



Opportunistic Spectrum Sharing and White Space Access: The Practical Reality

Oliver Holland, Hanna Bogucka, Arturas Medeisis

Download now

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

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality

Oliver Holland, Hanna Bogucka, Arturas Medeisis

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality Oliver Holland, Hanna Bogucka, Arturas Medeisis

Details the paradigms of opportunistic spectrum sharing and white space access as effective means to satisfy increasing demand for high-speed wireless communication and for novel wireless communication applications

This book addresses opportunistic spectrum sharing and white space access, being particularly mindful of practical considerations and solutions. In Part I, spectrum sharing implementation issues are considered in terms of hardware platforms and software architectures for realization of flexible and spectrally agile transceivers. Part II addresses practical mechanisms supporting spectrum sharing, including spectrum sensing for opportunistic spectrum access, machine learning and decision making capabilities, aggregation of spectrum opportunities, and spectrally-agile radio waveforms.

Part III presents the ongoing work on policy and regulation for efficient and reliable spectrum sharing, including major recent steps forward in TV White Space (TVWS) regulation and associated geolocation database approaches, policy management aspects, and novel licensing schemes supporting spectrum sharing. In Part IV, business and economic aspects of spectrum sharing are considered, including spectrum value modeling, discussion of issues around disruptive innovation that are pertinent to opportunistic spectrum sharing and white space access, and business benefits assessment of the novel spectrum sharing regulatory proposal Licensed Shared Access. Part V discusses deployments of opportunistic spectrum sharing and white space access solutions in practice, including work on TVWS system implementations, standardization activities, and development and testing of systems according to the standards.

- Discusses aspects of pioneering standards such as the IEEE 802.22 “Wi-Far” standard, the IEEE 802.11af “White-Fi” standard, the IEEE Dynamic Spectrum Access Networks Standards Committee standards, and the ETSI Reconfiguration Radio Systems standards
- Investigates regulatory and regulatory-linked solutions assisting opportunistic spectrum sharing and white space access, including geo-location database approaches and licensing enhancements
- Covers the pricing and value of spectrum, the economic effects and potentials of such technologies, and provides detailed business assessments of some particularly innovative regulatory proposals

The flexible and efficient use of radio frequencies is necessary to cater for the increasing data traffic demand worldwide. This book addresses this necessity through its extensive coverage of opportunistic spectrum sharing and white space access solutions.

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality is a great resource for telecommunication engineers, researchers, and students.

 [Download Opportunistic Spectrum Sharing and White Space Acc ...pdf](#)

 [Read Online Opportunistic Spectrum Sharing and White Space A ...pdf](#)

Download and Read Free Online Opportunistic Spectrum Sharing and White Space Access: The Practical Reality Oliver Holland, Hanna Bogucka, Arturas Medeisis

From reader reviews:

Patrina Eaton:

Book is written, printed, or created for everything. You can know everything you want by a guide. Book has a different type. To be sure that book is important matter to bring us around the world. Next to that you can your reading proficiency was fluently. A reserve Opportunistic Spectrum Sharing and White Space Access: The Practical Reality will make you to be smarter. You can feel much more confidence if you can know about almost everything. But some of you think this open or reading a new book make you bored. It is far from make you fun. Why they may be thought like that? Have you seeking best book or appropriate book with you?

Gary Lewis:

This Opportunistic Spectrum Sharing and White Space Access: The Practical Reality book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book is usually information inside this book incredible fresh, you will get details which is getting deeper anyone read a lot of information you will get. This kind of Opportunistic Spectrum Sharing and White Space Access: The Practical Reality without we understand teach the one who examining it become critical in thinking and analyzing. Don't become worry Opportunistic Spectrum Sharing and White Space Access: The Practical Reality can bring whenever you are and not make your tote space or bookshelves' turn into full because you can have it in your lovely laptop even mobile phone. This Opportunistic Spectrum Sharing and White Space Access: The Practical Reality having good arrangement in word and layout, so you will not truly feel uninterested in reading.

Joy Carlson:

Are you kind of stressful person, only have 10 or 15 minute in your morning to upgrading your mind expertise or thinking skill even analytical thinking? Then you are experiencing problem with the book than can satisfy your limited time to read it because this all time you only find guide that need more time to be study. Opportunistic Spectrum Sharing and White Space Access: The Practical Reality can be your answer mainly because it can be read by an individual who have those short time problems.

Dona Henry:

Reading a book to be new life style in this 12 months; every people loves to go through a book. When you go through a book you can get a wide range of benefit. When you read guides, you can improve your knowledge, simply because book has a lot of information upon it. The information that you will get depend on what sorts of book that you have read. If you would like get information about your study, you can read education books, but if you act like you want to entertain yourself you are able to a fiction books, these us novel, comics, as well as soon. The Opportunistic Spectrum Sharing and White Space Access: The Practical Reality provide you with a new experience in examining a book.

Download and Read Online Opportunistic Spectrum Sharing and White Space Access: The Practical Reality Oliver Holland, Hanna Bogucka, Arturas Medeisis #O7AFZC1N6PG

Read Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis for online ebook

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis 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 Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis books to read online.

Online Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis ebook PDF download

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis Doc

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis Mobipocket

Opportunistic Spectrum Sharing and White Space Access: The Practical Reality by Oliver Holland, Hanna Bogucka, Arturas Medeisis EPub