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International Journal of Turbomachinery, Propulsion and Power

A close-up photograph of a turbine's compressor section, showing numerous yellow blades arranged in a circular pattern. The blades are slightly curved and have a metallic sheen. The background is a soft, out-of-focus yellow.

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EUROTURBO
european turbomachinery society

Message from the Editor-in-Chief

The *International Journal of Turbomachinery, Propulsion and Power* (*IJTPP*, ISSN 2504-186X) is owned by Euroturbo (www.euroturbo.eu), a not-for-profit international scientific organization legally established in February 2012. Euroturbo was founded by a group of committed scientists and engineers who have actively contributed to the success of several scientific events in the field of turbomachinery over the past twenty-five years. The Journal was conceived as an interdisciplinary dissemination tool and, although the core of the Journal focusses on the design, the Journal also engages the analysis, the modeling and testing of turbomachinery and turbomachinery-based propulsion and energy conversion systems. Technological innovation at system and component level, the development and application of new flow concepts, and advanced experimental and numerical techniques all fit naturally within the scope. The Journal welcomes manuscripts of high scientific quality addressing fundamental and applied issues of turbomachinery flows.

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Aims

International Journal of Turbomachinery, Propulsion and Power focuses on the current and future science and technology development of turbomachinery in the related fields of turbomachinery-based propulsion and power systems. Of primary interest are the thermodynamics, the fluid mechanics, the heat transfer and the applied combustion of aerospace, marine and industrial energy devices and systems, both from a component and system perspective. Likewise, fundamental and applied studies of energy conversion systems based on single or multi-phase fluid flows, single or multi-species, involving one or more turbomachines are solicited. The *IJTPP* is intended to offer a high quality research and development dissemination tool to colleagues with a primary interest in turbomachinery from academia, research institutes and industry.

Scope

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

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