

Call for Membership to the Geologic Mapping Subcommittee (GEMS) of the Mapping and Planetary Spatial Infrastructure Team (MAPSIT)

Summary

The Mapping and Planetary Spatial Infrastructure Team (MAPSIT) invites individuals from the planetary science community to apply for membership in the Geologic Mapping Subcommittee (GEMS). To respond to this solicitation, a 2-page curriculum vitae and 250-word statement of interest is needed by July 1, 2022. Applicants need not be a member of MAPSIT to apply. Please submit application materials via email to Jeannette Luna at jluna@tntech.edu.

2022 Reformulation of GEMS

Rationale: The planetary science community is entering a phase of exploration that is unprecedented in terms of the diversity of bodies being explored, the number of operating orbital and landed spacecraft, and the types and spatial resolutions of data being acquired by instruments on those spacecraft. The integrity of returned science and the safety of upcoming orbital and landed missions necessitate a modern consideration of the needs of geologic maps for both fundamental and applied scientific endeavors.

Intent: The 2022 reformulation of GEMS will facilitate communication between and among planetary scientists, MAPSIT, NASA HQ, and the U.S. Geological Survey (USGS). GEMS topics of discussion may include current opportunities and obstacles in planetary geologic mapping, map standardization, digital mapping techniques, dataset needs and requirements, and the overall planetary data ecosystem. A copy of the MAPSIT GEMS operational charter is available at: [https://www.lpi.usra.edu/mapsit/reports/GEMS Charter 2022 v6.docx](https://www.lpi.usra.edu/mapsit/reports/GEMS_Charter_2022_v6.docx)

Call for Members

Eight to ten GEMS members will be selected in 2022 to represent the programmatic, scientific, and technical diversity of the planetary science community. GEMS members will be asked to serve a term of 2 to 4 years with term renewals available for 3-year increments. Idealized membership will include the following: (1) Chairperson; (2) Terrestrial Bodies representative(s); (3) Small Bodies representative(s); (4) Outer Planet Satellites, Ocean Worlds, and Dwarf Planets representative(s); (5) USGS Planetary Mapping Geologic Group representative; and (6) Student/Early Career representative. The MAPSIT Steering Committee will be cognizant of and guided by diversity, equity, and inclusion of under-represented groups when making their selections for GEMS membership.

Application

Requirements: Members should demonstrate expertise in some (and a familiarity in all) of the following: (1) research experience on one or more planetary bodies beyond Earth; (2) handling and analysis of diverse planetary datasets; (3) remote- and field-based geologic mapping; (4) mission operations; (5) analog activities; and (6) geographic information systems (GIS).

Materials: Applicants should submit a 2-page curriculum vitae and 250-word statement of interest to the MAPSIT Planetary Geologic Mapping Representative, Jeannette Luna (jluna@tntech.edu) by July 1, 2022.

Selections and Notifications

Applications for GEMS membership will be reviewed and voted upon by the MAPSIT Steering Committee in August of 2022. Applicants will be notified of the outcome no later than August 15, 2022.