



Satellite Remote Sensing of Weather, Water and Climate Couplings and Phenomena

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Message from the Guest Editors

Satellite remote sensing is a robust tool to understand coupled weather, water and climate phenomena at multiple scales. The temporal and spatial scales involved go from those of isolated (e.g. extreme, short) events to that of multi-decadal variability. Moreover, these phenomena deeply condition human society from the economic and environmental sustainability points of view. This special issue will contain contributions in the above-cited phenomenology, carried out utilizing remote sensing tools, which consent to address these phenomena because of their exceptional spatial-temporal coverage. Studies using remote sensing data coupling with forecast models are also welcome, as well as studies combining phenomenological results and societal impact. Specific topics include: coastal renewable energy assessment, storm-induced coastal and inland flooding, flood hazard mapping, atmospheric coastal frontal system detection, SAL detection, multi-scale storm phenomena components, atmospheric rivers and new uncharted uses of different types of remotely-sensed imagery for pattern recognition.





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Message from the Editorial Board

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