1. Record Nr.   UNINA9910983030503321

   Titolo   Machine Vision and Augmented Intelligence : Select Proceedings of MAI 2023 / / edited by Koushlendra Kumar Singh, Sangeeta Singh, Subodh Srivastava, Manish Kumar Bajpai

   Pubbl/distr/stampa Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025

   ISBN   9789819743599
                       9819743591

   Edizione   [1st ed. 2025.]

   Descrizione fisica 1 online resource (875 pages)

   Collana   Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1211

   Disciplina   006.3

   Soggetti   User interfaces (Computer systems)
                       Human-computer interaction
                       Computer vision
                       Computer networks
                       User Interfaces and Human Computer Interaction
                       Computer Vision
                       Computer Communication Networks

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di bibliografia   Includes bibliographical references.

   Nota di contenuto   Chapter 1:Ultra-Energy Efficient Reliable and Robust DLJLFET Based-PUF for IoT Devices -- Chapter 2:Dopingless JLFET Based 8TSRAM Cell Design for Enhanced Performance and Stability -- Chapter 3: Survey on robustness of deep learning techniques on adversarial attacks in WBAN -- Chapter 4: Synergizing Collaborative and Content-Based Filtering for Enhanced Movie Recommendations -- Chapter 5:Exploring Transformer-Based Approaches for Hyperspectral Image Classification: A Comparative Analysis -- Chapter 7:Deep Learning for Cognitive Task and Seizure Classification with Hilbert-Huang Transform and Variational Mode Decomposition.-Chapter 8:Tracking of Ship and Plane in Satellite Videos Using A Convolutional Regression Network with Deep Features.-Chapter 9:Tumor Detection and Analysis from Brain MRI Images Using Deep Learning.-Chapter 10:Software Maintenance Prediction Using Stack Ensemble Deep Learning Algorithms -- Chapter 11:Resource Allocation in 6G network for High-Speed Train using D2D

Outband Communication -- Chapter 12:Controlling the Band-to-band Tunneling Effect in Charge Plasma Based Dopingless Transistor -- Chapter 13:Comparison of Different CIC filter architectures on the basis of a novel parameter called Noise Factor for Sigma-Delta based ADCs -- Chapter 14:The Scientific Analysis on Effective Yoga Posture Recognition Techniques -- Chapter 15:Impact of Gamma Rays on Emerging Devices for Photonic Applications -- Chapter 16:Shaft Rotation Monitoring Using Radar Signal Processing and Wavelet Transform -- Chapter 17:Slow-wave Structure Based on Inter-digital Capacitor and Its Application to Miniaturization of Gysel Power Divider -- Chapter 18:Noise Estimation and Removal in Fundus Images using Pyramid Real Image Denoising Network -- Chapter 19:Evaluation of Hybrid Encryption Method to Secure Healthcare Data.-Chapter 20: Multimodal Face Recognition System using Hybrid Deep Learning Feature.

Sommario/riassunto	This book comprises the proceedings of the International Conference on Machine Vision and Augmented Intelligence (MAI 2023). The conference proceedings encapsulate the best deliberations held during the conference. The diversity of participants in the event from academia, industry, and research reflects in the articles appearing in the volume. The book theme encompasses all industrial and non-industrial applications in which a combination of hardware and software provides operational guidance to devices in the execution of their functions based on the capture and processing of images. This book covers a wide range of topics such as modeling of disease transformation, epidemic forecast, COVID-19, image processing and computer vision, augmented intelligence, soft computing, deep learning, image reconstruction, artificial intelligence in healthcare, brain-computer interface, cybersecurity, and social network analysis, natural language processing, etc.