

# Sensing Techniques for Next Generation Cognitive Radio Networks

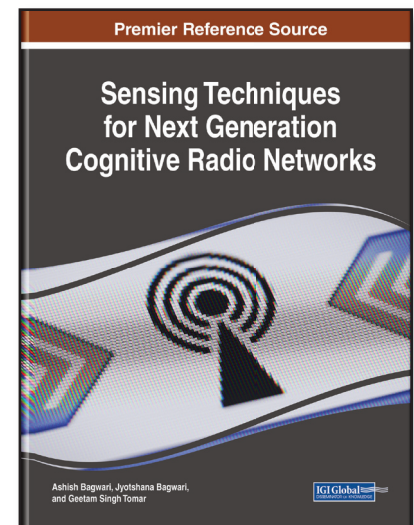
Part of the Advances in Wireless Technologies and Telecommunication Book Series

Ashish Bagwari (Uttarakhand Technical University, India),  
Jyotshana Bagwari (Uttarakhand Technical University, India) and  
Geetam Singh Tomar (THDC Institute of Hydropower Engineering  
and Technology, India)

## Description:

The inadequate use of wireless spectrum resources has recently motivated researchers and practitioners to look for new ways to improve resource efficiency. As a result, new cognitive radio technologies have been proposed as an effective solution.

**Sensing Techniques for Next Generation Cognitive Radio Networks** is a pivotal reference source that provides vital research on the application of spectrum sensing techniques. While highlighting topics such as radio identification, compressive sensing, and wavelet transform, this publication explores the standards and the methods of cognitive radio network architecture. This book is ideally designed for IT and network engineers, practitioners, and researchers seeking current research on radio scene analysis for cognitive radios and networks.



**ISBN:** 9781522553540

**Release Date:** August, 2018

**Copyright:** 2019

**Pages:** 311

## Topics Covered:

- Coherence Bandwidth
- Compressive Sensing
- Cross-Correlation
- Energy Detection
- Radio Identification
- Spectrum Accuracy
- Spectrum Sensing
- Wavelet Transform

**Hardcover:** \$215.00

**E-Book:** \$215.00

**Hardcover + E-Book:** \$260.00

### Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA