Special Issue

Radial Turbomachinery Aerodynamics

Message from the Guest Editor

Radial turbomachinery mainly includes centrifugal compressors and radial turbines. Radial turbomachinery remains hugely important for a vast number of applications, such as turboshaft engines, turbocharging for internal combustion engines, oil and gas transportation, and air liquefaction. As jet engine cores become more compact, there is also the possibility of radial machines finding more uses within aerospace applications. The main focus of this Special Issue is on aerodynamic of radial turbomachinery. Potential topics include, but are not limited to:

- centrifugal compressors - map width enhancement
- centrifugal compressors - turbocharger applications
- centrifugal compressors - stall and surge
- centrifugal compressors - map width and off-design
- centrifugal compressors - methods and tools
- centrifugal compressors - performance optimization
- centrifugal compressors - performance and manufacturing aspects
- radial and mixed flow turbines

If you are interested in it, please submit your paper through
the online system at
http://www.mdpi.com/journal/applsci/special_issues/Radial_Turbomachinery_Aerodynamics

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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