

Special Issue

Multiphysics Coupling Investigation of Turbomachinery

Message from the Guest Editors

We sincerely invite you to share your original, high-quality research manuscripts, showcase your ideas and achievements of various types of turbomachinery including turbines, pumps, pump-turbines, fans, compressors, turbochargers, superchargers, engines, propellers, motors, generators, exciters, and turboexpanders.

Here is a non-exhaustive list of the suggested topics for this Special Issue: - New physical phenomena understanding, new theories; - Analytical, experimental, and numerical investigations; - Advanced scientific and technical methodologies, and engineering applications, etc.; - Multiphysics coupling investigation; - Multiphase flows, turbulence, vortex rope, momentum, heat, and mass transfer; - Vibro-acoustic dynamics, sound and vibration, noise control, fatigue, and damage analysis, Rotordynamics analysis; - Application of AI, IoT, Digitalization, digital twins, cloud computing, intelligent manufacturing, 3D printing; - Open-source code development and application for turbomachinery.

Guest Editors

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Dr. Eduard Doujak

Deadline for manuscript submissions

closed (30 June 2023)



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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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