Special Issue

Hydraulics and Hydrodynamics in Fluid Machinery

Message from the Guest Editors

Where fluid flows, fluid machinery works. Therefore, fluid machinery occupies an important position in the social economy. As classic power machinery, there is a complex flow structure in fluid machinery. An in-depth study of the internal hydraulics and hydrodynamics in fluid machinery can effectively improve its efficiency and operational stability. Therefore, we are looking forward to receiving original contributions to this Special Issue on Hydraulics and Hydrodynamics in Fluid Machinery, on topics including, but not limited to:

- Hydraulics and hydrodynamics in fluid machinery using theoretical analysis;
- Hydraulics and hydrodynamics in fluid machinery using numerical calculations;
- Hydraulics and hydrodynamics in fluid machinery using experimental methods;
- Fluid–structural coupling analysis of fluid machinery;
- Cavitation and multi-phase flow of fluid machinery;
- New energy systems, simulation, and optimization;
- Other aspects of fluid machinery.

Guest Editors

Prof. Dr. Chuan Wang

Dr. Bo Hu

Prof. Dr. Hui Quan

Dr. Yong Zhu

Deadline for manuscript submissions

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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