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 621.384 Disciplina Soggetti Computer communication systems 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.