## **Special Issue**

### Transition/Turbulence Models for Turbomachinery Applications

### Message from the Guest Editors

Current aerodynamic tools used for the design of turbomachinery components frequently fail to predict the flow details in blade passages. With the performance achieved by the current generation of turbomachinery the design optimization of the components at the flow details level is one of the options the designers have to further improve performance, durability, and environmental impact of future aeroengines and power plants. This Special Issue invites high-quality research papers covering a wide range of topics related to turbulence and transition modelling and measurements. The papers are expected to provide contributions, and data, and ideas for improving the RANS/URANS approaches currently used in turbomachinery design and analysis.

- turbulence modelling
- transition modelling
- turbulence measurements
- turbomachinery flows
- scale resolving simulations
- machine learning for turbulence and transition modelling

### **Guest Editors**

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### Deadline for manuscript submissions

closed (31 October 2021)



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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.

### Editor-in-Chief

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