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Recent Progress in Machine Learning and Computational Intelligence in Smart Cities

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Message from the Guest Editors

The advent of wearable devices, Internet of Things, Internet of vehicles tends to stimulate deep transformations in smart cities, not only at the technological level but also at the societal and economic level. Data is generated at a rate of petabytes per day. Given this amount of data, intelligent processing is needed. Also, because of the advances in high performance computing, large data sets can now be used for training machine learning algorithms. Specifically, deep learning paradigms enable sophisticated transformation of data into usable, operational knowledge.

New services can be offered to citizen, firms, and public administrators. For instance, intelligent systems will provide services such as Smart transportation and parking, Smart homes, Intelligent Surveillance Systems, Smart Grids, Weather monitoring, Healthcare and E-Learning.

Hence, there is a demand to further explore the abundant applications of soft computing methods, including deep learning, fuzzy logic, evolutionary methods, and various data mining techniques. This Special Issue invites qualitative and quantitative research on the usage of machine learning techniques to process data in smart environments.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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