

## Special Issue

# Digital Terrain Modelling: A Tool for Reconstructing Surface History on All Time and Spatial Scales

### Message from the Guest Editor

Digital elevation models (DEMs) is a standard tool in science, engineering, and everyday life. All types of objects are modeled, ranging from the ground surface (Earth, Moon, Mars), subsurface objects (caves), submarine features, natural and man-made objects (power lines, forests, 3D cities). Petabytes of data are being created daily via airborne or terrestrial LiDAR, UAVs, photogrammetry in a wide range of scales from cm scale to global planetary coverages. As DEMs at a certain scale, resolution, and accuracy are now common, for certain areas more than one dataset is available. The multitemporal DEM data makes change detection possible. However, these data might have been gathered using different technologies, resolution, and accuracy. This way the change detection a challenge: do we see a real change or are these just artefacts, due to the differing technology or accuracy? This Special Issue focuses on two questions: (a) case histories showing how digital elevation data can be used to detect changes (on various scales), and (b) a methodological question: how the various elevation datasets can be integrated to make them suitable for detecting changes, filtering out the artefacts.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 September 2022)



## Remote Sensing

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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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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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