



Radial Turbomachinery Aerodynamics

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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

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Message from the Editor-in-Chief

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