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Sensor Systems in Smart Environments

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Message from the Guest Editors

A “smart” environment incorporates intelligent systems (e.g., smart home, smart factory, smart city, smart building, smart parking, smart agriculture, intelligent traffic systems, smart car etc.) employing pervasive computing, machine learning, artificial intelligence, cognitive sensor systems, wireless and sensor networking to realize cyber and physical components for sensing, reasoning and controlling the environment. The development of a smart environment introduces several challenges, which include system integration, system maintenance, geographical and functional extensibility, social networking, mobile computing, context-aware applications and services, human-in-the-loop modeling and simulation, big data analysis, cloud and edge-based IoT frameworks and environment, field experiments and testbeds. The main goal of this Special Issue is to present and discuss recent advances in the area of sensor systems, in particular in regard to technologies, architectures, algorithms and protocols for smart environments with emphasis on real smart environment applications.



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Special Issue



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Message from the Editor-in-Chief

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