Special Issue

Advances in Aerothermal Engineering

Message from the Guest Editor

Aerothermal engineering is at the heart of aerospace propulsion systems. Its technological advances in fluid mechanics, thermodynamics, acoustics, etc. have been pushing design and manufacturing boundaries for more thrust and better efficiency. Challenges which are greater than ever are now the focal point of developing future propulsion systems as environmental concerns, such as ambitious emission and noise reductions, and relentless pressure on shortening design and manufacturing cycles, requiring novel solutions and new paradigms. This Special Issue will be a collection of contributions that reflect the latest efforts in the research areas of aerothermal engineering with potential applications (or directly linked) to an aerospace propulsion system. Contributions can be original research articles as well as reviews, which will potentially be in (but not limited to) one or more research fields ranging from aerothermal aspects of gas turbine aeroengines to heat transfer (and cooling) problems of propulsion systems to mass transfer within multiphase flows and to aerothermal flow induced noise and vibration problems.

Guest Editor

Dr. Hao Xia

Department of Aeronautical & Automotive Engineering, Loughborough University, Loughborough LE11 3TU, UK

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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, UK

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