Special Issue

Supersonic Combustion in Scramjet Engine

Message from the Guest Editors

Powered hypersonic flight is no longer a dream, but rather, a reality. It has been made possible by several decades of efforts and devotion from our senior colleagues. Nevertheless, it is just the beginning. As always in all engineering fields, continuing innovations at the present level mature the technology from a prototype to military use and then, finally, to civil applications at an affordable cost. Supersonic combustion in scramjet engines lies at the core of the technologies for powered hypersonic flight. For this Special Issue, authors are invited to contribute high-quality original papers covering the fundamental physics of supersonic combustion, and new developments in technology for scramjet engines. We also welcome papers discussing new theoretical, analytical, experimental, and numerical methods and techniques useful for further understanding and development of supersonic combustion in scramjet engines. **Keywords**

- supersonic combustion
- scramjet engine
- fundamental physics
- new developments
- experimental techniques
- numerical methods

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