

Special Issue

Applications of Big Data and Emerging Technologies for Sustainable Urban Development

Message from the Guest Editors

Big data and other emerging technologies (for example, information and communications technologies (ICT)) are transforming the ways humans interact with the built and natural environment, having the promise of improving the quality of life and well-being of many. This Special Issue encourages researchers to present recent outcomes and achievements regarding their applications of big data and emerging technologies for sustainable urban development. Topics of interest include, but are not limited to, the following:

- Advanced sensing and data collection in smart cities;
- Big data analytics in the urban context;
- ML and AI for sustainable urban development;
- Modelling and optimisation of urban systems;
- Large-scale simulation and digital twin for urban systems;
- Urban system as a cyber-physical system;
- Urban system interdependency;
- Impacts of emerging technologies (e.g., connected and automated vehicles, ride-hailing services) on accessibility, mobility, environment, health, equity, and so on;
- Urban system resilience and climate change;
- Big data and emerging technologies in other aspects (e.g., environment, energy).

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2024)



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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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