Special Issue

Big Data-Driven Urban Spatial Perception

Message from the Guest Editors

In recent years, rapid global urbanization has exacerbated critical urban challenges, including inefficient governance, resource scarcity, environmental degradation, and traffic congestion. Urban spatial perception, which characterizes urban spatial features based on human behavioral patterns, is pivotal for deciphering urban dynamics, optimizing public resource allocation, and enhancing spatial quality. Big data offers transformative potential by integrating multi-source information to record, in real time, diverse population movements, public sentiment in urban spaces, and environmental conditions. This capability presents a ripe opportunity to shift urban spatial perception from experience-driven to data-driven paradigms.

For this Special Issue, we invite you to submit original research articles and reviews to provide insights on big data and urban land use planning. Research areas may include (but are not limited to) the following:

- urban mobility and transportation
- human mobility and urban activity patterns
- urban spatial perception and city image
- sentiment analysis in urban spaces
- urban safety and crime prediction
- public health and urban environments

Guest Editors

Prof. Dr. Helin Liu

Dr. Guangliang Xi

Prof. Dr. Feng Zhen

Dr. Mingshu Wang

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst
Institute for Geosciences and Geography, Department Sustainable Landscape Development, University of Halle, Von-Seckendorff-Platz 4, 06120 Halle, Germany

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