Special Issue

Frontiers in Optical Remote Sensing of Urban Areas: Processing Techniques and Applications

Message from the Guest Editors

Active and passive earth observation data (EO) including synthetic aperture RADAR (SAR), LiDAR and optical remote sensing (ORS) play an important role in mapping, monitoring and forecasting information about urban areas and their change. Driven by advances in technologies, ORS is now capable of acquiring and processing very-high-resolution (VHR) imagery through airborne or spaceborne platforms. Consequently, ORS in urban environments has been rapidly emerging as a new frontier technology for mapping and monitoring urban land cover as well as understanding the biophysical properties, patterns, and processes of urban landscapes. There is now a need to broaden awareness and understanding of the novel techniques and innovative applications of ORS in the context of urban areas to realize the full potential of the technology in urban planning and management and addressing the societal needs. This Special Issue seeks high-quality, innovative research papers featuring novel research and representing critical advances in the techniques, algorithms, methodologies, and applications related to data processing, information extraction, and modelling urban environments.

Guest Editors

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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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