Special Issue

Next Generation of Hydraulic Machines

Message from the Guest Editor

The is inviting submissions to a Special Issue of *Energies* on the subject area of “Next Generation of Hydraulic Machines”. Efficient hydraulic machinery are instrumental to achieving sustainable development and ensuring energy security. The development of advanced numerical tools and techniques has generated new insights on flow physics and phenomena and has facilitated performance improvements under normal and off-design conditions. There is an increased research interest to further improve the environmental profile of hydraulic turbomachinery, increase their operating envelope, extend their life span, and maximize cost effectiveness. This Special Issue deals with numerical modelling and hydrodynamic design techniques applied on the entire specific speed range of hydraulic turbomachines (centrifugal pumps and hydroturbines), in order to optimize their performance and efficiency and/or to achieve specific characteristics, like improved cavitation performance, fish friendliness, etc...

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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