

Special Issue

Urban Systems Design: Planning, Design, and Construction of Smart and Connected Communities

Message from the Guest Editors

Cities around the world are facing challenges linked to a growing and aging population, increasing environmental risks due to climate change, and impacts of the pandemic on future urban living. Entering this new era, methods for transforming communities and cities through urban systems design are critical. We are looking for emerging theories, technical solutions, empirical studies, or design test beds by integrating urban design and big data analytics, and/or ideas regarding how intelligent technologies and innovations can be applied to urban systems, such as new urban infrastructures, smart materials, urban sensors and the Internet of Things, digital twin systems, and urban automation, including self-driving cars and urban air mobility. Topics of this Special Issue include but are not limited to:

- Urban systems design;
- The future of urban sustainable technologies;
- Urban systems for climate change mitigation and adaptation;
- Smart, sustainable, and resilient civil infrastructure systems;
- Big data analytics for smart cities;
- The future of urban growth, safety, health and wellness, accessibility, and overall quality of life in smart and connected communities.

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About the Journal

Message from the Editor-in-Chief

Urban Science is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of “science” includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the length of the papers.

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