1. Record Nr. UNINA9910299244503321

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Titolo	Dynamic Spectrum Access for Wireless Networks / / by Danda B. Rawat, Min Song, Sachin Shetty
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15299-8
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 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 and index.
Nota di contenuto	An Overview of Cognitive Radio Networks -- Resource Allocation in Spectrum Underlay Cognitive Radio Networks -- Cloud-integrated Geolocation-aware Dynamic Spectrum Access -- Resource Allocation for Cognitive Radio Enabled Vehicular Network Users.
Sommario/riassunto	This SpringerBrief presents adaptive resource allocation schemes for secondary users for dynamic spectrum access (DSA) in cognitive radio networks (CRNs) by considering Quality-of-Service requirements, admission control, power/rate control, interference constraints, and the impact of spectrum sensing or primary user interruptions. It presents the challenges, motivations, and applications of the different schemes. The authors discuss cloud-assisted geolocation-aware adaptive resource allocation in CRNs by outsourcing computationally intensive processing to the cloud. Game theoretic approaches are presented to solve resource allocation problems in CRNs. Numerical results are presented to evaluate the performance of the proposed methods. Adaptive Resource Allocation in Cognitive Radio Networks is designed

for professionals and researchers working in the area of wireless networks. Advanced-level students in electrical engineering and computer science, especially those focused on wireless networks, will find this information helpful.