

1. Record Nr.	UNINA9910983051703321
Titolo	Proceedings of IEMTRONICS 2024 : International IoT, Electronics and Mechatronics Conference, Volume 1 // edited by Phillip G. Bradford, S. Andrew Gadsden, Shibani K. Koul, Kamakhya Prasad Ghatak
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819747801 9819747805
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XIX, 509 p. 367 illus., 312 illus. in color.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1229
Disciplina	004.678
Soggetti	Internet of things Telecommunication Electric power production Internet of Things Communications Engineering, Networks Electrical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Fast software implementation of Edwards curves cryptography for IOT secure communication purposes -- Chapter 2: Lunar Robotics Evolution and Innovative Design -- Chapter 3: Synthetic Datasets for Hand Gesture Recognition -- Chapter 4: Optimizing k-Nearest Neighbor for Color Detection -- Chapter 5: Development and Evaluation of LPWAN-Based Flood Monitoring and Warning System: Assessing Communication Range, Signal Quality, and Alert MechanismsHeart -- Chapter 6: Rate Measurement Using Face Recognition Techniques and SensorsAnalysis of fatigue characteristics in muscle groups using the FreeEMG 1000 -- Chapter 7: Optimizing Task Handling in Mobile Edge Computing: A Dynamic Load Balancing Model with Intermediate Coordination Node and Nearest Neighbor Integration -- Chapter 8: Review Paper on the Use Cases & Types of Virtual Reality -- Chapter 9: Fault Tolerant Routing in IoT based on WBANReview on Ultra wide Band Multi- Input and Multi-Output Antennas with Notched Band Characteristics.

This book gathers selected research papers presented at IEMTRONICS 2024 (International IoT, Electronics and Mechatronics Conference), held during 3–5 April 2024 in London, United Kingdom in hybrid mode. This book presents a collection of state-of-the-art research work involving cutting-edge technologies in the field of IoT, electronics mechatronics, and related areas. The work is presented in two volumes.
