

# Smart Devices, Applications, and Protocols for the IoT

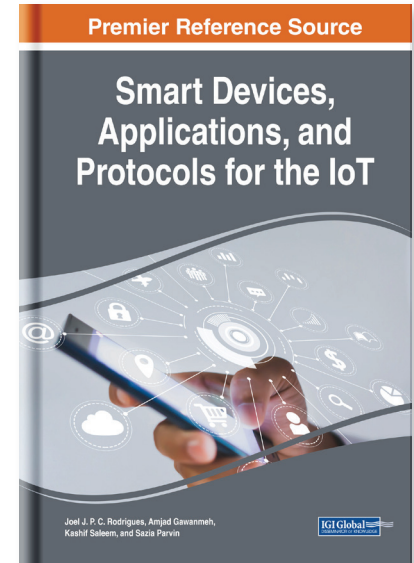
Part of the Advances in Multimedia and Interactive Technologies Book Series

Joel J.P.C. Rodrigues (National Institute of Telecommunications (Inatel), Brazil), Amjad Gawanmeh (Khalifa University, UAE), Kashif Saleem (King Saud University, Saudi Arabia) and Sazia Parvin (Melbourne Polytechnic, Australia)

## Description:

Advances in computing, communications, and control have bridged the physical components of reality and cyberspace leading to the smart internet of things (IoT). The notion of IoT has extraordinary significance for the future of several industrial domains. Hence, it is expected that the complexity in the design of IoT applications will continue to increase due to the integration of several cyber components with physical and industrial systems. As a result, several smart protocols and algorithms are needed to communicate and exchange data between IoT devices.

**Smart Devices, Applications, and Protocols for the IoT** is a collection of innovative research that explores new methods and techniques for achieving reliable and efficient communication in recent applications including machine learning, network optimization, adaptive methods, and smart algorithms and protocols. While highlighting topics including artificial intelligence, sensor networks, and mobile network architectures, this book is ideally designed for IT specialists and consultants, software engineers, technology developers, academicians, researchers, and students seeking current research on up-to-date technologies in smart communications, protocols, and algorithms in IoT.



**ISBN:** 9781522578116

**Release Date:** March, 2019

**Copyright:** 2019

**Pages:** 300

## Topics Covered:

- Artificial Intelligence
- Big Data
- Blockchain Technology
- Cloud Computing
- Crowdsensing
- Dynamic Networks
- Fuzzy Logic
- Genetic Algorithms
- Mobile Network Architectures
- Neural Networks
- Sensor Networks
- Smart Cities
- Smart Contracts
- Smart Routing

**Hardcover:** \$225.00

**E-Book:** \$225.00

**Hardcover + E-Book:** \$270.00

### 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