

## Special Issue

# 3D Urban Modeling by Fusion of Lidar Point Clouds and Optical Imagery

### Message from the Guest Editor

Fusing lidar data with high-resolution optical images offers various possible ways to cope with the limitations of purely lidar-based or purely image-based methods. Both early and late fusion approaches, application of geometric, probabilistic or machine learning techniques are frequently taken into consideration and often lead to a significantly improved performance. Since the technology side is rapidly improving, the development of new efficient fusion algorithms is timely and required, which is the topic that serves as the focus of this Special Issue. High-quality, unpublished submissions that address one or more of the following topics are solicited:

- Lidar-camera registration;
- Virtual city model generation;
- 3D building reconstruction;
- Cultural heritage scene reconstruction;
- Dynamic urban scene analysis, event monitoring, and unusual event detection;
- Urban traffic analysis and control;
- Road quality assessment, surveys of road marks and traffic signs, urban green area estimation;
- Fusion of aerial and terrestrial lidar and image

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### Guest Editor

Dr. Csaba Benedek

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### Deadline for manuscript submissions

closed (15 November 2022)



## Remote Sensing

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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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