Special Issue

Remote Sensing Big Data for Improving the Urban Environment

Message from the Guest Editors

Global urban areas have been rapidly expanding in recent decades, especially in developing countries. The urbanization rate has been projected to reach 60% by 2030. Urban expansion inevitably leads to conversion of natural and semi-natural ecosystems into impervious surfaces, and thus becomes the most widespread anthropogenic cause of increased urban environmental degradation. Remote sensing has been widely used for investigating the urban environment. This Special Issue aims to present novel studies exploiting remote sensing big data to monitor and improve the urban environment, in addition to showing the potential of remote sensing in developing sustainable cities. This includes coverage of the following topics: (1) Urban remote sensing big data (2) Remote sensing information interpretation (3) Urban expansion, land use/land cover dynamics, and associated environmental consequences (4) Remote sensing of urban water quality (5) Remote sensing of urban thermal environment (6) Remote sensing of urban geological environment

Guest Editors

Prof. Dr. Zhenfeng Shao

Prof. emer John L. van Genderen

Dr. Cheng Zhong

Dr. Neema S. Sumari

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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