

## Special Issue

# Urban Planning Innovation Based on Big-Data, AI, and Digital Technology

### Message from the Guest Editors

This Special Issue is to collect papers that provide novel insights into the integration and application of big data analytics, AI, and digital technologies in the field of urban planning. Papers emphasizing interdisciplinary approaches, combining urban science, computational methods, and urban governance, are particularly welcome.

**Urban Big Data and AI: Spatial analytics with multi-source urban data, machine learning for urban growth and mobility prediction, and deep learning for traffic and land use modeling.**

**Computer Vision and Urban Image Analysis: Streetscape quality assessment, automated change detection from imagery, and semantic segmentation for land use classification.**

**Digital Twins and Smart Urban Systems: Simulation-based planning, real-time infrastructure monitoring, predictive maintenance, and IoT-enabled urban management.**

**Human Behavior, Mobility, and Social Dynamics: pedestrian flow modeling, micro-mobility usage prediction, behavioral pattern detection, agent-based urban simulations.**

**Urban Sustainability, Resilience, and Planning Theory: AI-enhanced planning theory, data-driven carbon and energy management, urban heat islands, and climate adaptation strategies.**

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### Guest Editors

Dr. Heechul Kim

Dr. Sungjoo Hwang

Dr. Seungho Yang

Dr. Jihyon Hwang

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### Deadline for manuscript submissions

31 October 2026



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CiteScore 5.9



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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.

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### Editor-in-Chief

Prof. Dr. Christine Fürst  
Department Sustainable Landscape Development, Institute for  
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#### Journal Rank:

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