



Multiscale, Multiphysics Modelling of Coastal Ocean Processes: Paradigms and Approaches

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Deadline for manuscript
submissions:
closed (30 April 2020)

Message from the Guest Editors

This Special Issue focuses on papers about necessities, difficulties, and approaches of multiscale and multiphysics modelling, and it includes contributions on assessment of existing models, analysis on their limitations, new methods, model validation, and case studies. It will also focus on collecting and sharing seminal datasets that support model calibration and testing. We welcome high-quality papers from but not limited to the following areas:

- Computational methods
- Physical oceanography
- Marine sciences
- Hydrology
- Environmental science
- Coastal engineering
- Ocean observations

Contributions to this issue will serve as bases and benchmarks, identify future efforts, and lead to better capabilities to simulate multiscale and multiphysics flow problems and to new paradigms for treating various scientific and engineering problems.

Keywords: Multiscale and multiphysics; Coastal ocean processes; Model assessment and limitation; Model coupling; Mesh resolution; Data analysis; Testbeds





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Message from the Editor-in-Chief

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