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| ISBN | 9786612123320 9781282123328 1282123327 9780470742020 047074202X 9780470742013 0470742011 |
| Descrizione fisica | 1 online resource (373 p.) |
| Altri autori (Persone) | PrasadRamjee |
| Disciplina | 621.39/81 |
| Soggetti | Cognitive radio networks Computer networks |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Wireless communications -- Software defined radio -- Wireless networks -- Cooperative communications and networks -- Cognitive radio communications -- Cognitive radio networks -- Spectrum sensing -- Medium access control -- Network layer design -- Trusted cognitive radio networks -- Spectrum management of cognitive radio networks. |
| Sommario/riassunto | Giving a basic overview of the technologies supporting cognitive radio this introductory-level text follows a logical approach, starting with the physical layer and concluding with applications and general issues. It provides a background to advances in the field of cognitive radios and a new exploration of how these radios can work together as a network. Cognitive Radio Networks starts with an introduction to the fundamentals of wireless communications, introducing technologies such as OFDM & MIMO. It moves onto cover software defined radio and explores and contrasts wireless, cooperative and cognitive networks and communications. Spectrum sensing, medium access control and |

network layer design are examined before the book concludes by covering the topics of trusted cognitive radio networks and spectrum management. Unique in providing a brief but clear tutorial and reference to cognitive radio networks this book is a single reference, written at the appropriate level for newcomers as well as providing an encompassing text for those with more knowledge of the subject. <ul type="disc">. One of the first books to provide a systematic description of cognitive radio networks. Provides pervasive background knowledge including both wireless communications and wireless networks. Written by leading experts in the field. Full network stack investigation.
