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Micro-Propulsion Systems and Components for Small Spacecraft—Current Trends, Innovations and Challenges

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Deadline for manuscript submissions:
closed (28 October 2020)

Message from the Guest Editors

Miniaturized spacecraft in the nano-satellite class, such as CubeSat or PocketQube, are making access to space more and more easy, fast, and cheap, especially with the recent developments in miniaturization technologies. However, a limit on the exponential growth that small satellite launches have shown in recent years is posed by the relatively small number of available dedicated propulsion systems. This Special Issue will host a selection of advanced developments in the field, related to any kind of micro-propulsion concept.

Authors are encouraged to submit manuscripts on analytical, numerical, design, test or integration activities of micro-propulsion system for small spacecraft. Proposed papers can either relate to the complete system or specific component (nozzle, thruster, valves, sensors, tank, power conditioning, propellant, fluidic lines, etc.). Contributions on chemical, cold gas, electric or electro-thermal propulsion are welcome, as well as advanced propulsion concept.

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Message from the Editor-in-Chief

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