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Remote Sensing Makes it Possible: Prediction and Evaluation of Natural Hazards

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Message from the Guest Editors

Dear colleagues,

Disasters have always accompanied human society. The progress of modern civilization has made populations and wealth more concentrated, which is more likely to produce significant losses, secondary disasters, and even chain effects in the face of major disasters. The earthquake and tsunami disaster in Japan on March 11, 2011, caused a large number of casualties as well as property losses and led to secondary disasters, such as nuclear power plant leakage. Remote sensing can obtain global observation data from multi-band, multi-time, and all-weather angles and has the ability of global observation, which is irreplaceable in disaster monitoring. Remote sensing technology has been widely used in the monitoring, assessment, and early warning of disasters.

The deep coupling of remote sensing coordination monitoring and emergency response technology systems can significantly reduce the impact of disasters on human beings. We encourage the contribution of remote sensing technology to predicting and evaluating disasters, such as earthquakes, tsunamis, typhoons, rainstorms, hazes, sandstorms, droughts, forest and grassland fires, snow disasters, and floods.

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Message from the Editor-in-Chief

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