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Preface

The China Wireless Sensor Network Conference (CWSN) is an annual conference sponsored by the China Computer Federation (CCF). The 11th China Wireless Sensor Network Conference (CWSN2017) was cosponsored by the China Computer Federation Technical Committee on Internet of Things and took place at Tianjin University, China. The theme of CWSN2017 was “The Era of the Internet of Things: State of the Art, Opportunities, and Challenges.” CWSN is a premier event that aims to provide a high-level forum to bring together academic researchers, engineering professionals, and industry experts to exchange information, share achievements, and discuss future developments on various topics related to wireless sensor networks, which will promote the research and technical innovation in these fields.

The papers contained in these proceedings address challenging issues in energy-efficient network infrastructure, network architecture, wireless communication systems and protocols, power control and management, resource management, positioning and location-based services, new models of sensor usage, sensor data storage, retrieval, processing and management, quality of service, fault tolerance and reliability, experience with real-world applications, security and privacy, software development, testing and debugging tools as well as simulation environments, sensor data quality, integrity and trustworthiness, performance modeling and analysis, cyber-physical systems (CPS), as well as Internet of Things.

This book constitutes the refereed proceedings of the 11th China Wireless Sensor Network Conference (CWSN 2017), held in Tianjin, China, during October 12–14, 2017. The 29 revised full papers were carefully reviewed and selected from 213 submissions. Each submission received around three reviews, and for those recommended for CCIS, we further improved the technical quality and the language with one more careful review round. In these proceedings, papers are organized in topical sections on wireless sensor networks, energy efficiency and harvesting, privacy and security, cloud computing and virtualization, and mobile computing and services.

November 2017

Jianzhong Li
Huadong Ma
Keqiu Li
Li Cui
Limin Sun
Zenghua Zhao
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Organization

CWSN 2017 (the 11th China Wireless Sensor Network Conference) was sponsored by CCF, cosponsored by the China Computer Federation Technical Committee on Internet of Things, and organized by Tianjin University, China.

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