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Simulation of Hydrodynamic and Sediment Transport Fields in Seas and Rivers

Guest Editor:

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submissions:

closed (20 August 2021)

Message from the Guest Editor

This Special Issue welcomes original research articles, comprehensive reviews, and applied studies concerning numerical and experimental simulations of velocity, free surface elevation, and suspended sediment concentration fields produced by wave motion, coastal currents, tidal flows, and river currents.

The contributions for this Special Issue may concern the adopted numerical or experimental methodologies and the application of numerical and experimental methods to practical engineering case studies.

The topics of this Special Issue include, but are not limited to, three-dimensional or two-dimensional numerical simulations, and experimental studies for free surface flow and sediment transport phenomena.

Original contributions are encouraged concerning, for example, theoretical aspects, innovative mathematical representations, and numerical or experimental methodology about specific phenomena such as turbulence, wave breaking, resuspension and transport of solid particles, changes in river and sea bottoms, and evolution of coastlines.



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Special Issue



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