

Advances in Critical Aspects of Turbomachinery Components and Systems

Guest Editors:

Prof. Tony Arts

Department of Turbomachinery
and Propulsion, von Karman
Institute for Fluid-Dynamics,
Waterloosesteenweg 72, 1640
Sint-Genesius-Rode, Belgium

Dr. Rodolfo Bontempo

Dipartimento di Ingegneria
Industriale, Università degli Studi
di Napoli Federico II, via Claudio,
21, 80125 Napoli, Italy

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Message from the Guest Editors

This *IJTPP* Special Issue will comprise a collection of high-quality review papers published free of charge by editorial board members and authors invited by the society review chairman, the journal editors, and the editor-in-chief. The objective is to gather the most recent advances in the thermodynamics, the fluid mechanics, the heat-transfer, and the applied combustion of aerospace, marine, and industrial energy devices and turbomachinery-based systems, both from a component and system perspective. Critical aspects requiring major efforts and technological leaps are reviewed and analysed, starting with the state-of-the-art technologies currently available and implemented. The manuscripts address specific subjects among the following topics:

- Turbomachinery;
- Aerospace propulsion;
- Marine propulsion;
- Turbochargers;
- Power generation;
- Thermodynamics;
- Fluid mechanics;
- Heat transfer;
- Vibrations;
- Aero-acoustic;
- Aero-mechanics;
- Applied combustion (aeronautic, aerospace, stationary power systems);
- Wind energy;
- Marine energy;



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