



## Spatially Distributed Sea Wave Measurements

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Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Dear Colleagues,

Sea surface waves have important spatio-temporal characteristics that, from a historical point-like observational approach, are not complete if the measurement is restricted to the time dimension. In recent years, we assisted a remarkable technological advancement of instruments like radars, stereo-imaging, and others that permit the remote monitoring of oceanic waves (from satellites, platforms, or vessels) in both their spatial and temporal aspects. In some cases, the sea elevation is directly recovered over a surface area, allowing the retrieval of a 3-D image of the wave field. Indeed, new sensors are continuously improving in accuracy and range of use, from coastal areas to off-shore regions, providing unprecedented data in the study of waves and their interactions with the atmosphere and the ocean.

- Wave mechanics and sea surface dynamics;
- Technology and new developments;
- Analysis of the wave climate and its extremes;
- Data fusion and signal processing;
- Statistical and probabilistic methods;
- Assessment of wave models.

Dr. Alvise Benetazzo  
Prof. Filippo Bergamasco  
*Guest Editors*



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## Message from the Editor-in-Chief

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