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Prediction of Ground Displacement and Landslide Susceptibility Based on Past Relevant Data

Guest Editor:

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editor

Landslides involve excessive movement of natural and man-made slopes, usually along a slip surface, often triggered by prolonged rainfall or earthquakes. They are one of the most destructive hazards in the world. Recently, rigorous machine learning methods have been applied in regional landslide susceptibility mapping in terms of landslide inventory maps and relevant factors affecting ground instability. In addition, recently new technologies, such as space interferometry have been developed which provide cost-effective measurements of past ground displacement data. Furthermore, past ground subsidence data has recently been analyzed in order to provide in-situ measurement of the underlying soil consolidation process, needed for the prediction of future ground subsidence. Yet, application of such modern methods, technologies and analyses in ground displacement and landslide susceptibility are still in a preliminary investigative stage. This special issue of Remote Sensing invites papers in the interesting and timely topic of “Prediction of ground displacement and landslide susceptibility based on past relevent data”.

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Message from the Editor-in-Chief

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