



Advances in Hybrid Rocket Technology and Related Analysis Methodologies

Guest Editor:

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Deadline for manuscript submissions:

closed (31 May 2019)

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This Special Issue aims to provide an overview of the state-of-the-art and the main challenges in the field of hybrid rocket. Full research articles and review manuscripts that will make considerable contribution in the following topics are welcome: (i) motor performance and related issues, (ii) internal ballistics modeling, (iii) applied computational fluid dynamics, (iv) combustion stability, (v) analytical and computational acoustics, (vi) the design of novel hybrid rocket motor concepts, and (vii) experimental methods.

Keywords

- Fuel regression rate enhancement methods
- Combustion instability
- Motor internal ballistics
- Numerical fluid-dynamic simulations
- Oxidizer injection techniques
- Nonstandard solid fuel grain configurations

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Message from the Editor-in-Chief

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