



Hydrometeorological Prediction and Mapping

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Deadline for manuscript
submissions:

closed (30 June 2020)

Message from the Guest Editors

Dear Colleagues,

With global warming and the acceleration of the global water cycle, hydrometeorological extreme events like flood and drought have become more and more frequent, and induce risks to human settlements, especially in an era of rapid population growth. Predicting and monitoring the occurrence, intensity, and evolution of these hydrometeorological events have therefore become important for disaster responses, mitigation, and management to save lives and reduce economic losses. We hope this session will contribute to hydrometeorological prediction from modeling and mapping from remote sensing observations, such as flood and drought, and related variables, including precipitation, land surface temperature, evapotranspiration (ET), stream flow/runoff, soil moisture, snow/ice cover, etc., to foster hydrometeorological forecasting, monitoring, and impact assessment to strengthen preparedness and responses and reduce hydrometeorological disaster losses. We solicit contributions from modeling and remote sensing, hazard response, and preparedness fields that study hydrometeorological hazards across spatial scales.





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