Special Issue

Flow and Heat Transfer in Turbomachinery

Message from the Guest Editors

Turbomachinery is regarded as one of the key pieces of equipment used in power machinery and engineering, and has been widely applied in the fields of energy production, aviation power, energy storage and saving, process industry, etc. However, the flow in turbomachinery is typical unsteady and complex, and is often coupled with heat transfer, fluid structure interactions, and even phase changes. The study of turbomachinery covers, but is not limited to, numerical and experimental analyses, design methods and technology, performance and reliability, phenomena and mechanisms. The demands from various industrial application strategies and extreme cases has advanced the research in the area of accurate analysis and design technology, stability and reliability enhancement, etc. This Special Issue aims to present and disseminate the most recent progress pertaining to the phenomenon, methodology, model, technology and application of turbomachinery.

Guest Editors

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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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