



Aerodynamics Applied to Turbomachinery

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Deadline for manuscript submissions:

closed (15 April 2023)

Message from the Guest Editors

This Special Issue will be devoted to the state-of-the-art research on the aerodynamics of turbomachines, as well as their components and sub-systems. We seek submissions with a broader perspective of external or internal flows that can include theoretical, experimental or computational investigations, as well as advanced thinking on the theme.

Keywords

- turbomachinery
- aerodynamics
- gas turbines
- jet engines
- compressors
- turbochargers
- fuel injection
- gas turbine combustion
- turbines
- turbine blade cooling
- fan aerodynamics
- theory of gas turbines
- experimental investigation
- computational fluid dynamics
- computational structural dynamics
- fluid–structure interactions
- unsteady flows
- turbulence and turbulent flows
- propulsion
- flow control
- thermal management
- wind tunnel





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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental processing charges (APC) paid by publishers in a normal way can be deposited as supplementary material.

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