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Altri autori (Persone)	AngueraJaume GhoshAnumoy ChowdaryP. Satish Rama
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Nota di contenuto	Optimal Placement of Electric Vehicle Charging Stations within the Distribution Network Utilising Two Distinct Algorithms -- Design & Implementation Of Efficient Full Adder & Vedic Multiplier Using FQR-Based GDI -- Dual-band Microstrip Antenna Operating at 28/38 GHz for WBAN Applications -- Numerical Design and Analysis of Graphene Based a-Si/c-Si HIT Solar Cells -- Low Power two stage CMOS OP-AMP design in 45nm technology node -- Leveraging Machine Learning Approaches to Analyze Biomechanical Features in Orthopedic Patients for Improved Diagnosis and Treatments -- Enhanced ENet-B0 algorithm for road classification and lane detection -- Quantum-Resistant Blockchain: Leveraging Post-Quantum Cryptography (PQC) to

Defend Against Quantum Supremacy -- Wealth Wiser – Building a Personal Finance Assistant Using LLaMA2 and QLoRA to support investors -- Optimizing Quality of Service in IoT Ecosystems: A Review of Adaptive Intelligence and Software Defined Networks for Efficient Task Offloading and Resource Allocation -- The Future of Education: How IoT Enhances Teaching and Learning -- Optimizing Urban Transportation: Advances in Traffic Control Technologies using Machine Learning -- Ambulance detection and traffic clearance -- Smart Shopping Trolleys Using RFID for Intelligent Automated Checkouts -- Comprehensive Time Series Analysis and Rice Crop Phenology Monitoring in Krishna District Using Google Earth Engine (2001–2023) -- Mathematical Modeling for Cross-Layer Optimization in IoT Multimedia Communication -- Enhancing Wireshark with Advanced Filtering and Traffic Classification for IDS Applications -- Content Based Recommendation Methodology -- Touchless Heartrate Detection using Photoplethysmography Technology -- Exploring Security, Trust, and Accountability Challenges in Google Cloud Platform: A Qualitative Study -- IoT-Based Convolutional Neural Network with Separable Layers for Accurate Brain Tumor Detection -- An IoT-Driven Machine Learning Model for Predictive Maintenance Classification in Industrial Systems -- Textile Based Wearable Antenna for the Detection of Harmful Gases -- Traffic Accidents Severity Analysis with Machine Learning -- ZeroTrace - A tailored Command and Control (C2) server for Penetration Testing -- Understanding Cognitive Biases in Security Decision Making and Proposing Effective Mitigation Strategies.

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#### Sommario/riassunto

The book discusses the latest developments and outlines future trends in the fields of microelectronics, electromagnetics, and telecommunication. It contains original research works presented at the International Conference on Microelectronics, Electromagnetics and Telecommunication (ICMEET 2024), organized by Department of Electronics and Communication Engineering, National Institute of Technology Mizoram, India, during 19–20 December 2024. The book is divided into four volumes, and it covers papers written by scientists, research scholars, and practitioners from leading universities, engineering colleges, and R&D institutes from all over the world and shares the latest breakthroughs in and promising solutions to the most important issues facing today's society.

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