

Mars Exploration Science Monthly Newsletter

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

January 2019

Mars Science News

MEPAG Virtual Meeting #4: February 25, 11:00AM – 2:00PM PST

The 4th Virtual MEPAG meeting will occur on Monday, February 25 from 11:00AM to 2:00PM PST. Preliminary agenda items include a progress report from the Ice and Climate Evolution Science Analysis Group (ICE-SAG), initial discussions on Decadal Survey white paper preparations, and if available, any budget news from NASA. The first circular, including the agenda and connectivity instructions, will be posted on <https://mepag.jpl.nasa.gov/meetings.cfm>. To attend this meeting, go to <https://jpl.webex.com/jpl/j.php?MTID=m6ed60d2a4fcca4bad345794d63499472>. Meeting Number (access code): 906 628 020.

All members of the Mars exploration community are invited.

Upcoming Mars Special Issues Welcoming Paper Submissions

Planetary and Space Science has approved a special issue on “Amazonian Mars: Climate & Processes,” with submissions accepted November 1, 2018 to February 28, 2019. Papers that describe the climate history as well as geological and environmental processes that pertain to the Amazonian period of Mars’ history, which includes the present-day, are solicited. The Amazonian period encompasses the most recent 3 billion years of Mars history, which has strongly shaped the evolution of the surface that we now observe. This special issue was prompted by the recent Mars Workshop on Amazonian and Present-day Climate (<https://www.hou.usra.edu/meetings/amazonian2018/>). Submissions are welcome from the community. The lead guest editor is John Moores (York University). More information is available at: <https://www.journals.elsevier.com/planetary-and-space-science/call-for-papers/special-issue-on-amazonian-mars-climate-processes>.

The joint JGR special issue, “Studies of the 2018/Mars Year 34 Planet-Encircling Dust Storm”, is accepting submissions until March 1, 2019. Papers pertaining to observations and atmospheric modelling of this particular storm, its influence on the atmosphere and surface of Mars and the physics of Martian dust storms are encouraged. Submissions are sought from mission and instrument teams and the broader scientific community. The editor is Scott Guzewich. Papers can be submitted through the GRL, JGR-Planets or JGR-Space Physics submission websites shown below:

https://grl-submit.agu.org/cgi-bin/main.plex?form_type=home

https://jgr-planets-submit.agu.org/cgi-bin/main.plex?form_type=home

https://jgr-spacephysics-submit.agu.org/cgi-bin/main.plex?form_type=home

ICARUS Special Issue on Current and Recent Landscape Evolution on Mars is accepting papers starting March 1, 2019. Articles that address the debate on plausible agents of Mars landscape change under current or relatively-recent conditions are welcome. This special issue was prompted by the recent Late Mars Workshop (<https://www.hou.usra.edu/meetings/latemars2018/>). More information on the call for papers is available at:

<https://www.journals.elsevier.com/icarus/call-for-papers/current-recent-landscape-evolution-on-mars>




Near-Term Due Dates (next three months)

Due	Project
January 15	New Quests in Stellar Astrophysics IV: Astrochemistry, Astrobiology and the Origin of Life - Abstract Deadline
January 18	Mars Extant Life: What's Next? - Registration Deadline
January 23	2019 Astrobiology Science Conference (AbSciCon) - Abstract Deadline
January 24	IEEE Aerospace Conference - Registration Deadline
January 24	The Space Astrophysics Landscape for the 2020s and Beyond - Abstract Deadline
January 31	Workshop on In-Situ Exploration of the Ice Giants - Early Registration Deadline
February 8	Lunar ISRU 2019 - Developing a New Space Economy Through Lunar Resources and Their Utilization - Registration Deadline
February 8	NASA Fundamental Physics Workshop - Abstract Deadline
February 10	European Week of Astronomy and Space Science (EWASS 2019) - Very Early Registration Deadline
February 12	Asia Oceania Geosciences Society (AOGS) - Abstract Deadline
February 15	Ocean Worlds 4 - Abstract Deadline
February 15	New Quests in Stellar Astrophysics IV: Astrochemistry, Astrobiology and the Origin of Life - Registration Deadline
February 15	2019 IAA Planetary Defense Conference - Early Registration Deadline
February 15	Global Conference on Space for Emerging Countries (GLEC) 2018 - Early Registration Deadline
February 18	50th Lunar and Planetary Science Conference - Early Registration Deadline
February 26	Applied Space Environments Conference (ASEC) 2019 - Abstract Deadline
February 27	Workshop on In-Situ Exploration of the Ice Giants - Late Registration Deadline
February 28	European Geosciences Union General Assembly 2019 - Early Registration Deadline
February 28	70th International Astronautical Congress (IAC) - Abstract Deadline
March 1	The Space Astrophysics Landscape for the 2020s and Beyond - Early Registration Deadline
March 3	European Week of Astronomy and Space Science (EWASS 2019) - Abstract Deadline
March 6	9th International Conference on Mars - Indication of Interest Deadline
March 8	NASA Fundamental Physics Workshop - Early Registration Deadline
March 8	International Planetary Probe Workshop 2019 - Abstract Deadline
March 14	The Pluto System After New Horizons (PSANH) - Indication of Interest Deadline
March 16	50th Lunar and Planetary Science Conference - Registration Deadline
March 18	The Space Astrophysics Landscape for the 2020s and Beyond - Registration Deadline
March 24	Life3E: Search for Life from Early Earth to Exoplanets - Registration Deadline
March 31	13th IAA Low-Cost Planetary Missions Conference - Abstract Deadline

Upcoming Conferences and Workshops

Notes about NASA travel forecasting for the events in this calendar:


- Beginning January 7, 2019, only domestic NASA sponsored conferences and foreign conferences will need to be submitted into the NASA Conference Tracking System (NCTS).
- Please do not assume our noting of NCTS numbers is complete. If you are unsure about the NCTS number, a forecasting deadline or whether an event is classified as a “conference”, please consult with your NASA Center.
- Missing NCTS numbers and forecasting deadline updates can be sent to Barbara Saltzberg (Barbara.A.Saltzberg@jpl.nasa.gov)
- If no deadline is noted, it is usually 60 days in advance for domestic meetings. It may be further in advance for “Heavily Attended” conferences.

First Quarter, 2019		
New!	January 23-24, 2019 Vienna, Austria	COSPAR Planetary Protection Panel Open Session https://cosparhq.cnes.fr/content/cospar-planetary-protection-panel-open-session-23-24-january-2019-vienna-austria-0
	January 29-February 1, 2019 Carlsbad, NM, USA	Mars Extant Life: What's Next? , NCTS 35763-1 https://www.hou.usra.edu/meetings/lifeonmars2019/
	January 29-31, 2019 Houston, TX, USA	20th Meeting of the NASA Small Bodies Assessment Group , NCTS 35910-19 https://www.lpi.usra.edu/sbag/meetings/
New!	February 4-8, 2019 Florence, Italy	XV Congresso Nazionale di Scienze Planetarie http://www.iaps.inaf.it/attivita/convegni/planetologia/
New!	POSTPONED February 5-6, 2019 Washington, DC, USA	POSTPONED: Tentatively Rescheduled for April 23-24 Outer Planets Assessment Group (OPAG) Meeting , NCTS 37399-19 https://www.lpi.usra.edu/opag/meetings/upcoming/
	February 7-8, 2019 Scottsdale, AZ, USA	Women in Space , NCTS 36591-19 http://www.womeninspacecon.com/
	February 20-22, 2019 Columbia, MD, USA	Lunar ISRU 2019 - Developing a New Space Economy Through Lunar Resources and Their Utilization , NCTS 37120-19 https://www.hou.usra.edu/meetings/lunarisru2019/
	February 25-27, 2019 Provence, France	Workshop on In-Situ Exploration of the Ice Giants , NCTS 36673-19 https://ice-giant-workshop.lam.fr/
	March 2-9, 2019 Big Sky, MT, USA	IEEE Aerospace Conference , NCTS 35072-19 https://aeroconf.org/
	March 7-10, 2019 Norman, OK, USA	International Continental Drilling Program Workshop - Probing Continental Climate of the Late Paleozoic Icehouse-Greenhouse Transition https://www.icdp-online.org/ <i>May be of interest to researchers studying continental dust and evaporite deposits.</i>
	March 18-22, 2019 The Woodlands, TX, USA	50th Lunar and Planetary Science Conference , NCTS 35124-19 https://www.hou.usra.edu/meetings/lpsc2019/
	March 25-29, 2019 Quy Nhon, Vietnam	Life3E: Search for Life, from Early Earth to Exoplanets , 37411-19 https://icisequynhon.com/conferences/2019/search-for-life/
	March 26-28, 2019 Washington, DC, USA	NASEM's Committee on Astrobiology and Planetary Science (CAPS) http://sites.nationalacademies.org/SSB/SSB_067577#Meetings_and_Events
	March 31-April 5, 2019 Puerto Vallarta, Mexico	New Quests in Stellar Astrophysics IV: Astrochemistry, Astrobiology and the Origin of Life , NCTS 36683-19 https://www.inaoep.mx/~puerto19/

Second Quarter, 2019

	April 1-3, 2019 Potomac, MD, USA	The Space Astrophysics Landscape for the 2020s and Beyond , NCTS 36044-19 https://www.hou.usra.edu/meetings/landscape2019/
	April 7-12, 2019 Vienna, Austria	European Geosciences Union General Assembly 2019 , 34792-19 https://egu2019.eu/ <i>Research Topic GM1.5/PS1.2: Planetary Geomorphology</i>
	April 8-10, 2019 Washington, DC, USA	NASA Fundamental Physics Workshop , NCTS 37189-19 http://www.cvent.com/events/nasa-fundamental-physics-workshop-2019/event-summary-1184d1a484b14e4ca66c889e9dfecbbd.aspx
New!	April 24-26, 2019 Marrakech, Morocco	Global Conference on Space for Emerging Countries (GLEC) 2019 http://www.iafaastro.org/events/global-series-conferences/glec-2019/
	April 29-May 3, 2019 Washington, DC, USA	2019 IAA Planetary Defense Conference , NCTS 36743-19 http://pdc.iaaweb.org/
New!	May 12-17, 2019 Los Angeles, CA, USA	Applied Space Environments Conference (ASEC) 2019 , 35845-19 https://sti.usra.edu/ASEC2019/
	May 14-16, 2019 Washington, DC, USA	The Humans to Mars Summit , NCTS 37163-19 https://h2m.exploremars.org/
	May 20-21, 2019 Berlin, Germany	2nd European Physics Conference https://www.meetingsint.com/conferences/europhysics
	May 21-23, 2019 Houston, TX, USA	Ocean Worlds 4 , NCTS 37400-19 https://www.hou.usra.edu/meetings/oceanworlds2019/
New!	May 21-23, 2019 Manchester, United Kingdom	European Lunar Symposium , 37167-19 https://els2019.arc.nasa.gov
New!	June 3-5, 2019 Toulouse, France	13th IAA Low-Cost Planetary Missions Conference , NCTS 37764-19 http://lcpm.iaaweb.org/
	June 3-7, 2019 Heidelberg, Germany	Planetary Dynamics 2019 http://www2.mpia-hd.mpg.de/homes/dynamics2019/
	June 9-13, 2019 St Louis, MO, USA	234th Meeting of the American Astronomical Society , NCTS 36771-19 https://aas.org/meetings/aas234
	June 10-13, 2019 Boulder, CO, USA	50th Annual Meeting of the Division of Dynamical Astronomy (DDA) of the AAS , NCTS 37161-19 https://dda.aas.org/meetings/2019
	June 11-14, 2019 Golden, CO, USA	10th Joint Meeting of the Space Resources Roundtable (SRR) and the Planetary and Terrestrial Mining Sciences Symposium (PTMSS) , NCTS 37406-19 http://www.isruinfo.com/
	June 18-19, 2019 Coimbra, Portugal	International Meeting on Paleoclimate: Changes and Adaptation https://paleoclimate2019.wixsite.com/paleoclimate2019 <i>Research Topic T1: Paleoclimates in the Solar System: external forcing and divergent evolutions</i>
	June 18-20, 2019 Flagstaff, AZ, USA	4th Planetary Data Workshop , NCTS 37520-19 https://www.hou.usra.edu/meetings/planetdata2019/
	June 24-28, 2019 Bellevue, WA, USA	2019 Astrobiology Science Conference (AbSciCon) , NCTS 36103-19 https://connect.agu.org/abscicon/home
	June 24-28, 2019 Lyon, France	European Week of Astronomy and Space Science (EWASS 2019) http://eas.unige.ch/EWASS2019/call.jsp
	June 30-July 4, 2019 Lancashire, England	Royal Astronomical Society 2019 National Astronomy Meeting https://nam2019.org/

Third Quarter, 2019

	July 8-12, 2019 Oxford, United Kingdom	International Planetary Probe Workshop 2019 , NCTS 36747-19 https://ippw2019.uk/
	July 14-18, 2019 Laurel, MD, USA	The Pluto System After New Horizons (PSANH) , NCTS 31320-19 https://www.hou.usra.edu/meetings/plutosystem2019/
	July 22-26, 2019 Pasadena, CA, USA	9th International Conference on Mars , NCTS 31488-19 https://www.hou.usra.edu/meetings/ninthmars2019/
	July 23-25, 2019 Moffett Field, CA, USA	NASA Exploration Science Forum 2019 , NCTS 36800-19 https://nesf2019.arc.nasa.gov/
	July 28-August 2, 2019 Singapore	Asia Oceania Geosciences Society (AOGS) , NCTS 36817-19 http://www.asiaoceania.org/aogs2019/public.asp?page=home.htm
	September 8-12, 2019 Big Sky, MT, USA	The First Billion Years: Habitability: Producing Conditions Conducive to Life , NCTS 28519-20 https://www.hou.usra.edu/meetings/habitability2019/
	September 10-12, 2019 Irvine, CA, USA	NASEM's Committee on Astrobiology and Planetary Science (CAPS) http://sites.nationalacademies.org/SSB/SSB_067577#Meetings_and_Events
New!	September 10-13, 2019 Rome, Italy	International Association of Sedimentologists (IAS) http://iasroma2019.org/ <i>Session 7.14 Planetary Sedimentary Geology: from remote sensing and in-situ</i>
	September 15-20, 2019 Geneva, Switzerland	Joint Meeting: 51st Meeting of the AAS Division for Planetary Sciences (DPS), joint with the European Planetary Science Congress (EPSC) https://dps.aas.org/meetings/future
	September 22-25, 2019 Phoenix, AZ, USA	2019 GSA Annual Meeting https://www.geosociety.org/GSA/Events/Annual_Meeting/GSA/Events/gsa2019.aspx
	September 30-October 3, 2019 Brasilia, Brazil	Large Meteorite Impacts and Planetary Evolution VI (LMI VI) https://www.hou.usra.edu/meetings/lmi2019/

Fourth Quarter, 2019

	October 21-25, 2019 Washington, DC, USA	70th International Astronautical Congress (IAC) , NCTS 36775-20 https://www.iac2019.org/
	November 4-8, 2019 Herzliya, Israel	The 4th COSPAR Symposium: Small Satellites for Sustainable Science and Development http://www.cospar2019.org/
	December 9-13, 2019 San Francisco, CA, USA	2019 AGU Fall Meeting https://fallmeeting.agu.org/2018/future-meetings/

Seasons on Mars

	MY35	MY36	MY 37
Start of Northern Spring / L _s 0	3/23/2019	2/07/2021	12/26/2022
Start of Northern Summer / L _s 90	10/08/2019	8/25/2021	7/13/2023
Start of Northern Autumn / L _s 180	4/08/2020	2/24/2022	1/24/2024
Start of Northern Winter / L _s 270	9/02/2020	7/21/2022	6/7/2024

Special holidays to consider when scheduling conferences, workshops & meetings

Good Friday	4/19/2019	4/10/2020	4/02/2021	4/15/2022
Rosh Hashanah	9/30/2019	9/19/2020	9/07/2021	9/26/2022
Yom Kippur	10/09/2019	9/28/2020	9/16/2021	10/05/2022
Thanksgiving, Canada	10/14/2019	10/12/2020	10/11/2021	10/10/2022
Thanksgiving, US	11/28/2019	11/26/2020	11/25/2021	11/24/2022
Christmas Day	12/25/2019	12/25/2020	12/25/2021	12/25/2022

Please note that Jewish holidays start at sundown the previous evening.

Editors

Dave Beaty	David.Beaty@jpl.nasa.gov	818-354-7968
Kelly Perry	Kelly.L.Perry@jpl.nasa.gov	818-354-3382
Barbara Saltzberg	Barbara.A.Saltzberg@jpl.nasa.gov	818-354-0226

To submit Mars Community Announcements and calendar items for next month's newsletter, please email Barbara Saltzberg at Barbara.A.Saltzberg@jpl.nasa.gov.

The Mars Exploration Science Monthly Newsletter is available on the MEPAG website, <https://mepag.jpl.nasa.gov/newsletters.cfm>, and via electronic mailing list.

- To join the mailing list, which includes announcements as well as this newsletter, go to <https://mepag.jpl.nasa.gov/emailnewsletters.cfm>.
- To withdraw from the mailing list, please send an email from your email account to: mepag-removesignup@jpl.nasa.gov