



Unmanned Aerial Systems for Surface Hydrology

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editor

Dear Colleagues,

This Special Issue welcomes contributions that involve the use and development of UAV technology for the advancement of our comprehension of surface hydrological processes. More specifically, submitted manuscript may cover the following topics:

- UAV-based measurement in diverse compartments of the water cycle, including application to rainfall, surface water, river bathymetry, soil moisture, vegetation, temperature, and evapotranspiration measurements
- Development and integration of sensors onboard UAV platforms for advanced hydrological measurements
- Establishment of procedures and protocols for UAV-based hydrological observations
- Assessment and comparison of UAV-based measurements to more established technologies
- Development of algorithms for UAV-based data extraction
- Analysis and assimilation of UAV-based measurements in hydrological models
- Development of advanced multisensor UAV platforms for surface hydrology
- Integration of UAV technology within collaborative projects and citizen scientists





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Message from the Editor-in-Chief

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