

Newsletter 19-57

Issue 19-57, December 15, 2019

+-----CONTENTS-----+

1. OPEN POSITION AT NASA HQ: RESEARCH AND ANALYSIS LEAD, PLANETARY SCIENCE DIVISION
2. WOMEN IN SPACE CONFERENCE
3. LUNAR SURFACE SCIENCE WORKSHOP: SAVE THE DATE
4. HUMANS TO MARS SUMMIT
5. 2020 ANNUAL MEETING OF PLANETARY GEOLOGIC MAPPERS
6. EXPLORATION SCIENCE SUMMER INTERN PROGRAM
7. JOBS, POSITIONS, OPPORTUNITIES

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OPEN POSITION AT NASA HQ: RESEARCH AND ANALYSIS LEAD, PLANETARY SCIENCE DIVISION

Announcement open: 12/16 - 12/18.
Apply at USAJOBS using announcement number HQ20H0002.

NASA is pleased to announce that we will fill the position of Research and Analysis (R&A) Lead of the Planetary Science Division (PSD) in the Science Mission Directorate. The PSD R&A Lead position will be a Direct Hire Authority announcement through USAJOBS and therefore, it will only be open for 3 days (December 16-18, 2019). No earlier than December 16, 2019, you will be able to find a detailed description of this position and additional information on qualifications and application procedures, by visiting:

<https://www.usajobs.gov> [1]

and searching for announcement number HQ20H0002.

The vitality of NASA science programs is dependent upon the best people working for and with the Science Mission Directorate, so we would like to encourage each of you to apply to this opportunity. With your help, we can continue to make exceptional progress for the planetary science community.

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WOMEN IN SPACE CONFERENCE

May 6-8, 2020 Canadian Space Agency Headquarters, Saint-Hubert, Quebec

Abstracts are due December 20, 2019

Women in Space 2020 is an opportunity for scientists and engineers to showcase their work in the field of space and planetary science. The event highlights the achievements of women and non-binary researchers, while offering an opportunity to discuss, challenge, network, and support their peers.

Supporting #WomenInSTEM is the prime goal of this event.

We encourage geologists, geophysicists, engineers, geographers, astrobiologists, chemists, physicists, astronomers, social scientists, and any other people of all genders working or researching in a related field to submit an abstract, or simply attend to join in on the discussion.

Fill out our [Indication of Interest form](#) [2] to be added to the mailing list for updates!

Interested in becoming a sponsor? [Contact us](#) [3] for more information.

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LUNAR SURFACE SCIENCE WORKSHOP: SAVE THE DATE

NASA is planning a human return to the Moon's surface by 2024 as a large next step in human exploration of the Solar System.

NASA's Science Mission Directorate, Human Exploration and Operations Mission Directorate, and Science and Technology Mission Directorate are co-sponsoring a three-day workshop to actively engage the scientific community in order to determine what science could be done by human crews on the lunar surface and how it can be achieved. This workshop will be held April 28-30, 2020 in the Denver, Colorado area.

IMPORTANT: To be added to the mailing list to receive pertinent information about this workshop and to indicate your interest in participating, please submit an Indication of Interest:

https://www.hou.usra.edu/meeting_portal/iofi/?mtg=lunarsurface2020 [4]

A workshop announcement, with abstract submission details, will be released later this month.

<http://www.hou.usra.edu/meetings/lunarsurface2020> [5]

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HUMANS TO MARS SUMMIT

Early registration for the 2020 Humans to Mars Summit (H2M) is now open. H2M 2020 will be held on May 12-14, 2020 at the prestigious and historic National Academy of Sciences Building in Washington, D.C.

Tentative speakers already include Jim Green, Lori Glaze, Alan Stern, Ellen Stofan, Mat Kaplan, Penelope Boston, Lisa Pratt, and many others

H2M 2020 will present the latest on such topics as:

- Are missions to the Moon by 2024 and Mars by 2033 achievable?
- How will the 2020 Mars Rover advance the goal of getting humans to Mars?
- If we find life on Mars, what next?
- The innovation of Mars and the benefits to Earth
- Mars and workforce development: Young professional panel
- Cities in space: Mars student competition
- Advancing Mars through cubesats
- Traveling to Mars: A panel of astronauts discuss the opportunities and challenges of human explorers on Mars.

Register today at:

<https://www.exploremars.org/> [6]

Early registration available until January 31, 2020.

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2020 ANNUAL MEETING OF PLANETARY GEOLOGIC MAPPERS

June 16-18, 2020, Denver, Colorado.

The purpose of the annual meeting of planetary geologic mappers is to report progress on NASA-funded geologic mapping projects. Other planetary geologists who are conducting geologic mapping are also welcome to attend. The meeting serves as a venue to discuss problems and issues relevant to the planetary mapping community. Findings are determined from plenary discussion sessions and then presented to the MAPSIT Steering Committee to forward to NASA Headquarters Program Officers. The meeting usually includes a GIS Q&A session with USGS scientists, and this year will include a discussion of potential next generation of maps required for future landings and exploration on the Moon and Mars.

IMPORTANT: To be added to the mailing list to receive pertinent information about this workshop and to indicate your interest in participating, please submit an Indication of Interest by February 16, 2020.

<https://www.hou.usra.edu/meetings/pgm2020/> [7]

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EXPLORATION SCIENCE SUMMER INTERN PROGRAM

The Lunar and Planetary Institute (LPI) is hosting a special summer intern program to involve students in activities that support missions to the Moon that utilize the Orion crew vehicle, the Deep Space Gateway, and robotic assets on the lunar surface. Activities may involve assessments of landing sites and traverse plans for multiple destinations that are responsive to NASA objectives. The LPI invites applications from graduate students in geology, planetary science, and related programs. [READ MORE »](#) [8]

Application deadline: January 17, 2020

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JOBS, POSITIONS, OPPORTUNITIES

A) STAFF SCIENTIST, CARNEGIE INSTITUTION FOR SCIENCE

The Carnegie Institution for Science (Washington, DC campus) invites applications for a staff scientist in astronomy or planetary science. We are particularly interested in candidates with research emphases in laboratory experiment, theory, or observation of planet formation or (exo)planetary atmospheres. We encourage applications from those interested in cross-disciplinary areas that complement or expand our existing strengths in Earth, planetary, and exoplanet science. Review of applications will begin immediately with a deadline of 18 February 2020.

Please see the full ad at: <https://jobregister.aas.org/ad/00219bbb> [9]

B) RESEARCH ASSISTANT, SCIENCE GRADUATE (IMPACT CRATERING STUDIES)

The Universities Space Research Association's Lunar and Planetary Institute (LPI) invites applications for a Research Assistant, Science Graduate in Impact Cratering Studies. Applicants should have a recent Bachelor's or Master's degree in planetary science, geoscience, astronomy, physics or a related field.

The successful candidate will join Dr. Edgard G. Rivera-Valentín in studying impact cratering on the icy moons of Saturn and our Moon, specifically investigating impact-induced changes in surface composition with implications for Solar System formation. The projects are interdisciplinary in nature and involve numerical simulations of planetary surface processes, as well as spacecraft data analysis and data management. The selected candidate will conduct impact cratering models, crater counts, and studies of cratering morphologies.

Required expertise includes: experience in numerical and statistical techniques,

proficiency in a common astronomy programming language (e.g., IDL, MATLAB, Python), and demonstrated knowledge in impact cratering. Candidates with experience in a wide array of subfields in planetary science (e.g., planetary radar, astrobiology), as well as experience conducting interdisciplinary research across the Solar System are particularly encouraged to apply. [READ MORE](#) [10]

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aaas.org) [11]

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to privacy@aaas.org [12]. The more general AAS privacy policy is available

online at <https://aas.org/about/policies/privacy-policy> [13]. Current and back

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[3] https://urldefense.proofpoint.com/v2/url?u=http-3A__www.womeninspacecon.com_contact&id=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=cLRWQAYP26hrYLy9QIVnS0twLBetL7_xwr8muORxTS4&s=oWimE0qlyC4tHsrGq90_K_h_C4JNYf3OyYBFemRnQSU&e=

[4] https://urldefense.proofpoint.com/v2/url?u=https-3A__www.hou.usra.edu_meeting-5Fportal_iofi_-3Fm-tg-3Dlunarsurface2020&id=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=cLRWQAYP26hrYLy9QIVnS0twLBetL7_xwr8muORxTS4&s=sawg4Zre9V0ABmcjDBWakJ6vqExUHP0Pp2ZcWS5sdWs&e=

[5] https://urldefense.proofpoint.com/v2/url?u=http-3A__www.hou.usra.edu_meetings_lunarsurface2020&id=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=cLRWQAYP26hrYLy9QIVnS0twLBetL7_xwr8muORxTS4&s=tzmx1dtUi1lp6nOK_Of-0XpFfKsPANK3JErV_mP7ZrU&e=

[6] https://urldefense.proofpoint.com/v2/url?u=https-3A__www.exploremars.org_&id=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=cLRWQAYP26hrYLy9QIVnS0twLBetL7_xwr8muORxTS4&s=wfljvDexLXvdFpYyg7E8GjppW1q90VDDg7TbMf_62Ok&e=

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[14] https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_newsletters&id=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=cLRWQAYP26hrYLy9QIVnS0twLBetL7_xwr8muORxTS4&s=4tWDCmT8KP38YSKJhFsojMIWyqd20z6JwxeB2Lb55U&e=