## **Table of Contents**

A Study on the Application Service for Effective Disaster Management based on BIM  Ji-eun Kim and Chang-hee Hong	1
Contemporary Smart Cities: Key Issues and Best Practices  Katalin Feher	5
Citizens as Sensors - Human Sensors as a Smart City Data Source  Lasse Berntzen, Marius Rohde Johannesen, Stephan Bohm, Christian Weber, and Roberto Morales	11
From Micro Environmental Sensors to Citizen as Sensors: The Smart Environmental Sensing Web of EPA Shuenn-Chin Chang, Yeuh-Bin Wang, His-Chi Lin, Chun-Ming Huang, Yi-Dao Chiang, and Ying-Chieh Chen	19
RSSI Signatures for Outdoor WSN Applied to IoT - Smart Campus and Cities Guilherme Lopes, Omar C Branquinho, Paulo Cardieri, Eduardo Lima, Pedro Chaves, Raphael Montali, and Fabiano Fruett	21
Verification of Security Protocols for Smart Meters in Smart Grid Networks  Mustafa Saed, Nizar Al Holou, and Kevin Daimi	25
AMBLoRa: a Wireless Tracking and Sensor System Using Long Range Communication to Monitor Animal Behavior Thierry Antoine-Santoni, Jean-Sebastien Gualtieri, Francois-Marie Manicacci, and Antoine Aiello	35
Ultra-wideband Indoor Positioning Based on Triangle Midpoint Algorithm Wen Piao Lin and Yu-Fang Hsu	41
Layered Modeling Approach for Distributed Situation Recognition in Smart Environments  Mathias Mormul, Pascal Hirmer, Matthias Wieland, and Bernhard Mitschang	47
The "Bottom-up Smart City": Filling the Gap Between Theory and Practice  Clementine Schelings and Catherine Elsen	54
Smart Learning Extended Environment: Connecting Anywhere People And Organizations Piergiuseppe Ellerani, Carlo Alberto Tenchini, and Daniele Barca	61