Special Issue

Multi-Sensor Techniques for Topographic Mapping

Message from the Guest Editors

Topographic mapping is a fundamental procedure in various field-based studies, including in geomorphology, archaeology, ecology, and environmental sciences. A variety of sensors have recently been developed to perform mapping of landforms. For instance, unmanned aerial vehicles (UAVs) have been used to capture optical or infrared images to carry out three-dimensional and multiband mapping of the land surface. Aerial or terrestrial light detection and ranging (lidar) technology have often been applied to measure surficial objects on the land such as forests. With such techniques, detailed characteristics of the land surface morphology can be investigated, and time-series analysis with multitemporal measurements enables us to detect changes in the Earth surface by an excellent spatiotemporal resolution. This Special Issue aims to present novel and innovative applications of multiple sensors and devices used for topographic mapping. For this, we call papers addressing the wide range of applications of sensors used for topographic mapping. Either review articles or original research papers or technical papers related to the application for topographic mapping are welcome.

Guest Editors

Assoc. Prof. Dr. Yuichi S. Hayakawa

Assoc. Prof. Dr. Hitoshi Saito

Assis. Prof. Dr. Kotaro Iizuka

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

mdpi.com/journal/sensors

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Message from the Editor-in-Chief

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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