



Land and Ocean Disaster Monitoring Based on Navigation Satellite Systems

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Message from the Guest Editors

Dear colleagues,

Currently, there are over 100 operational navigation satellites in space. They all transmit L-band radio signals with frequencies mainly between 1.2 and 1.6 GHz. These signals are not only used for positioning, navigation, and timing, but also for remote sensing.

This Special Issue focuses on the use of signals and data recorded by GNSS receivers which can be ground-based, carried by aircrafts, or by satellites for monitoring and warning of land and ocean disasters. Number of systems which use GNSS signals have already been developed for disaster monitoring. This Special Issue seeks the latest theories, methodologies, software and hardware designs based on navigation satellite systems for disaster monitoring and warning. Topics of interest in this Special Issue include but are not limited to:

- Land, ocean and cryosphere disaster monitoring
- Disaster warning
- Post-disaster services
- Software and hardware design for disaster monitoring
- LEO satellite missions for disaster monitoring
- Experimental campaigns for disaster monitoring





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