



Advances in Combustion Diagnostic Methods for Aerospace Propulsion

Guest Editors:

Prof. Dr. João M. Melo De Sousa

IDMEC, Mechanical Engineering
Department, Instituto Superior
Técnico, Universidade de Lisboa,
Lisboa, Portugal

msousa@tecnico.ulisboa.pt

Prof. Dr. Mário Costa †

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

mcosta@tecnico.ulisboa.pt

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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





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Editor-in-Chief

Prof. Dr. Konstantinos Kontis

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

Message from the Editor-in-Chief

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Contact Us

Aerospace
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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