RFID Systems: Research Trends and Challenges

From Wiley

RFID Systems: Research Trends and Challenges From Wiley

This book provides an insight into the 'hot' field of Radio Frequency Identification (RFID) Systems

In this book, the authors provide an insight into the field of RFID systems with an emphasis on networking aspects and research challenges related to passive Ultra High Frequency (UHF) RFID systems. The book reviews various algorithms, protocols and design solutions that have been developed within the area, including most recent advances. In addition, authors cover a wide range of recognized problems in RFID industry, striking a balance between theoretical and practical coverage. Limitations of the technology and state-of-the-art solutions are identified and new research opportunities are addressed. Finally, the book is authored by experts and respected researchers in the field and every chapter is peer reviewed.

Key Features:

- Provides the most comprehensive analysis of networking aspects of RFID systems, including tag identification protocols and reader anti-collision algorithms
- Covers in detail major research problems of passive UHF systems such as improving reading accuracy, reading range and throughput
- Analyzes other "hot topics" including localization of passive RFID tags, energy harvesting, simulator and emulator design, security and privacy
- Discusses design of tag antennas, tag and reader circuits for passive UHF RFID systems
- Presents EPCGlobal architecture framework, middleware and protocols
- Includes an accompanying website with PowerPoint slides and solutions to the problems http://www.site.uottawa.ca/~mbolic/RFIDBook/

This book will be an invaluable guide for researchers and graduate students in electrical engineering and computer science, and researchers and developers in telecommunication industry.

RFID Systems: Research Trends and Challenges

From Wiley

RFID Systems: Research Trends and Challenges From Wiley

This book provides an insight into the 'hot' field of Radio Frequency Identification (RFID) Systems

In this book, the authors provide an insight into the field of RFID systems with an emphasis on networking aspects and research challenges related to passive Ultra High Frequency (UHF) RFID systems. The book reviews various algorithms, protocols and design solutions that have been developed within the area, including most recent advances. In addition, authors cover a wide range of recognized problems in RFID industry, striking a balance between theoretical and practical coverage. Limitations of the technology and state-of-the-art solutions are identified and new research opportunities are addressed. Finally, the book is authored by experts and respected researchers in the field and every chapter is peer reviewed.

Key Features:

- Provides the most comprehensive analysis of networking aspects of RFID systems, including tag identification protocols and reader anti-collision algorithms
- Covers in detail major research problems of passive UHF systems such as improving reading accuracy, reading range and throughput
- Analyzes other "hot topics" including localization of passive RFID tags, energy harvesting, simulator and emulator design, security and privacy
- Discusses design of tag antennas, tag and reader circuits for passive UHF RFID systems
- Presents EPCGlobal architecture framework, middleware and protocols
- Includes an accompanying website with PowerPoint slides and solutions to the problems http://www.site.uottawa.ca/~mbolic/RFIDBook/

This book will be an invaluable guide for researchers and graduate students in electrical engineering and computer science, and researchers and developers in telecommunication industry.

RFID Systems: Research Trends and Challenges From Wiley Bibliography

- Sales Rank: #4445667 in Books
- Published on: 2010-08-30
- Original language: English
- Number of items: 1
- Dimensions: 9.92" h x 1.44" w x 6.90" l, 2.45 pounds
- Binding: Hardcover
- 576 pages

⬇ **Download** RFID Systems: Research Trends and Challenges ...pdf

📄 **Read Online** RFID Systems: Research Trends and Challenges ...pdf

Editorial Review

From the Back Cover
This book provides an insight into the 'hot' field of Radio Frequency Identification (RFID) Systems

In this book, the authors provide an insight into the field of RFID systems with an emphasis on networking aspects and research challenges related to passive Ultra High Frequency (UHF) RFID systems. The book reviews various algorithms, protocols and design solutions that have been developed within the area, including most recent advances. In addition, authors cover a wide range of recognized problems in RFID industry, striking a balance between theoretical and practical coverage. Limitations of the technology and state-of-the-art solutions are identified and new research opportunities are addressed. Finally, the book is authored by experts and respected researchers in the field and every chapter is peer reviewed.

Key Features:

- Provides the most comprehensive analysis of networking aspects of RFID systems, including tag identification protocols and reader anti-collision algorithms
- Covers in detail major research problems of passive UHF systems such as improving reading accuracy, reading range and throughput
- Analyzes other "hot topics" including localization of passive RFID tags, energy harvesting, simulator and emulator design, security and privacy
- Discusses design of tag antennas, tag and reader circuits for passive UHF RFID systems
- Presents EPCGlobal architecture framework, middleware and protocols
- Includes an accompanying website with PowerPoint slides and solutions to the problems (http://www.site.uottawa.ca/~mbolic/RFIDBook/)

This book will be an invaluable guide for researchers and graduate students in electrical engineering and computer science, and researchers and developers in telecommunication industry.

Users Review

From reader reviews:

Phyllis Peters:

In this 21st millennium, people become competitive in every way. By being competitive today, people have do something to make these survives, being in the middle of the actual crowded place and notice by means of surrounding. One thing that occasionally many people have underestimated the item for a while is reading. Yes, by reading a guide your ability to survive raise then having chance to endure than other is high. For you who want to start reading any book, we give you this specific RFID Systems: Research Trends and Challenges book as starter and daily reading reserve. Why, because this book is usually more than just a book.

Shannon Silva:

Do you really one of the book lovers? If so, do you ever feeling doubt when you are in the book store? Make an effort to pick one book that you never know the inside because don't determine book by its include may doesn't work at this point is difficult job because you are frightened that the inside maybe not as fantastic as in the outside seem likes. Maybe you answer can be RFID Systems: Research Trends and Challenges why because the wonderful cover that make you consider with regards to the content will not disappoint you. The inside or content is fantastic as the outside or maybe cover. Your reading sixth sense will directly guide you to pick up this book.

Estelle Hicks:

This RFID Systems: Research Trends and Challenges is great reserve for you because the content and that is full of information for you who also always deal with world and still have to make decision every minute. That book reveal it info accurately using great arrange word or we can point out no rambling sentences inside it. So if you are read the item hurriedly you can have whole data in it. Doesn't mean it only provides you with straight forward sentences but tricky core information with splendid delivering sentences. Having RFID Systems: Research Trends and Challenges in your hand like getting the world in your arm, info in it is not ridiculous one particular. We can say that no publication that offer you world throughout ten or fifteen moment right but this reserve already do that. So , this really is good reading book. Hey there Mr. and Mrs. hectic do you still doubt this?

Ronald Peyton:

That guide can make you to feel relax. That book RFID Systems: Research Trends and Challenges was vibrant and of course has pictures on there. As we know that book RFID Systems: Research Trends and Challenges has many kinds or style. Start from kids until adolescents. For example Naruto or Investigator Conan you can read and feel that you are the character on there. Therefore , not at all of book are generally make you bored, any it can make you feel happy, fun and unwind. Try to choose the best book to suit your needs and try to like reading which.

Download and Read Online RFID Systems: Research Trends and Challenges From Wiley #QLR3EKN4TG2

Read RFID Systems: Research Trends and Challenges From Wiley for online ebook

RFID Systems: Research Trends and Challenges From Wiley Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read RFID Systems: Research Trends and Challenges From Wiley books to read online.

Online RFID Systems: Research Trends and Challenges From Wiley ebook PDF download

RFID Systems: Research Trends and Challenges From Wiley Doc

RFID Systems: Research Trends and Challenges From Wiley Mobipocket

RFID Systems: Research Trends and Challenges From Wiley EPub

QLR3EKN4TG2: RFID Systems: Research Trends and Challenges From Wiley