Special Issue

CFD Based Researches and Applications for Fluid Machinery and Fluid Device

Message from the Guest Editors

The demand for computational fluid dynamics (CFD)-based numerical techniques is increasing rapidly with the development of the computing power system. These advanced CFD techniques are applicable to various issues in the industrial engineering fields and especially contributing considerably to the design of fluid machinery and fluid devices, which have very complicated unsteady flow phenomena and physics. This Special Issue on “CFD-Based Research and Applications for Fluid Machinery and Fluid Devices” aims to present recent novel research trends based on advanced CFD techniques for fluid machinery and fluid devices. The following topics, among others, are included in this issue:

- CFD techniques and applications in fluid machinery and fluid devices;
- Unsteady and transient phenomena in fluid machinery and fluid devices;
- Pumps, fans, compressors, hydraulic turbines, pump-turbines, valves, etc.

Guest Editors

Dr. Jin-Hyuk Kim

Dr. Sung-Min Kim

Prof. Minsuk Choi

Dr. Lei Tan

Prof. Dr. Bin Huang

Prof. Dr. Ji Pei

Deadline for manuscript submissions

closed (20 March 2021)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/53987

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

mdpi.com/journal/processes

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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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