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Multiphysics Coupling Investigation of Turbomachinery

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Deadline for manuscript submissions:

closed (30 June 2023)

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.











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Message from the Editor-in-Chief

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