

1. Record Nr.	UNINA9910299212703321
Autore	Xiao Liang
Titolo	Anti-Jamming Transmissions in Cognitive Radio Networks / / by Liang Xiao
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-24292-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (83 p.)
Collana	SpringerBriefs in Electrical and Computer Engineering, , 2191-8112
Disciplina	621.384
Soggetti	Computer networks Electrical engineering Computers Computer Communication Networks Communications Engineering, Networks Information Systems and Communication Service
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 at the end of each chapters.
Nota di contenuto	Introduction -- Spread Spectrum-based Anti-jamming Techniques -- Anti-jamming Techniques based on Uncoordinated Spread Spectrum -- Game Theoretic Study on Jamming in CRNs -- Game Theoretic Stimulation Mechanisms -- Active Anti-jamming Solutions in CRNs -- Conclusion and Future Work.
Sommario/riassunto	This SpringerBrief examines anti-jamming transmissions in cognitive radio networks (CRNs), including several recent related research topics within this field. The author introduces the transmissions based on uncoordinated spread spectrum to address smart jammers in CRNs. The author applies game theory to investigate the interactions between secondary users and jammers while providing game theoretic solutions to suppress jamming incentives in CRNs. Later chapters evaluate the Nash equilibrium and Stackelberg equilibrium of the jamming games under various network scenarios. Professionals and researchers working in networks, wireless communications and information technology will find Anti-Jamming Transmissions in Cognitive Radio Networks valuable material as a reference. Advanced-level students

studying electrical engineering and computer science will also find this brief a useful tool.
