remote sensing

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2nd Edition Instrumenting Smart City Applications with Big Sensing and Earth Observatory Data: Tools, Methods and Techniques

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Message from the Guest Editors

Dear Colleagues,

The exponential growth in the volume of remote sensing data and the increasing quality and availability of high-resolution imagery are making more and more applications of RS data possible in urban environments. In particular, RS information, especially when combined with location-specific data collected locally or through connected devices, presents exciting opportunities for smart city applications, such as risk analysis and mitigation, climate prediction, and remote surveillance. On the other hand, the exploitation of this great amount of data poses new challenges for big data analysis models and requires new spatial information frameworks capable of integrating imagery, sensor observations, and social media in geographic information systems (GIS).

This Special Issue aims to collect high-quality contributions toward the development of new algorithms, applications, and interpretative models for the urban environment, in order to fill the gap between the impressive mass of available RS data and their effective usability by stakeholders.

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