Emerging IoT Technologies for Smart Environments

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Message from the Guest Editors

The next generation of the Internet is expected to interconnect and to make heterogeneous and smart objects interoperable in order to realize IoT. It aims to diffuse smart and pervasive environments able to offer innovative services in heterogeneous applicative scenarios, such as environmental monitoring, building automation, healthcare, smart cities, smart grids, logistics, and tourism.

Potential interesting topics include, but are not limited to:

- IoT-aware systems based on wireless and wearable devices;
- Embedded systems in IoT-aware system architectures;
- Protocols performance analysis in IoT architectures;
- Smart environments based on IoT Technologies;
- Mobile applications and rapid prototyping in the IoT;
- Middleware, semantic web, and ontology in the IoT;
- Fog computing in the IoT;
- Innovative AAL systems;
- Microservices architectures;
- Innovative solutions for industrial IoT;
- Big data and data analytics;
- Intelligent transport and localizaion systems;
- Safety and emergency systems based on IoT technologies;
- Artificial intelligence systems based on machine or deep learning;
- Case studies, field trials, and industrial applications.

Special Issue

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Message from the Editor-in-Chief

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