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

Guest Editor:

#### Dr. Csaba Benedek

Institute for Computer Scence and Control, Hungarian Academy of Sciences, Budapest, H-1111 Kende utca 13/17, Hungary

Deadline for manuscript submissions: closed (15 November 2022)

### 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 High-quality, unpublished submissions that address one or more of the following topics are solicited: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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#### Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

### Message from the Editor-in-Chief

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