Special Issue

Recent Advances in Flow Control

Message from the Guest Editors

Flow control technology currently plays important roles in many areas, working in fluid power transmission approaches to drive and control machine motions, realizing fluid medium delivery for chemical reaction systems and energy networks, in microfluidic control for labs-on-chips, and providing fabrication processes for semiconductor manufacturing and bio-manufacturing, among others. Wider applications lead to new technical developments. In recent decades, new technologies have been developed to make flow control parts and systems more intelligent, energy saving, lightweight and flexible. Additionally, new technologies applicable to higher pressure and higher flow rate situations, extremely small micro-channels, ultra-clean fluid media, and with better biocompatibility have been extensively developed to support new applications. This Special Issue of *Applied Sciences* will consider papers that present new advances in flow control knowledge, technology, and research methodology. Special Issue Link:
https://www.mdpi.com/journal/applsci/special_issues/advances_flow_control

Guest Editors

Prof. Dr. Liang Hu
School of Mechanical Engineering, Zhejiang University, Hangzhou 310027, China

Prof. Dr. Yao Jing
School of Mechanical Engineering, Yanshan University, Qinhuangdao, 438, China

Deadline for manuscript submissions

closed (30 April 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/98761

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI