Special Issue

City Future: The Innovative Fusion of Artificial Intelligence and Multi-Source Remote Sensing Data

Message from the Guest Editors

The rapid evolution of artificial intelligence (AI), coupled with the explosive growth of multi-source remote sensing data, is profoundly transforming the way we perceive, analyze, and manage cities. In recent years, the integration of data from optical, SAR, LiDAR, hyperspectral, and social sensing platforms has provided unprecedented opportunities to monitor urban dynamics across multiple spatial and temporal scales. Meanwhile, breakthroughs in AI have enabled machines to extract complex spatial patterns and semantic knowledge from massive heterogeneous data sources. As global cities face growing challenges such as climate change, resource scarcity, and population expansion, the fusion of AI and remote sensing offers a powerful path toward intelligent urban governance, sustainable development, and resilient city design. This Special Issue aims to provide an international forum for sharing innovative theories, methodologies, and applications that harness AI to unlock the full potential of multi-source remote sensing data for future cities. We welcome original research focusing on the synergy between AI and remote sensing for urban studies.

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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