

Special Issue

New Tools or Trends for Large-Scale Mapping and 3D Modelling

Message from the Guest Editors

Topographic surveys are used to capture the shape of the world and represent it as a topographic map or a three-dimensional (3D) model. Large-scale topographic maps are essential for (a) the design and construction of the infrastructure in the urban environment, (b) 3D/city modelling, and (c) general-purpose mapping. Remote sensing tools have shown their efficacy in exploring the natural, human, and social systems at unprecedented resolutions. Now, the demand for geospatial data has increased exponentially, coupled with the need for high-quality large-scale maps and 3D models. The recent developments in remote sensing cameras have opened the door for the high-quality, large-scale mapping of our environment, 3D/city modelling, as well as many useful applications such as infrastructure monitoring, crack measurement, etc.

In this Special Issue, we aim to compile research articles that address various aspects of large-scale mapping and 3D/city modelling with remote sensing cameras from field data acquisition used to map or 3D-model, and their applications. Review contributions and papers describing new sensors/concepts are also welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2023)



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Message from the Editor-in-Chief

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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