1. Record Nr. UNINA990009679910403321

Autore	Duff, P. McL. D.
Titolo	Cyclic sedimentation / by P. McL. D. Duff, A. Hallam and E.K. Walton
Pubbl/distr/stampa	Amsterdam, : Elsevier, 1967
Descrizione fisica	VII, 280 p. : ill. ; 24 cm
Collana	Developments in sedimentology ; 10
Altri autori (Persone)	Hallam, A. Walton, E.K.
Disciplina	631.4
Locazione	DINGE FAGBC
Collocazione	0A3/21 A CHI 476
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910254329803321

Autore	Pandit Shweta
Titolo	Spectrum Sharing in Cognitive Radio Networks : Medium Access Control Protocol Based Approach / / by Shweta Pandit, Ghanshyam Singh
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-53147-6
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXIII, 254 p. 81 illus., 58 illus. in color.)
Disciplina	621.3815
Soggetti	Electronic circuits Signal processing Energy policy Energy and state Electronics Electronic Circuits and Systems Signal, Speech and Image Processing Energy Policy, Economics and Management Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cognitive Radio Communication System¾Spectrum Sharing Techniques -- Spectrum Sensing in Cognitive Radio: Potential Techniques and Future Perspective -- Medium Access Control Protocol for Distributed Cognitive Radio Network -- Distributed Cognitive Radio Medium Access Control Protocol in Perfect and Imperfect Channel Sensing Scenarios -- Throughput Enhancement using Bandwidth Wastage in MAC Protocol of the Distributed Cognitive Radio Network -- Power Allocation for Optimum Energy Efficiency in MAC Protocol of Cognitive Radio Communication System -- Frame Structure for Throughput Maximization in Cognitive Radio Communication -- Capacity Limits over Fading Environment with Imperfect Channel State Information for Cognitive Radio Network -- Channel Capacity of Cognitive Radio in Fading Environment with CSI and Interference Power Constraints --

Framework for Cross-Layer Optimization in Cognitive Radio Network.

Sommario/riassunto

This book discusses the use of the spectrum sharing techniques in cognitive radio technology, in order to address the problem of spectrum scarcity for future wireless communications. The authors describe a cognitive radio medium access control (MAC) protocol, with which throughput maximization has been achieved. The discussion also includes use of this MAC protocol for imperfect sensing scenarios and its effect on the performance of cognitive radio systems. The authors also discuss how energy efficiency has been maximized in this system, by applying a simple algorithm for optimizing the transmit power of the cognitive user. The study about the channel fading in the cognitive user and licensed user and power adaption policy in this scenario under peak transmit power and interference power constraint is also present in this book.