



Cognitive Radio. Future of Wireless Communication

By Pragnesh Patel

GRIN Verlag GmbH Jun 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Scientific Essay from the year 2015 in the subject Communications - Technical Communication, , language: English, abstract: This Paper describes the shortage of Radio Spectrum that the world is facing today. The solution to this problem is cognitive radio. Cognitive radio and its briefs are explained here. Increase in demand of something is good for mankind as it shows their economic development. But there is a natural resource which creates problems whenever there is increase in demand. That resource is radio spectrum and technology to deal with is this problem is called as cognitive radio. Cognitive radio is been developed under DARPA - XG. Cognitive radio is next generation technology in which wireless communicators can use spectrum that is allotted to someone for commercial use under certain restrictions. Section I introduces with the problems faced for spectrum and Cognitive radio and Cognitive Radio Networks are described in Section II and Section III respectively. Section IV deals with Spectrum Assignment and related problems whereas Spectrum Sensing techniques are addressed in Section V. Section VI discusses Applications of...



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