

# Mars Exploration Science Monthly Newsletter

A publication of the Mars Program Office and the Mars Exploration Program Analysis Group (MEPAG)

May 2022

## Mars Science News

**MEPAG 39 Presentations Available and Follow-Up Survey:** Presentations from MEPAG 39, including lightning talk slides, are now available at the LPI MEPAG website, with links embedded in the meeting agenda at the following link:

<https://www.lpi.usra.edu/mepag/meetings/mepag-39/Agenda.pdf>

If you attended MEPAG 39, either in person or virtually, please take a moment to complete a short post-meeting [survey](#) to provide your feedback. This will allow MEP and LPI to adapt and improve your experience for future MEPAG meetings.

## **ROSES-22 Amendment 19: Martian Moons eXploration mission Participating Scientist**

**Program Final Text and Due Dates:** The Martian Moons eXploration (MMX) mission Participating Scientist Program (MMX-PSP) will support scientists at U.S. institutions to participate on the MMX mission, which the Japan Aerospace Exploration Agency (JAXA) is developing for launch in 2024. ROSES-2022 program element C.24 MMX-PSP solicits proposals for science investigations to be carried out during the primary flight and post-flight phases that significantly enhance the overall knowledge obtained from the MMX mission and that address outstanding questions directly related to mission objectives. Two categories of investigations are solicited in this call: Instrument Science and Sample Science.

ROSES-2022 Amendment 19 releases final text and due dates for MMX-PSP, which was previously listed as TBD. Mandatory NOIs are due June 16, 2022, and proposals are due August 16, 2022.

On or about May 16 2022, this Amendment to the NASA Research Announcement "Research Opportunities in Space and Earth Sciences (ROSES) 2022" (NNH22ZDA001N) will be posted on the NASA research opportunity homepage at

<http://solicitation.nasaprs.com/ROSES2022> and will appear on SARA's ROSES blog at:

<https://science.nasa.gov/researchers/sara/grant-solicitations/roses-2022/>

Questions concerning MMX-PSP may be directed to Thomas S. Statler at [thomas.s.statler@nasa.gov](mailto:thomas.s.statler@nasa.gov)

## **2022 Post-Doctoral Fellow - Geophysical Techniques for Off-World Resource Surveys:**

Join NASA, Defense Innovation Unit and USGS to explore new techniques to find off-world resources. A new post-doctoral position will lead teams from all three Agencies, testing techniques to detect sub-surface resources off-world. You will use your expertise in physics, engineering, geophysics or geology to design experiments in a regolith testing lab, using assets from NASA Earth Exchange, NASA Space Science Division laboratory facilities, SSERVI lunar lab, USGS spectral libraries, and the USGS UAS Research/Engineering lab.

POCS: Jonathan Stock (USGS National Innovation Center), Jennifer Heldmann (NASA Ames Research Center), Nirav Patel (Defense Innovation Unit)

Apply at the following website begin the journey!

<https://www.usgs.gov/centers/national-innovation-center/science/2022-post-doctoral-fellow-geophysical-techniques-world>

**Near-term Due Dates (next three months)**

Due	Conference
May 27	<b>Planetary Science Informatics and Data Analytics</b> – Registration Deadline
May 31	<b>International Astronomical Union (IAU)</b> – Registration Deadline
June 6	<b>European Astronomical Society Annual Meeting</b> – Registration Deadline
June 13	<b>Optimizing Planetary In Situ Surface-Atmosphere Interaction Investigation</b> – Registration Deadline – In Person
July 1	<b>Optimizing Planetary In Situ Surface-Atmosphere Interaction Investigation</b> – Registration Deadline - Virtual

**Upcoming Conferences**

- Note that for civil servants and those under contract with NASA, foreign and NASA-sponsored conferences generally need to be forecasted via NCTS. Forecasting to NCTS is usually due 60 days in advance for domestic meetings. If you are unsure whether an event is a conference or not, or when the deadline may be, please consult with your NASA Center conference forecasting/travel unit.
- **The situation for COVID-19 continues to evolve, so here are conferences with both in-person and virtual formats. It is advisable to check with the websites of the conference and confirm with the organization of any changes.**

**2022**

	May 15-20, 2022 Atlanta, GA USA	<b>AbSciCon 2022</b> <a href="https://www.agu.org/abscicon">https://www.agu.org/abscicon</a>
	May 17-19, 2022 Washington, D.C., USA	<b>The Humans to Mars Summit (H2M)</b> <a href="#">H2M Summit</a>
	May 17-20, 2022 Alamosa, Colorado	<b>The 7<sup>th</sup> International Planetary Dunes Workshop</b> <a href="https://www.hou.usra.edu/meetings/dunes2022/">https://www.hou.usra.edu/meetings/dunes2022/</a>
	May 22-27, 2022 Chiba, Japan	<b>Japan Geoscience Union Meeting 2022</b> <a href="https://tinyurl.com/jpgumeeting">https://tinyurl.com/jpgumeeting</a>
<b>NEW</b>	June 1-2, 2022 Virtual	<b>6<sup>th</sup> COSPAR – Refining Planetary Protection Requirements for Humans</b> <a href="#">6th COSPAR (Virtual)</a>
	June 5-11, 2022 Quy Nhon, Vietnam	<b>Planetary Science: The Young Solar System</b> <a href="https://www.icisequynhon.com/conferences/2022/planetary_system/index.html">https://www.icisequynhon.com/conferences/2022/planetary_system/index.html</a>
	June 12-17, 2022 Golden Colorado, USA	<b>Ground Penetrating Radar (GPR 22)</b> <a href="https://learn.mines.edu/gpr2022/">https://learn.mines.edu/gpr2022/</a>
	June 14-17, 2022 Paris, France	<b>7th Mars Atmosphere Modelling &amp; Observations</b> <a href="http://www-mars.lmd.jussieu.fr/paris2022/">http://www-mars.lmd.jussieu.fr/paris2022/</a>
	June 21-23, 2022 Madrid, Spain	<b>Planetary Science Informatics &amp; Data Analytics Conference</b> <a href="https://www.cosmos.esa.int/web/psida-2022/home">https://www.cosmos.esa.int/web/psida-2022/home</a>
	June 27-July 1, 2022 Valencia, Spain	<b>European Astronomical Society Annual Meeting</b> <a href="https://eas.unige.ch/EAS2022/index.jsp">https://eas.unige.ch/EAS2022/index.jsp</a>
	June 28-July 1, 2022 Boise, Idaho	<b>Optimizing Planetary In Situ Surface-Atmosphere Interaction Investigation</b> <a href="https://www.hou.usra.edu/meetings/planetinsitu2022/">https://www.hou.usra.edu/meetings/planetinsitu2022/</a>
	July 4-8, 2022 Oxford, UK	<b>Rocky Worlds II</b> <a href="https://www.rockyworlds.org">https://www.rockyworlds.org</a>

	July 16-24, 2022 Athens, Greece	<b>COSPAR 2022 44<sup>th</sup> Scientific Assembly</b> <a href="https://www.cosparathens2022.org/">https://www.cosparathens2022.org/</a>
	July 25-29, 2022 Hybrid/Pasadena, CA, USA	<b>2022 Sagan Summer Workshop: Exoplanet Science in the Gaia Era</b> <a href="https://nexsci.caltech.edu/workshop/2022/">https://nexsci.caltech.edu/workshop/2022/</a>
	August 2-11, 2022 Busan, Korea	<b>International Astronomical Union (IAU)</b> <a href="https://www.iau.org/science/meetings/future/2600/">https://www.iau.org/science/meetings/future/2600/</a>
	September 12-16, 2022 Coimbra, Portugal	<b>10<sup>th</sup> IAG International Conference on Geomorphology</b> <a href="https://www.icg2022.eu/home.html">https://www.icg2022.eu/home.html</a>
	September 18-23, 2022 Granada, Spain	<b>Europlanet Science Congress (EPSC)</b> <a href="https://www.europlanet-society.org/european-planetary-science-congress/">https://www.europlanet-society.org/european-planetary-science-congress/</a>
	November 7-13, 2022 Edinburgh, Scotland	<b>Forming and Exploring Habitable Worlds</b> <a href="https://www.habitableworlds.co.uk">https://www.habitableworlds.co.uk</a>

Seasons on Mars

	MY36	MY37	MY38	MY39
Start of Northern Spring / L <sub>s</sub> 0	02/07/2021	12/26/2022	11/12/2024	09/30/2026
Start of Northern Summer / L <sub>s</sub> 90	08/25/2021	07/13/2023	05/29/2025	04/17/2027
Start of Northern Autumn / L <sub>s</sub> 180	02/24/2022	01/12/2024	11/29/2025	10/17/2027
Start of Northern Winter / L <sub>s</sub> 270	07/21/2022	06/07/2024	04/25/2026	03/12/2028

U.S. Federal holidays to consider when scheduling conferences/workshops/meetings



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Please send Mars Community Announcements and calendar items for inclusion in next month's newsletter to:

Barbara Saltzberg at [Barbara.a.Saltzberg@jpl.nasa.gov](mailto:Barbara.a.Saltzberg@jpl.nasa.gov)

This newsletter (and all previous months') is also posted on the MEPAG website: <http://mepag.jpl.nasa.gov>

If you wish to withdraw from the electronic mailing list that this newsletter is sent out to, please send an email from your email account to [mepag-removesignup@jpl.nasa.gov](mailto:mepag-removesignup@jpl.nasa.gov).

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