1.	Record Nr.	UNINA9910299256803321
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	Titolo	Spectrum Trading in Multi-Hop Cognitive Radio Networks [[electronic resource] /] / by Miao Pan, Ming Li, Pan Li, Yuguang Fang
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	3-319-25631-9
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (69 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.
	Nota di contenuto	The Network Architecture for Spectrum Trading Economic-Robust Transmission Opportunity Based Spectrum Trading A Session Based Spectrum Trading System under Uncertain Spectrum Supply Economic-Robust Session Based Spectrum Trading.
	Sommario/riassunto	This SpringerBrief focuses on spectrum trading designs in multi-hop cognitive radio networks. It starts with the motivation for spectrum trading and the review of existing spectrum trading designs. Then, it presents a novel CRN architecture for spectrum trading considering spectrum trading's economic features and wireless nature. Under this network architecture, it extends current single-hop per-user based spectrum trading design into a multi-hop transmission opportunity based one, and further into a session based one, while having economic properties guaranteed. This SpringerBrief not only provides a good review of current spectrum trading designs, it also touches on the cutting-edge interdisciplinary spectrum trading research on disparate fields of modeling, network architecture design, optimization theories, statistics, and economic theories. Advanced-level students studying

computer science, electrical and computer engineering and economics,	
wireless network planners, and wireless spectrum engineers will find	
this book a useful tool.	