Special Issue

Intelligent Damage Assessment Systems Using Remote Sensing Data

Message from the Guest Editors

Earthquakes can be considered one of the most serious natural disasters being faced by countries around the world. Since earthquakes are not preventable, innovative pre-emptive technologies should be developed in order to predict occurrences. Recently, tools have been developed based on RS to perform damage detection and emergency response systems (i.e., post-earthquake). Other efforts include studies estimating post-earthquake building damage where estimation accuracy varied depending on the type of data being used. Data types also vary from optical sensors, LiDAR point clouds to synthetic aperture radars (SAR) and aerial and unmanned aerial vehicle (UAV) imageries. In recent years, intelligent methods using machine and deep learning methods have become popular for post-earthquake RS-based analysis. Due to the potential in these technologies, this Special Issue invites scholars to share their recently-developed innovations and advances for post-earthquake building damage assessment using remote sensing data and computer vision, contributing to improve disaster resilience.

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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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