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   Soggetti   Internet of things
                      Measurement
                      Measuring instruments
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                      Internet of Things
                      Measurement Science and Instrumentation
                      Microwaves, RF Engineering and Optical Communications

   Lingua di pubblicazione Inglese

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   Livello bibliografico Monografia

   Nota di bibliografia Includes bibliographical references.

   Nota di contenuto Smart Home Door Lock Alarm System -- Development of an IoT-Smart
                      Parking Mall Sensor Using Blynk and ThingSpeak -- Development of a
                      Smart Travellator using Blynk and ThingSpeak for Monitoring Customer'
                      s Temperature -- Development of Smart Agriculture (Smart
                      Hydroponic) to Monitor Soil Humidity Level -- Earthquake Monitoring
                      and Detection using the Internet of Things as Communication Protocol
                      -- Development of a Malaysian Plate Number Recognition System for
                      Parking Violation -- Smart Recycle Bin Prototype using Convolutional
                      Neural Network for Trash Classification -- On Optimization of Selective
                      Mapping and Clipping Hybrid Scheme Using Firefly Algorithm for PAPR
                      Reduction -- Embedded RFID System: OKU Smart Card Detector --
                      Quality Improvement of Small Form-Factor Pluggable (SFP) Units
                      Assembly using Robotic Automated System -- An Energy-Efficient
                      Clustering Protocol for the Lifetime Elongation of Wireless Sensors in
                      IoT Networks -- Smart Vending Machine for B40 Student.

   Sommario/riassunto The Internet of Things (IoT) has emerged as a new paradigm that
                      connects the physical world with the digital world. It is a network of

interconnected devices, sensors, and objects that can communicate with each other, collect and exchange data, and perform various tasks without human intervention. The IoT has the potential to revolutionize various industries, such as healthcare, transportation, manufacturing, and agriculture, by enabling real-time monitoring, automation, and optimization of processes. This book is a collection of research manuscripts that explores the latest developments in smart technologies for sustainable living with reference to the IoT landscape, including its architecture, applications and challenges. The research covers a wide range of topics including character segmentation, recognition and classification, deep learning, smart home, earthquake early-warning system, wireless sensor network, embedded RFID system and many more. It also discusses various IoT platforms, protocols, and standards that are being developed to enable seamless integration and interoperability of IoT devices and services. The research book aims to become a valuable resource for researchers, practitioners, and policymakers interested in smart technologies and sustainable living.