Special Issue

Advances in Combustion Diagnostic Methods for Aerospace Propulsion

Message from the Guest Editors

This Special Issue aims to provide an overview of recent advances in combustion diagnostics methods and its application to aerospace propulsion. Authors are invited to submit full research articles and review manuscripts addressing (but not limited to) the following topics:

- Coherent anti-Stokes Raman spectroscopy (CARS) diagnostics of high-pressure and high-temperature gases
- CARS thermometry
- Laser-induced grating spectroscopy
- Tunable diode-laser absorption spectroscopy
- Raman scattering
- Rayleigh thermometry
- CARS detection of radicals
- Laser-induced fluorescence (LIF) for radicals and combustion products
- LIF for mixing and kinetics measurements in gas-phase flows
- LIF and other optical measurements of soot
- Time-resolved LIF
- Particle image velocimetry (PIV)
- Simultaneous PIV and concentration measurements
- Laser tomography

Guest Editors

Dr. João Melo de Sousa

IDMEC, Mechanical Engineering Department, Instituto Superior Técnico, University of Lisbon, 1049-001 Lisboa, Portugal

Prof. Dr. Mário Costa †

Instituto Superior Técnico, University of Lisbon, 1000-001 Lisbon, Portugal

Deadline for manuscript submissions

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Aerospace
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
aerospace@mdpi.com

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Konstantinos Kontis
School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

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