

Special Issue

Advanced Space Power Systems

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.

Guest Editors

Dr. Pablo Fernandez Maja

Power Supply Systems Group, Department of Electrical, Electronic, Computers and Systems Engineering, University of Oviedo, Oviedo, Asturias, Spain

Dr. Enrique Maset Sancho

Department of Electrical Engineering, University of Valencia, Valencia, Spain

Deadline for manuscript submissions

closed (20 July 2021)



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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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