



Land Deformation and Engineering Structural Health Monitoring Using Geo-Spatial Technologies

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Message from the Guest Editors

Land deformation could be result from a geo-hazard event or can serve as an early warning sign for an upcoming catastrophic landslide or subsidence. It is a location-based phenomenon that possesses temporal variation as well. The deformed land causes damage to engineering structures, and the examination of their health condition is also a challenging task after any major hazard event. GIS, free satellite images, and radar data, as well as drone deployment, make the spatial technology not just easy to access but also popular. Deformation patterns or trends could be established by machine learning, and thus the failing engineering structure can be precisely located in a very short time after the event. Any studies on methods or technology that are related to this topic are highly welcome to be submitted to this Special Issue, and case reports are also welcome.





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