



Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments

Fei Hu, Sunil Kumar

Download now

[Click here](#) if your download doesn't start automatically

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments

Fei Hu, Sunil Kumar

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments Fei Hu, Sunil Kumar

With nearly 7 billion mobile phone subscriptions worldwide, mobility and computing have become pervasive in our society and business. Moreover, new mobile multimedia communication services are challenging telecommunication operators. To support the significant increase in multimedia traffic?especially video?over wireless networks, new technological infrastructure must be created. Cognitive Radio Networks (CRNs) are widely regarded as one of the most promising technologies for future wireless communications. This book explains how to efficiently deliver video, audio, and other data over CRNs.

Covering advanced algorithms, protocols, and hardware-/software-based experiments, this book describes how to encode video in a prioritized way to send to dynamic radio links. It discusses different FEC codes for video reliability and explains how different machine learning algorithms can be used for video quality control. It also explains how to use readily available software tools to build a CRN simulation model.

This book explains both theoretical and experimental designs. It describes how universal software radio peripheral (USRP) boards can be used for real-time, high-resolution video transmission. It also discusses how a USRP board can sense the spectrum dynamics and how it can be controlled by GNU Radio software. A separate chapter discusses how the network simulator ns-2 can be used to build a simulated CRN platform.

 [Download Multimedia over Cognitive Radio Networks: Algorith ...pdf](#)

 [Read Online Multimedia over Cognitive Radio Networks: Algori ...pdf](#)

Download and Read Free Online Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments Fei Hu, Sunil Kumar

From reader reviews:

Jaime Worm:

This Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you receive by reading this book is usually information inside this book incredible fresh, you will get info which is getting deeper an individual read a lot of information you will get. That Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments without we realize teach the one who looking at it become critical in contemplating and analyzing. Don't always be worry Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments can bring when you are and not make your tote space or bookshelves' turn out to be full because you can have it in your lovely laptop even cellphone. This Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments having good arrangement in word and also layout, so you will not truly feel uninterested in reading.

Jaelyn Utecht:

The ability that you get from Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments is the more deep you looking the information that hide into the words the more you get interested in reading it. It doesn't mean that this book is hard to know but Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments giving you buzz feeling of reading. The writer conveys their point in particular way that can be understood through anyone who read this because the author of this publication is well-known enough. This particular book also makes your own vocabulary increase well. Therefore it is easy to understand then can go along, both in printed or e-book style are available. We advise you for having that Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments instantly.

Donna Young:

Information is provisions for those to get better life, information these days can get by anyone at everywhere. The information can be a understanding or any news even a huge concern. What people must be consider whenever those information which is within the former life are challenging be find than now could be taking seriously which one is acceptable to believe or which one the resource are convinced. If you receive the unstable resource then you buy it as your main information it will have huge disadvantage for you. All those possibilities will not happen throughout you if you take Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments as your daily resource information.

Kelly Cruz:

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments can be one of your beginner books that are good idea. Many of us recommend that straight away because this book has good vocabulary which could increase your knowledge in terminology, easy to understand, bit entertaining but

nevertheless delivering the information. The author giving his/her effort to set every word into satisfaction arrangement in writing Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments although doesn't forget the main position, giving the reader the hottest as well as based confirm resource info that maybe you can be one among it. This great information can drawn you into brand new stage of crucial considering.

Download and Read Online Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments Fei Hu, Sunil Kumar #71IN6DQMTUL

Read Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar for online ebook

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar 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 Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar books to read online.

Online Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar ebook PDF download

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar Doc

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar Mobipocket

Multimedia over Cognitive Radio Networks: Algorithms, Protocols, and Experiments by Fei Hu, Sunil Kumar EPub