Special Issue

Sensing Technology for Flood Monitoring and Forecasting

Message from the Guest Editors

In recent years, more and more emerging technologies have been applied in water resource management. These technologies can be directly applied to the monitoring of hydrological variables and can also be indirectly applied to hydrological modeling, providing technical support for flood forecasting and warning in a basin. Such as RS technology can be applied to rainfall observation to obtain the continuous spatial distribution of rainfall, and it can also be used to monitor the changing of soil moisture, glaciers, lake water body, and flood inundation. Image recognition technologies are also widely used in water level and flow velocity monitoring, which provide new technical means for quickly obtaining water level and flow data. These sensing technologies greatly enrich the ways for flood forecasting and early warning and also provide strong technical support for improving the accuracy of flood forecasting.

This Special Issue is aimed at representing the latest advances on current efforts to aid advancing flood monitoring and management through new sensing technologies. We welcome contributions in all fields of remote sensing, flood modeling, flood monitoring.

Guest Editors

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Prof. Dr. Zengxin Zhang

Deadline for manuscript submissions

closed (31 March 2021)

About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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