



Latest Development in 3D Mapping Using Modern Remote Sensing Technologies

Guest Editor:

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Deadline for manuscript
submissions:

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Message from the Guest Editor

This SI aims at highlighting advances in sensing and georeferencing modalities onboard traditional and emerging platforms, their impact on addressing the needs of traditional and new mapping applications, addressing innovative manipulation of remote sensing data. Contributions related to the following topics are encouraged:

Improved georeferencing of mobile mapping technologies in GNSS-challenging environments;

Image and LiDAR-based simultaneous localization and mapping (SLAM);

Integration of GNSS/INS, image, and LiDAR data for improved trajectory estimation of mobile mapping systems;

Mobile mapping using multimodal sensing onboard unmanned aerial vehicles;

Mobile mapping using multimodal sensing onboard unmanned ground vehicles;

Structure from motion in challenging environments;

Manipulation of heterogeneous point cloud data;

Integration/fusion of imaging and ranging remote sensing data for better representation of mapped environments;

Calibration of GNSS/INS-assisted multisensor, multiplatform mapping systems;

Quality control of mobile mapping products;

Mobile mapping for traditional and emerging applications;
et al.





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Message from the Editor-in-Chief

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