# Special Issue

# Control of Dynamic Flow Fields

**Message from the Guest Editor**

To accelerate the efforts on the control of dynamic flow fields, we would like to organize the Special Issue "Control of Dynamic Flow Fields", in *Energy*. This Special Issue welcomes, but is not limited to, papers related to any of the three kinds of efforts for flow control: (1) A detailed analysis of dynamic flow control based on high-fidelity experiments and numerical simulations, such as

- Advanced measurements, such as dynamic particle image velocimetry, for controlled flow fields;
- High-fidelity simulations, such as direct numerical simulations or large-eddy simulations for controlled flow fields.

(2) Reduced order modeling or machine learning to run advanced flow control algorithms such as

- Modal decompositions for modeling controlled flow fields based on the data-driven approach;
- Discourteous Galerkin projection for modeling based on the analytical approach;
- Machine learning such as deep neural networks for flow control algorithms.

(3) Dynamic flow control results using advanced flow control devices, such as plasma actuators such as

- Active flow control using plasma actuators;
- Active flow control using synthetic jets.


**Guest Editor**

Dr. Taku Nonomura

Department of Aerospace Engineering, Graduate School of Engineering, Tohoku University, Sendai, Miyagi, Japan


**Deadline for manuscript submissions**

closed (31 July 2021)


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

mdpi.com/journal/energies

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# About the Journal

## 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.

## Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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