

# Handbook of Research on Advanced Wireless Sensor Network Applications, Protocols, and Architectures

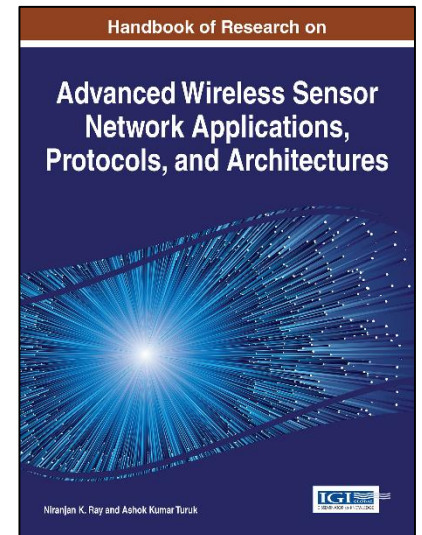
Part of the Advances in Wireless Technologies and Telecommunication Book Series

Niranjan K. Ray (Silicon Institute of Technology, India) and Ashok Kumar Turuk (National Institute of Technology Rourkela, India)

## Description:

The implementation of wireless sensor networks has wide-ranging applications for monitoring various physical and environmental settings. However, certain limitations with these technologies must be addressed in order to effectively utilize them.

The **Handbook of Research on Advanced Wireless Sensor Network Applications, Protocols, and Architectures** is a pivotal reference source for the latest research on recent innovations and developments in the field of wireless sensors. Examines the advantages and challenges presented by the application of these networks in various areas.



## Readers:

This book is ideally designed for academics, researchers, students, and IT developers.

**ISBN:** 9781522504863

**Release Date:** July, 2016

**Copyright:** 2017

**Pages:** 460

## Topics Covered:

- Data Fusion
- Health Monitoring Applications
- Mobile Ad Hoc Networks
- Network Security
- Performance Evaluation
- Routing Protocols
- Sensor Deployment

**Hardcover +  
Free E-Access:**

**\$285.00**

**E-Access +  
Free Hardcover:**

**\$285.00**

**1 Year  
Online Subscription:**

**\$135.00**

**2 Year  
Online Subscription:**

**\$225.00**

## 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)



**Niranjan Kumar Ray** received his PhD in Computer Science and Engineering (CSE) from National Institute of Technology Rourkela in 2014. He did his Masters in Computer Science and engineering from Utkal University Bhubaneswar in 2007. He is a Sr. Assistant Professor in the Department of Computer Science and Engineering, Silicon Institute of Technology, Bhubaneswar. His area of interest includes mobile ad hoc networks, wireless sensor networks, Internet of Things(IoT) and software defined network. He was the publication chair of International Conference on Information Technology (ICIT-2015). He is listed in Marquis Whos Who in Science and Engineering, 12th Edition (2016) and Who's Who in World, 32nd Edition (2015). He is a member of IEEE.

**Ashok Kumar Turuk** received his PhD in Computer Science and Engineering (CSE) from IIT Kharagpur in 2005. He did his Bachelors and Masters in Computer Science and engineering from National Institute of Technology, Rourkela (formerly REC Rourkela) in 1992 and 2000, respectively. He is an Associate Professor in the Department of Computer Science and Engineering, National Institute of Technology, Rourkela. His research interest includes wireless ad hoc, sensor and optical networks, Cloud computing and Internet of Things(IoT). He was the principal investigator (PI) of many project funded by government agency like DIT, DST, etc. He was the programme chair of International Conference on Communication Computing and Security (ICCCS-2011). He is a member of IEEE Computer Society, Indian Society for Technical Education (ISTE), Computer Society of India (CSI), and Odisha Bigyan Academy.