GPS/INS and Mapping Techniques for Environmental and Infrastructure Monitoring

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Message from the Guest Editors

Recent electronic improvements have allowed the development of a number of portable mapping systems, where the combination of a reliable navigation system with mapping sensors enables the quick acquisition of accurate geospatial data. Thanks to their flexibility, such systems are becoming popular in a number of applications, in particular related to environmental and infrastructure monitoring.

This Special Issue aims at fostering the spread of recent research results concerning technological, methodological, and geospatial data processing aspects and case studies related to the considered topics.

Topics include but are not limited to development of new positioning and navigation approaches, based on GPS/INS and other sensors, also in a simultaneous localization and mapping strategy; development and testing of mapping systems, based on the fusion of information provided by different sensors, such as regular and multispectral cameras, LiDAR, and RADAR; and analysis and processing of geospatial information for environment and infrastructure monitoring, also based on artificial intelligence and machine learning techniques.

Special Issue

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Message from the Editor-in-Chief

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