April 2022 Newsletter

Greetings from Your Planetary Sciences Section Leadership!

Start your engines! It’s time to submit proposals for AGU Fall Meeting 2022. Proposals for general scientific sessions, union sessions, innovations, town halls and scientific workshops are due 20 April and can be submitted here.

If you have any ideas for areas that you would like to see the Planetary Sciences Section involved in, please reach out and let us know. We look forward to hearing from you.

Michael Mischna, President
Paul Byrne, President-Elect
Jennifer Whitten, Secretary
Emma Dahl, Early Career representative
An Li, Student representative
Rosaly Lopes, Past President

Upcoming Deadlines & Events

Upcoming Deadlines

• ROSES-2021: Rolling Submissions
  • Several program will transition to No (Fixed) Due Dates (NoDD):
    • Emerging Worlds (EW)
    • Solar System Workings (SSW)
    • Planetary Data Archiving, Restoration, and Tools (PDART)
    • Exobiology (ExoBio)
    • Solar System Observations (SSO)
• Planetary Instrument Concepts for the Advancement of Solar System Observations (PICASSO)
• Laboratory Analysis of Returned Samples (LARS)

Upcoming Conferences (all conferences virtual unless otherwise noted)

• 13-15 April 2022: Handling and Manipulation of Small Extraterrestrial Samples, Purdue University, West Lafayette, Indiana
• 25-29 April 2022: Advancing IDEA in Planetary Science

Planetary Sciences Announcements/Updates

#1) GLEE Workshop: Sending LunaSats to the Moon

Dear Colleagues,

Want to send a LunaSat to the surface of the Moon? So do we! Join the Great Lunar Expedition for Everyone (GLEE) and your team could have the opportunity to do so. GLEE is in its second workshop phase, and we are now accepting teams of students from all over the world! Your first step to become a GLEE participant is to apply for the upcoming GLEE Remote Team Workshop!

GLEE is a mission to land 500 LunaSats (small spacecraft about the size of a Post-it note) on the Moon in 2023 to conduct both science and technology missions. GLEE is led by Colorado Space Grant Consortium at the University of Colorado, Boulder, and is currently supported by NASA’s Artemis Student Challenges.

GLEE’s goal is to engage students around the world by giving them the opportunity to work with hardware and code that could one day be sent to the Moon. We are working towards securing a ride to the Moon. We will let participants know as soon as our flight is confirmed and teams that complete this remote workshop will be offered flight hardware for the full GLEE mission.

After a successful in-person workshop in October 2021, GLEE is now offering a self-guided version of the experience for interested students and faculty to work hands-on with their very own LunaSat. In this workshop, we walk through 10 modules that explore the functionality of the LunaSat. Teams will receive support through the modules via virtual office hours and email to receive help. This program is FREE to all participants.

GLEE Remote Workshop Information:
Application Link: https://tinyurl.com/GLEE-2022-APP
Applications Open: 17 February 2022
Applications Close: 4 April 2022
Application Status Notification: 22 April 2022

Team Requirements:
• Teams must have a mentor
• Teams must be students in high school, or at a 2 or 4 year college/university

General Logistics:
• If accepted, your team will be sent a “GLEE Kit” which will have two LunaSats and additional materials to go through the modules
• A link to the video modules will be sent to teams
• Support resources will be sent to teams to help support teams through the modules

Part 1 of the application will take less than 5 minutes to complete. Upon completion of Part 1, teams will receive details on how to submit Part 2, which will take ~20 minutes to complete.

Part 1 collects basic information from teams that wish to be a part of the GLEE project. Part 2 collects more detailed information about the team and its plans for participation with GLEE. In order to be considered for GLEE, teams shall complete both Part 1 and Part 2 of the application. Part 1 AND Part 2 of the application shall be completed by 4 April 2022, at 12 PM MDT.

In addition, up-to-date information can be found on our website, glee2023.org, or across our social media accounts listed below. We would love your help to get the word out about this opportunity! Please let us know if there is any additional information we could send you to help you do that.

To the Moon,
The GLEE Team

Contact: info@glee2023.org
Website: GLEE2023.org
Twitter: @GLEE2023
Instagram: @GLEEMission2023

#2) JPL Job Opening Pasadena, CA: Research Scientist, Origin of Life/Prebiotic Chemistry

The Jet Propulsion Laboratory, California Institute of Technology invites applications for a staff Scientist in the Laboratory Studies group in the Planetary Science Section at JPL. In this position, you will conduct origin of life/prebiotic chemistry experimental studies and related astrobiology research. You will also participate in mission formulation activities, with an emphasis on mission concepts involving Ocean Worlds and Mars life detection/habitability. It is expected that the successful candidate will develop an independently funded research program and will pursue new lines of
research focusing on experimental origin of life research and life detection. You will be expected to publish in peer-reviewed journals and give talks at national and international conferences.

**This position requires the following qualifications:**
- Ph.D. in Chemistry with focus on synthetic organic and/or organometallic chemistry or related technical or scientific discipline
- Experience with experimentation on and analysis of complex organic biological molecules in a planetary context, including mineral / metal driven catalysis of organics.
- Experience in the design, construction and operation of novel experimental systems to address astrobiology questions, esp. high pressure systems; Experience with sample handling and analysis of oxygen sensitive materials.
- Demonstrated professional reputation as a productive researcher with a track record of publications in peer-reviewed journals and presentations at national and/or international conferences
- Familiarity with/ongoing participation in the astrobiology community, and in relating experimental studies and techniques to mission relevant strategic efforts

**The following qualifications are preferred:**
- 3-5 years of related post-doc experience
- Demonstrated ability to work in a team of experimental scientists
- Experience coordinating experiments and analysis between institutes / NASA centers / local universities and non-profits
- History of writing successful external research funding proposals
- Excellent oral (including public speaking) and written communication skills

To view the full description of this unique opportunity and apply, please visit this website.

**Applications received by 25 April 2022 will receive full consideration.**


The link to last month’s issue of JGR: Planets can be found here. Articles starting with (OA) are published with open access. Below are the articles published last month:


