



## Remote Sensing and Geospatial Analysis in Urban Environments in the Big Data Era

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### Message from the Guest Editors

Remote sensing techniques have experienced rapid development in recent decades, and the advancements in remote sensing technologies have accelerated our understanding of urban environments. In the era of big data, the availability of multisource remote sensing data with diverse spectral, spatial, and temporal resolutions presents opportunities and challenges for geospatial analysis and the comprehensive understanding of urban environments.

The objective of this Special Issue is to explore the challenges and opportunities in exploiting the potential of remote sensing and geospatial analysis applications in urban environments in the big data era. Topics of interest include, but are not limited to, the following:

- Urban environment classification and change analysis from multi-source data;
- Application of new sensors (e.g., UAV, SAR, and LiDAR) in urban environment analysis;
- Urban growth and urbanization modeling;
- New innovative algorithms (e.g., machine learning) in modeling urban environments;
- Human–environment interactions in urban environments;
- Sustainable urban development;
- Urban air, water, heat, population, and energy consumption, and their dynamics.





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## Message from the Editor-in-Chief

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