



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, on the Exploration Mission-1 (EM-1) launch of the Space Launch System in the fall of 2018. These EM-1 CubeSats will carry science and technology investigations 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. Technology that supports the communications of these CubeSat missions with the Deep Space Network will also be described.

Key Topic Areas

- Exploration Mission-1 CubeSat missions
- Communications technology in support of the EM-1 CubeSat missions
- In-situ resource utilization by EM-1 CubeSat missions

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. Page limit for this special issue is 8 published magazine pages.

Important Dates

- Manuscript submission deadline: October 15, 2017
- Tentative publication issue: November 2018

Guest Editors

- Dr. Faramaz Davarian – Jet Propulsion Laboratory, USA – davarian@jpl.nasa.gov
- Prof. Yang Gao – University of Surrey, UK – yang.gao@surrey.ac.uk
- Dr. Peter Kinman – California State University Fresno, USA – pkinman@csufresno.edu