Big Data, Information and AI for Smart Urban

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Message from the Guest Editors

Smart urban issue is an interdisciplinary field, which requires the cooperation among IoT, machine learning and deep learning, to support cities in improving the performance of transportation, energy and health. Cities generate huge data from mobile phones, sensors, satellites and other digital devices every day, which contain rich information about the city and its citizens. These heterogeneous spatio-temporal urban big data, including but not limited to human flow, traffic volume, vehicle trajectories, accident records, and weather quality observation. However, it is challenging to efficiently recognize, analyze, curate, and manage the patterns and needs from urban big data. How to effectively mine big data to provide efficient information for smart urban requires further investigation. The development of deep learning, including domain adaption, self/semi-supervised learning, few-shot learning, and interpretable learning, enables approaches that mine urban big data from small samples and can be generalized and adapted across domains.

We invite contributions that collect, process, manage, mine, analyze, and understand various big data to improve urban intelligence.

Special Issue

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Message from the Editor-in-Chief

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