Special Issue

Advances in Satellite Altimetry

Message from the Guest Editors

Altimetry missions monitor the sea level, ocean dynamics, coastal regions, ice sheets, sea ice, inland waters, terrain elevation, soil moisture and the marine geoid globally with a revisit (or non-revisit) period. Many of these observed parameters of the Earth's surface constitute essential variables for monitoring climate change. Nonetheless, to understand and predict climate variability and change, Earth satellites and observing systems have to generate data records of a sufficient length, consistency, continuity and stability. In this Special Issue of Advances in Satellite Altimetry, we invite researchers and engineers from all disciplines to submit manuscripts presenting recent advances in the field of radar and laser altimetry, including recent and future altimetry missions (e.g., Sentinel-6 MF, ICESat, SWOT, Sentinel-3 Next Generation, CRISTAL, Quanlan, HY-2, etc.), their processing algorithms, calibration/validation and their applications and encourage the submission of review manuscripts exploiting the historic altimetry records and their applications in the spatio-temporal monitoring of Earth's systems on all scales.

Guest Editors

Prof. Dr. Stelios Mertikas

Dr. Xiaoli Deng

Dr. Jérôme Benveniste

Deadline for manuscript submissions

closed (30 June 2023)

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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.

Editor-in-Chief

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