

Call for Papers
IEEE Aerospace and Electronic Systems Magazine

Special Issue on
Exploration Mission-1 and Deep Space CubeSats

A set of CubeSats will be secondary payloads, accompanying an un-crewed Orion Multi-Purpose Crew Vehicle, on the Exploration Mission-1 (EM-1) launch of the Space Launch System in 2020. These EM-1 CubeSats will carry science and technology payloads to help pave the way for future human exploration in deep space, including journeys to Mars. These small 6U satellites, with an approximate size of 6 liters and equipped with an array of novel technologies, will go to destinations that will include the surface of the moon, the orbit of the moon and into the deeper space. The objective of the missions, collectively, is to address Strategic Knowledge Gaps (SKG) for human exploration, as defined by NASA.

This Special Issue will describe the EM-1 CubeSat missions along with the technology that makes them possible.

Key Topic Areas

- Exploration Mission-1 CubeSat missions
- CubeSat experiments that address Strategic Knowledge Gaps for human exploration
- Novel technologies associated with EM-1 CubeSat missions
- Operational topics including communications and navigation

Submission and review of manuscripts are handled via the IEEE AESS Magazine's online system at <https://sysaes.msubmit.net>. Information on paper submission and the requisite contents for a full paper are available on that website, under Author Instructions. Manuscripts will be peer reviewed according to the standard IEEE AESS process.

Important Dates

- Manuscript submission to the guest editor: Sep 30, 2018
- First review completed: Feb 28, 2019
- Revised manuscript due: May 30, 2019
- Second review completed: Aug 30, 2019
- Final manuscript due to the IEEE: Oct 30, 2019

Guest Editors

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