

Call for Papers for the Special Issue on Wireless Power in Space

Submission Opening: 1 January 2026

Submission Deadline: 1 July 2026

Publication Date: November 2026

This special issue will publish a collection of papers related to wireless power-beaming in space. With renewed interest in space-based solar power (SSP) systems and on-going demonstrations and projects around the world, we seek high-quality tutorials, surveys, and cutting-edge research papers related to the following areas of space-based power beaming and supporting technologies:

Topics Include

small sats/cubesat demos	orbital security and space debris
wireless/microwave power transfer	packaging and assembly in space
technological and policy for promoting SSP	energy collection concepts and designs
education at all levels	high-powered microwave and mm-wave sources
comparative energy economics	space-hardening / in-space system performance
energy, space, environmental policy makers	thermal management in space
SSP channel modeling/wireless system design	SSP manufacturing
array technology for power transmission	environmental impact / planetary sustainability
terrestrial power-beaming technology	pilot beam design for wireless power systems
antenna and solar integration	PaddleSat navigation and solar sailing
additive manufacturing for space	ultra-thin, low area density spacecraft
SSP communication interference studies	array calibration
reflectarrays for power transmission	radiation resistance in electronics
additively manufactured electronics in space	high-volume launch systems
transmission modulation, multiple access, freq.	wireless power distribution (all forms)

Accepted papers will also be invited for presentation at a special session in IEEE Wireless in Space and Extreme Environments (IEEE WiSEE) 2026 in Leuven, Belgium, 14-16 September 2026.

For submission guidelines and manuscript templates, please visit the journal webpage: <https://bit.ly/J-WPTechnologies>. Send additional enquiries about the special issue and/or conference invite to durgin@gatech.edu.



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