Special Issue

CFD Modelling of Free Surface Flows

Message from the Guest Editor

Computation of free surfaces is very complex because of the continuous change in the location of fluid particles. This Special Edition, entitled “CFD Modelling of Free Surface Flows”, aims to highlight research on the improvement of special methods developed for the computation of free surface flows. This can include research studies on the capillary and wetting phenomena in free surface flows, geophysical free surface flows (rivers, lakes, glaciers, and ocean), hydraulic jumps, diffraction of water waves induced by fluid structure interaction and sloshing dynamics. This Special Issue aims to gather original research, review, and state-of-the-art articles focused on modelling free surface flows following numerical approaches.

Guest Editor

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Deadline for manuscript submissions

closed (10 March 2022)

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
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