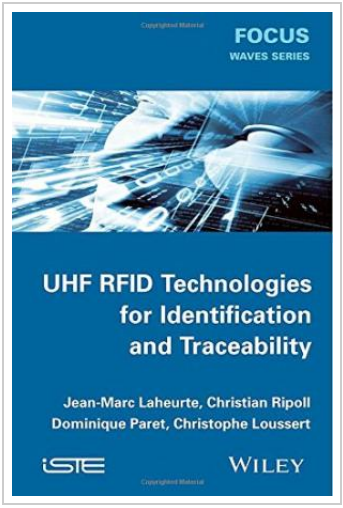

UHF RFID Technologies for Identification and Traceability

By Jean-Marc Laheurte, Christian Ripoll, Dominique Paret, Christophe Loussert

ISTE Ltd and John Wiley & Sons Inc. Hardback. Book Condition: new. BRAND NEW, UHF RFID Technologies for Identification and Traceability, Jean-Marc Laheurte, Christian Ripoll, Dominique Paret, Christophe Loussert, UHF Radio Frequency Identification (RFID) is an electronic tagging technology that allows an object, place or person to be automatically identified at a distance without a direct line-of-sight using a radio wave exchange. Applications include inventory tracking, prescription medication tracking and authentication, secure automobile keys, and access control for secure facilities. This book begins with an overview of UHF RFID challenges describing the applications, markets, trades and basic technologies. It follows this by highlighting the main features distinguishing UHF (860MHz-960MHz) and HF (125 kHz and 13.56 MHz) identifications, in terms of reading range, environmental sensitivity, throughput and safety. The architecture of the integrated circuits and the organization of the memory are then described. One chapter is devoted to the air interface protocol aspects, including coding, modulation, multi readers operation and anti-collision algorithms to manage the tag responses. Focus will be put upon the EPC Gen2 protocol adopted in the ISO 18000 Part 6. The core of the book will cover the design and manufacturing issues of RFID tags. The influence of...

Reviews

Complete guide! Its this kind of very good read through. I really could comprehended almost everything out of this written e publication. Your lifestyle span is going to be transform the instant you complete looking over this book.

-- ***Reilly Keebler IV***

The book is straightforward in go through easier to recognize. it was actually writtern extremely perfectly and useful. I am very happy to explain how this is actually the greatest publication i have read through within my individual life and might be he finest ebook for actually.

-- ***Gladys Conroy***