

## Special Issue

# Emerging Techniques and Their Application in Turbomachinery

### Message from the Guest Editors

Turbomachinery plays a significant role in the economy, especially in large-scale industrial systems. Turbomachinery also represents high-emission equipment in the energy field, including thermal power plants, gas turbine power plants, hydropower stations, and nuclear power stations. With the in-depth integration of a new generation of information technology, academia and industry have carried out significant research and development in emerging technology fields, such as Industry 4.0, big data, the Internet of Things (IoT), cloud computing, artificial intelligence, and blockchain. These emerging technologies create both opportunities and challenges to turbomachinery development. This Special Issue invites high-quality research papers covering a wide range of topics related to new emerging techniques and their turbomachinery applications. The papers are expected to provide contributions, data, and ideas for improving the new emerging approach currently used in turbomachinery design and analysis.

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### Guest Editors

Dr. Yanjun Shi

Dr. Matthias Meinke

Prof. Dr. Juan Du

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### Deadline for manuscript submissions

closed (30 July 2022)



## Machines

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## About the Journal

### 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 procedure - if unable to be published in a normal way can be deposited as supplementary material.

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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
CISE–Electromechatronic Systems Research Centre, University of  
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