Sensors and Materials

Special Issue on Geomatics Technologies for the Realization of Smart Cities

Call for Papers

A smart city is an urban area that uses different types of sensors to obtain different data for asset and resource management. At present, smart cities are a hot research field, in line with the worldwide trend of sustainable development. Geomatics is an indispensable technology in the process of smart city construction. In addition, combined with various smart sensors, artificial intelligence, time and space big data, and other technologies, geomatics is conducive to increasing the efficiency and accuracy of the construction and management of smart cities. The purpose of this Special Issue is to highlight the significance and contribution of geomatics to the construction of smart cities. It focuses on theoretical and experimental studies on self-driving HD maps, indoor and outdoor positioning, environment monitoring, scene understanding (object detection, semantic segmentation, etc.), 3D reconstruction and mobile mapping in urban environments, big data of urban transportation, and so forth, which can provide effective solutions for the construction and management of smart cities.

Scope:

- Self-driving HD maps
- Indoor and outdoor positioning and navigation, environment monitoring
- Scene understanding (object detection, semantic segmentation, etc.)
- 3D reconstruction and mobile mapping in urban environments
- Big data of urban transportation
- Construction and application of urban underground space models
- Detection and analysis of changes in urban environments
- Deformation monitoring and evaluation of urban infrastructures
- Sensors and their applications

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Guest Editors:
Prof. He Huang, PhD
School of Geomatics and Urban Spatial Informatics, Beijing University of Civil Engineering and Architecture, China
E-mail: huanghe@bucea.edu.cn
Interests: geodesy, surveying, HD maps, indoor modeling and location

Lecturer Junxing Yang, PhD
School of Geomatics and Urban Spatial Informatics, Beijing University of Civil Engineering and Architecture, China
E-mail: yangjunxing@bucea.edu.cn
Interests: 3D reconstruction, photogrammetry, remote sensing, computer vision, self-driving, deep learning

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If you have any questions, please feel free to contact the editorial staff at the address below.

Editorial Department of Sensors and Materials
MYU K.K.
1-23-3-303 Sendagi, Bunkyo-ku, Tokyo 113-0022, Japan
Tel: +81-3-3827-8549, Fax: +81-3-3827-8547
E-mail: myukk@myu-inc.jp