

Special Issue

Supersonic Combustion and Scramjet Propulsion

Message from the Guest Editors

Supersonic combustors are one of the key components of scramjet, the performance of which could make a deep influence on the whole performance of scramjets. In supersonic combustors, the velocity of the main airflow is of an order of kilometers per second; indeed, it exists in such a harsh flowing condition that it is extremely difficult to achieve the combustion organization and flame stabilization. In order to solve the issues about combustion efficiency improvement in scramjet propulsion systems, we are launching a Special Issue of *Aerospace* entitled “*Supersonic Combustion and Scramjet Propulsion*”. In doing so, we aim to enhance the investigations into flame stabilization mechanisms in scramjet combustors. The Special Issue will cover areas of ignition, flame stabilization, flame propagation, combustion performance improvement, scramjet propulsion technology. We intend to publish original research articles, review articles and technical notes. The journal reviews papers within one week of submission, and a fast review process is among our strengths.

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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.

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