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SAR Processing in Urban Planning

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Deadline for manuscript
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Message from the Guest Editors

Rapid urban development has resulted in environmental problems linked to unsustainable transport, housing, waste, energy, and land use management. This necessitates the emergent solutions for self-sustaining and healthier communities. SAR properties are very important in analyzing earth surface and obtaining all necessary information for urban areas understanding and planning.

For our special issue, articles may address, but are not limited to, the following topics:

Use multimodal methods incorporating SAR images and fusing the available distributed information by spatial and/or temporal data processing methods. These methods could incorporate machine learning approaches from feature extraction, classification, neural networks, and pattern recognition.

Multitemporal analysis employing 3D methods and leading to interferometry and/or, tomography, and elevation models.

The main applications are expected to be super-resolution, polarization categorization, urban sprawl, anthropic activities, subsidence. We aim to gain an understanding of urban and artificialized environments, their evolution, and monitoring indicator.



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Special Issue



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