

1. Record Nr.	UNINA9910983063903321
Autore	Kumar Adesh
Titolo	Intelligent Communication, Control and Devices : Proceedings of ICICCD 2024 // edited by Adesh Kumar, Rupendra Kumar Pachauri, Ranjan Mishra, Piyush Kuchhal
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819783298 9819783291
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (1045 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1164
Altri autori (Persone)	PachauriRupendra Kumar MishraRanjan KuchhalPiyush
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Optoelectronic devices Automatic control Robotics Automation Computational Intelligence Artificial Intelligence Optoelectronic Devices Control, Robotics, Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Design of Compact Dual-Band Antenna with Single-Layered AMC for Wearable Devices -- Virtual Health Assistance using Medical Computer Vision -- Treatment of Mood Swings Using AI -- Advancing Lung Cancer Detection with YOLO NAS: A Novel Approach for Enhanced Diagnostic Accuracy -- Optimized Grid Integration of Solar PV and EVs: A Dynamic State-based Energy Management Strategy -- Multiple Intrusion Detection in Complex Cloud Environments Using Random Forest and Deep Learning on the UNSW-NB15 Benchmark Datasets -- Real Time Power Estimation and Monitoring of an IoT Node Using MQTT

-- Exploring MIMO-NOMA: Enhancing Multi-User Communication with Power Allocation -- A Framework Utilizing Deep Learning for Detecting Multiple Cancers in Medical Imaging -- Revolutionizing Medical Applications: IOT-based IVF Monitoring -- AI Virtual Mouse: Revolutionizing Human Computer Interaction -- A Wideband Monolayered Graphene-Based Microstrip Patch Antenna for THz-Frequency Applications -- A Monolayered Graphene-Based Microstrip Patch Antenna for Optimal Performance in the Mid-THz Band -- Kinematic Analysis and Modeling of the Gait by Parametrization of the Body Trajectories of 18 Degree of Freedom Hexapod Robots using Reinforcement Learning -- Modernized Ration Distribution System with Integrated Mobile Accessibility -- Multiple Device-Based Geo-Position Spoofing Detection in Instant Messaging Platform with Residual Noise Extraction using DRN -- Compact Circular Patch Grid Array Antenna for Medical Imaging Applications -- Driver Drowsiness Detection System: An Integrated Vision-Based Approach -- Development of Bit synchronizer for Remote Sensing Satellite Data -- Design And Optimization of Compact Wideband Yagi-Uda Antenna for V2V Communication -- Advancing Object Discovery: Unveiling the Power of YOLO in Computer Vision Applications -- Ambulance Precedence Integrated Traffic Management System -- Performance Analysis of Crossbar in NOC through Booksim Simulator -- A Table Lamp Shaped Compact Tri-Band Antenna for Various Wireless Technologies -- Optimizing Agricultural Health: Early Detection and Classification of Crop Diseases through Hyperspectral Imaging and Convolutional Neural Networks -- A comprehensive Analysis of ABE Access Control Mechanisms in Cloud Environment -- Stock Forecasting Using LSTM Neural Networks -- Feature Extraction and Machine Learning in Plant Disease Detection: A Survey -- Emerging Paradigms in Intelligent Query-Dependent Video Summarization: A Comprehensive Review -- Design of a 402-405 MHz Implantable Monopole Antenna at Medical Implant Communication Band for Bio-Telemetry Applications -- Real time Health Monitoring System by integrating Augmented Reality and Internet of Things -- Automatic Facial Makeup Detection for Device Security Using Machine Learning -- Early Disease Prediction in Women using Artificial Intelligence -- A Security Model for the Enhancement of Mobile Security -- Analysis of YOLO v5 for detection of multiple defects in PCB -- Structural enhancements and challenges from FINFET to 2D material based GAANSFET: A Review -- A Review of Deep Learning Techniques for Early Detection and Categorization of Lung Cancer -- Design and Analysis of Compact UWB Circular Ring Planar Antenna for mmWave FR-II NR Bands n259, n262, n263 (V-Band) and n260 (Ka-Band) for 5G Applications -- Handwritten Character Recognition with Convolution Neural Network -- Design and Analysis of a Compact Microstrip Antenna for WBAN Applications -- A Comprehensive Survey of Methods for Identifying Counterfeit Banknotes using Image Processing and Machine Learning -- Soil Moisture Prediction Analysis for Intelligent and Efficiency Control -- AI-Enabled Program Management System for BTFEC -- A Review of Image segmentation with Language Models for visual impairments -- Leveraging Blockchain Technology for Secure and Efficient Smart City Applications -- Research on AI Driven Advanced Solution for Plant Leaf Disease Detection -- Aperture Coupled Feed Patch Antenna For 5G Application -- Simulation Based Analysis of Ultra-Wideband, High Efficiency Monopole Antenna High Efficiency Monopole Antenna Using Frequency Selective Surfaces as a Reflector for Sub 6 GHz Band Applications -- NLP Comparative Analysis of Different Models for Sarcastic and Non-Sarcastic Text Detection -- Design of a Wideband Metamaterial Inspired Microwave

Absorber Implementing Anti-Symmetric Geometries -- Transfer Learning-Based Fault Classification Methods for Solar Photovoltaic Modules -- A Circular Patch Wideband Antenna Design for IoT Applications in New Radio Bands: Enhancing Connectivity and Versatility -- Performance Analysis of Machine Learning Algorithms for Optimize Rainfall Prediction -- Soft Computing and Machine Learning application on Water Quality Prognostication -- Computer-Vision based Weed Killing Rover -- Transfer Learning for Enhancing Computer Vision -- Sign Language Transformation: AI-Enabled Communication for the Deaf -- Integrated Agricultural Decision Support System Leveraging Random Forest for Crop Prediction and Efficient Net B0 for Disease Prediction -- Person Re-Identification with CNN ResNet Spatial Temporal Stream -- Area and Power Estimation of Comparator Block for FPGAs -- Utilizing Convolutional Neural Networks for the Detection of Early-Stage Leaf Diseases in Potato Crops -- Literature Survey on Chatbot: Tools and Techniques -- Genetic Algorithm Optimization based PID Tuning for Basis Weight Control for Spatial Distributed System -- Smart Transportation Using Internet of Things (IoT) -- Study of Different Types of Controllers on the Boost Converter -- Challenges and solutions towards Classification of Brain Tumour in MRI Images Implementing Capsule Network Model: A Short Review -- 3D printed solar cell: A short review -- Intelligent Hand Gesture Recognition using a Multichannel Surface Electromyography -- Frequency Coded Waveforms for Closely Spaced Target Detection -- IoT based wireless electric vehicle charging station -- Solar and Wind Based Charging System for Electric Vehicles.

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 6th International Conference on Intelligent Communication, Control and Devices (ICICCD 2024), organized by the Department of Electrical & Electronics Engineering, School of Advanced Engineering, at UPES, Dehradun, India, during May 30–31, 2024. The topics covered are a range of recent advances in intelligent communication, intelligent control, intelligent devices, and sustainable technologies.
