



Plasma Physics in Space Electric Propulsion

Guest Editors:

Prof. Dr. Emilio Martines

Department of Physics "G.
Occhialini", University of Milano-
Bicocca, 20126 Milan, Italy

Dr. Matteo Zuin

Consorzio RFX, 35127 Padova,
Italy

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Message from the Guest Editors

Dear Colleagues,

Plasma physics issues are crucial for the design and optimization of efficient electric thrusters for space applications. Such thrusters are going to become the standard for a wide range of missions spanning from small-scale satellites control to ambitious interplanetary missions. However, a full understanding of the processes occurring in the different plasma regimes and of the interaction of the plasma with thruster structures is mandatory to achieve the expected advantages in terms of performance and reliability.

In this Special Issue, we invite submissions exploring the plasma physics issues related to electric propulsion and plasma acceleration both from a theoretical and experimental point of view. Ideally, it could become a tool for scientists of different communities to explore the open problems from different perspectives and also for the propulsion community to become more aware of the different approaches adopted to tackle them. For these reasons, survey papers and reviews are also warmly welcome.

Dr. Emilio Martines

Dr. Matteo Zuin

Guest Editors





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
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