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Wireless Sensor Networks and IoT for Smart Cities

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Message from the Guest Editors

Dear Colleagues,

By leveraging on information and communication technologies (ICT), as well as on drones and metamaterials, smart cities promise to increase the efficiency in the use of physical infrastructures and resources, to learn and adapt more effectively to changing circumstances, and to fruitfully engage with citizens in local governance and public utilities. In such a scenario, Wireless Sensor and Actuator Networks (WSANs), Internet of Things (IoT), unmanned aerial vehicles (UAVs) and electromagnetic metasurfaces are, along with 5G and beyond, the most promising technologies to establish the nervous system of future reactive and proactive urban environments, aimed at improving the connectivity, collecting data to be processed and triggering actions as responses.

This special issue aims at providing a snapshot of the status and progress of smart city technologies, discussing applications, use-cases, architectures, deployments, recent advances and findings from theoretical investigations and ongoing trials, as well as future trends.

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Special Issue



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Message from the Editor-in-Chief

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