



Advanced Space Power Systems

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Deadline for manuscript
submissions:

closed (20 July 2021)

Message from the Guest Editors

This Special Issue covers electrical power systems for space applications and is open for submission now. The topics include but are not limited to the following:

Electrical power management systems design methodology and optimization;
Direct energy transfer and DC/DC converters architectures and design for solar array Regulators;
DC/DC converters and other systems for non-solar energy transformation applications (e.g., thermoelectric systems, etc.); Energy storage systems (battery cells, supercapacitors, etc.) and electronics to monitor, protect, and interface them;
Electrical distribution and protection systems;
Radiation testing of devices and systems including wide bandgap devices for power electronics;
Electrical power supply system design for payloads (imaging equipment, sensitive instruments, etc.) and for electrical propulsion including, high-power RF sources;
High-voltage designs, including travelling wave tubes, cathode supplies in electrical propulsion, and specialized payloads.





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Message from the Editor-in-Chief

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