Big Data, Information and AI for Smart Urban

Guest Editors:

Prof. Dr. Xuan Song
Department of Computer Science and Engineering, Southern University of Science and Technology, Shenzhen, China

Dr. Xiaodan Shi
Center for Spatial Information Science, The University of Tokyo, Kashiwa, Japan

Deadline for manuscript submissions:
closed (1 September 2023)

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

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us