Advances in Sensor Networks for Smart Cities

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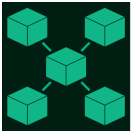Kalasalingam Academy of
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Message from the Guest Editors

In recent decades, the size and population of cities have increased drastically. This massive growth in population poses a significant constraint on resources in several dimensions of daily lives in urban areas, such as the quality of services in healthcare, education, the environment, public safety, and security. Thus, new methods must be put in place for these cities to be sustainably managed. The extensive implementation of pervasive and mobile computing systems has given rise to the term of "smart cities", which indicates the capability of sustainable city growth by leading to significant enhancements in city management and life in the above-mentioned sectors and various dimensions such as rainwater harvesting, energy efficiency, traffic congestion, pollution reduction, parking space, public safety, and recreation. The interesting features of smart cities have been made possible in recent years because of the availability of commodity low-power sensors, smartphones, tablets, and the necessary wireless networking infrastructure, which, along with technologies such as artificial intelligence (AI) and big data processing.

Special Issue

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Message from the Editor-in-Chief

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