Special Issue

Designing and Managing the Next Generation of Transportation Infrastructure

Message from the Guest Editors

Transportation agencies around the world are presented with a set of challenges including climate change and natural disaster, ageing transportation infrastructure, and anticipated changes in forms of mobility. Managing and overcoming those challenges lies in the ability to:

- develop tools that facilitate efficient large-scale assessment and the proactive management of existing infrastructure
- use information about existing infrastructure to propose innovations to roadway design provisions that would ensure that future infrastructure is capable of handling the anticipated changes.

The use of remote sensing data and GIS tools including mobile LiDAR data, photogrammetry is critical to achieving the aforementioned objectives. These tools have made large volumes of data readily available to transportation agencies and municipalities, nonetheless, efficient processing and semantic segmentation of critical information from those datasets and the ability to relate the extracted information to other components of the transportation system is extremely challenging.

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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