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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.

## Sommario/riassunto

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.

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