

# Smart Sensors for sustainable Internet of Everythings (IoE)

## Guest Editor

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## Aim and Scope

The Internet of Everything (IoE) is a concept that extends the Internet of Things (IoT) emphasis on machine-to-machine (M2M) communications to describe a more complex system that also encompasses people and processes. The concept of the Internet of Everything originated at Cisco, who defines IoE as "the intelligent connection of people, process, data and things." Because in the Internet of Things, all communications are between machines, IoT and M2M are sometimes considered synonymous. The more expansive IoE concept includes, besides M2M communications, machine-to-people (M2P) and technology-assisted people-to-people (P2P) interactions. The Global Internet of Everything (IoE) market is a very competitive market and it will grow at a CAGR of 15% estimated to reach \$23.97 trillion by 2022.

Evolution of current sensor and device networks, with strong interaction with people and social environments, will have a dramatic impact on everything from city planning, first responders, military, and health. Several Internet and connection-based paradigms fall under the IoE umbrella, such as Internet of Things (IoT), Internet of People (IoP), and Industrial Internet (II).

## Topics of Interest

It is evident that the creation of an innovative IT ecosystem involves significant developments in a broad range of topics, from foundational topics regarding the organization and analysis of information, to papers presenting novel technological platforms for interconnecting smart sensors and intelligent devices, to pilots reporting recent developments in real-world deployments. Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks are invited for submission in this special issue.

Tracks: (Sub-Themes)

- IoE Devices and Services
- IoE Infrastructure & Network technologies
- IoE Application technologies
- Data management and knowledge extraction

- Novel network infrastructures
- Smart metering infrastructures
- Wide area management and monitoring systems
- Networking protocols for low-power devices
- Methodologies for studying and analyzing smart buildings' performance
- Pilot applications and experiences in both public and private buildings

### **Keywords**

Internet of everythings, Internet of things, smart buildings, energy data analytics, smart gamification, real-world internet

### **Proposed Schedule**

Manuscript Submission Deadline:	30 April 2020
Peer Review Due:	30 May 2020
Revision Due:	15 June 2020
Announcement of Acceptance by Guest Editor:	30 June 2020
Final Manuscript Due:	15 July 2020

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