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Titolo	Cognitive Wireless Networks Using the CSS Technology // by Meiling Li, Anhong Wang, Jeng-Shyang Pan
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Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (168 p.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 384
Disciplina	620
Soggetti	Electrical engineering Application software Signal processing Image processing Speech processing systems Communications Engineering, Networks Information Systems Applications (incl. Internet) Signal, Image and Speech Processing
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.
Nota di contenuto	Introduction -- CSS Technology -- The Relationship Among the Performance Parameters in CSS -- The Censoring Based CSS -- CSS Technology With Relay -- CSS Based on Soft Combination -- The SS Application in ICIC.
Sommario/riassunto	The aim of this book is to provide some useful methods to improve the spectrum sensing performance in a systematic way, and point out an effective method for the application of cognitive radio technology in wireless communications. The book gives a state-of-the-art survey and proposes some new cooperative spectrum sensing (CSS) methods attempting to achieve better performance. For each CSS, the main idea and corresponding algorithm design are elaborated in detail. This book covers the fundamental concepts and the core technologies of CSS, especially its latest developments. Each chapter is presented in a self-sufficient and independent way so that the reader can select the chapters interesting to them. The methodologies are described in detail

so that the readers can repeat the corresponding experiments easily. It will be a useful book for researchers helping them to understand the classifications of CSS, inspiring new ideas about the novel CSS technology for CR, and learning new ideas from the current status of CSS. For engineers, it will be a good guidebook to develop practical applications for CSS.

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