains peer-reviewed papers presented at the 3rd International Conference on Emerging Electronics & Automation (E2A) 2023. It aims to provide a compilation of the scientific exchanges that occurred during the conference at NIT Silchar, India. The proceedings cover the latest scientific endeavors and accomplishments in various emerging fields, including instrumentation, control, signal processing, communication, and related computational techniques. The book seeks to present the global audience with updates, novel findings, and solutions to challenging questions in the field, while inspiring aspiring scientists to engage in meaningful research. The field of instrumentation encompasses a wide range of disciplines, such as electronics, computation, automation, microelectronic technology, nanomaterials, and biomedical engineering applications. Hence, this publication is expected to appeal to a diverse audience within the scientific and engineering domains.
