

Special Issue

Shallow Water Modeling

Message from the Guest Editors

Climatic changes occurring in the world lead to more and more frequent extreme hydrological events, often associated to floods, debris flow, and landslides. Public administrations and land owners need reliable tools to predict water depths, mean velocities, and solid transport occurring during the forecasted events. Shallow water modeling (SWM) is one of the main pillars available today to support the evaluation of the associated hydraulic risk. Recent advances in computer methods and computational hardware allow the inclusion of SWM in the standard management tools of public authorities and private managers of both urban and not-urban areas. SWM can also be a tool for the building information modeling (BIM) approach recently adopted for the design of civil infrastructures, [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/shallow_water_modeling

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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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