Special Issue

Sea Surface Kinematics from Radar Measurements

Message from the Guest Editor

The highly dynamic uppermost layer of the oceans comprises multiscale expressions of intricate interactions between the earth system components. Currents, waves and sea level fluctuations largely define movement in the sea, dictating fluxes of heat, momentum, carbon and water to, from and within the marine ecosystem. Monitoring the motion of the sea is an essential component of earth observations to follow dynamic phenomena and the related implications, including assessing change, drifting of ice, understanding physical drivers in ecosystem functioning, gauging the impacts of pollutants and predicting hazards. With this special issue we invite contributions on state-of-the-art research and applications of radar technology in ocean observations of sea surface kinematics. Papers and review contributions are expected to cover remote sensing platforms like HF radars and satellite Doppler-based systems, novel methods of derived sea surface currents such as from ship movements, and other radar-based observing systems. :

Guest Editor

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Deadline for manuscript submissions

closed (1 August 2021)

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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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