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Remote Sensing of Hydrometeorological Extremes

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Deadline for manuscript submissions:
closed (31 January 2020)

Message from the Guest Editors

Dear Colleagues,

Climate change alters hydrometeorological variables, like temperature and precipitation, and produces changes in the partitioning of precipitation into evapotranspiration and runoff. This exacerbates hydroclimatic extremes like floods, droughts, heat waves and landslides, which have been revealing an unprecedented intensification during the last two decades. Remote sensing together with advanced modeling techniques offers an unprecedented opportunity to improve our understanding of underlying hydrological processes and allows assessing the likelihood, extent, and uncertainty of extreme events in order to mitigate their impacts.

This Special Issue aims at documenting not only the most recent progress in the methods used to monitor, model, and forecast hydroclimatic extremes, but also at understanding how changes in frequency and magnitude of hydroclimatic variables project into extreme events. The Special Issue also encourages studies that investigate the changes and trends of extreme events—e.g., river floods, flash floods, extreme temperatures, heat and cold waves, droughts and landslides—using remote sensing observations.

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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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