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Experimental and Numerical Methods for the Design of Internal Combustion Engines and Turbomachines

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on experimental and numerical methods of different levels of complexity, either conceived for or adapted to the design and analysis of components and systems from the concept design to the optimisation, anticipated and/or developed in parallel with prototype testing. Accordingly, examples include, but are not limited to:

- classic design calculations to establish dimensions without computationally intensive methods;
- concept-level analyses to investigate and compare ideas by means of comparable data on alternative designs; experiments and flow calculations for aero-, hydro- and gas-dynamic performance;
- noise and pollutant emissions;
- abnormal operations related to fluid dynamics and combustion systems and their components;
- other design issues related to specific applications involving the use of non-conventional/alternative fluids and fuels.

Dr. Massimo Masi
Dr. Cinzia Tornatore
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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