

1. Record Nr.	UNINA9911022161603321
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Titolo	Paradigm Shifts in Communication, Embedded Systems, Machine Learning, and Signal Processing : Third International Conference, PCEMS 2024, Nagpur, India, November 11–12, 2024, Revised Selected Papers, Part II // edited by Deep Gupta, Vipin Kamble, Vishal Satpute, Ashwin Kothari
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031905773
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (602 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2491
Altri autori (Persone)	KambleVipin SatputeVishal KothariAshwin
Disciplina	004.6
Soggetti	Machine learning Artificial intelligence Computational intelligence Internet of things Wireless communication systems Mobile communication systems Machine Learning Artificial Intelligence Computational Intelligence Internet of Things Wireless and Mobile Communication
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Web-based Application for detection of Gingival Phenotype in Preventive Dentistry using Artificial Intelligence -- AutoBill: An Integrated AI-Powered Autonomous Checkout System -- Multiple Controls Wheelchair for Elderly People & Lower Limb Disabilities for Hilly Region -- Web-based Intelligent Chatbot for Depression Therapy -- Design of RAM cell using Quantum Dot Cellular Automata -- Voice

Controlled Wheelchair For Blind With Hearing Assistant -- An IoT Based
Soil Analysis for Smart Agriculture Using Machine Learning --
Multiband staircase shaped MIMO antenna for defence applications --
Design of a Fifth-Order Wideband Bandstop Filter Using Stepped
Impedance Resonators -- PERFORMANCE ANALYSIS OF 16 BIT RISC
PROCESSOR USING VEDIC MULTIPLIER -- All-optical XOR gate and Half
Adder implementation using SPM and SOA -- Design and Optimization
of a 6 GHz Circular Patch Antenna Using Machine Learning Algorithms
-- Design of Triple Band Ultrathin Polarization Con-trolled
Metamaterial Microwave Absorber with Multiple Resonating Structures
-- Permittivity evaluation based algorithm for detecting optimal
thickness range of composite materials at microwave frequencies --
Using Generative AI for Rapid Digital Prototyping of Industrial Design
Sketches and 3D Renders -- PID and LQR Based Control for Quadrotor
Landing on a Moving Platform -- Overhead Reduction in CSI Estimation
for RIS-Enabled MISO Wireless Communications -- Analyzing Centrality
Measures in Network Graphs: Algorithms, Applications, and Heuristics
-- Towards Safer Homes: AI-Driven Predictions for Domestic Violence
Against Women -- Design and Performance Analysis of MIMO VLC for
Vehicular Communication Systems -- Performance and Design Analysis
of Visible Light Communication Systems amidst Optical Background
Noise Utilizing Filtering Techniques -- UAV Assisted Secrecy Analysis
for Future Wireless Communication -- REAL TIME EARLY CURVE
ACCIDENT WARNING SYSTEM -- Activity Detection Based Performance
Analysis in Cell Free Massive MIMO System -- Application of OTFS
Modulation in Autonomous Vehicle Driving Systems for 6G Wireless
Communication -- Geophysical Monitoring System for Landslide-Prone
Areas Using OhmPi and ESP32 Integration -- A 2.4GHz PLL Design
Using a Source Switched Charge Pump and An Active Loop Filter --
Unraveling the Dynamics of Classical Chaotic Systems and Strange
Attractors: A Matlab-Based Exploration -- Power-Efficient URLLC with
RIS-aided Rate Splitting Multiple Access -- Data transmission over x-
pol and y-pol 1550 nm carrier for short reach optical fiber
communications -- An Approach for Extraction of Relevant Contextual
Information from Exercise Logs using Large Language Models -- A New
MIMO Antenna with High Gain for 5G mm-Wave Application -- Dual-
Band Antenna for Seamless 900 MHz and 2.4 GHz Connectivity --
Metaheuristic Optimization for 3D UAV Placement -- Multi-Feature
Reinforcement Learning for Financial Market Decision Making.

Sommario/riassunto

This two-volume set CCIS 2490-2491 constitutes the refereed proceedings of the Third International Conference on Paradigm Shifts in Communication, Embedded Systems, Machine Learning, and Signal Processing, PCEMS 2024, held in Nagpur, India, during November 11–12, 2024. The 73 full papers and 17 short papers presented in this volume were carefully reviewed and selected from 330 submissions. The papers present recent research in the areas of communication, antenna, computer vision, medical image analysis, deep learning, AI based systems and applications, classification problem, embedded system and IoT, etc.
