

## Newsletter 19-51

Issue 19-51, November 11, 2019

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### PLANETARY SCIENCE JOURNAL SCIENCE EDITORS SELF-NOMINATION CALL

The process is underway to select the first Editor for the new Planetary Science Journal (PSJ), but we are also looking for individuals that would like to self-nominate to be considered to be Science Editors that would work with the new PSJ Editor.

Science Editors will perform professional services to facilitate peer review of scientific manuscripts for publication in the PSJ.

This includes:

- Managing the peer-review process for manuscripts assigned to them by the PSJ Editor
- Select and manage the referees assigned to the manuscripts they are responsible for
- Perform their duties consistent with the AAS Code of Ethics
- Meet or exceed the expectation of timelines as defined

by the PSJ Editor

- Attend the annual gathering of AAS scientific editors.

The PSJ SEs will report to the PSJ Editor and the AAS Editor-in-Chief.

The term of a Science Editor is 3 years, and is renewable.

Scientific Editors receive a grant of approximately \$15,000 per annum for their services and travel support for their annual meeting.

If you would like to self-nominate for one of these positions, please e-mail the DPS Publications Subcommittee Chair, Ross Beyer ([rbeyer@seti.org](mailto:rbeyer@seti.org) [1]), the following message:

- Subject: PSJ SE self-nomination
- a few sentences about what subject or topic areas you would be interested and capable of supporting as a Science Editor
- curriculum vitae (just a one or two page version is sufficient)

For full consideration, please submit your self-nomination before Nov 22.

If you have any questions please contact the DPS Publication Subcommittee Chair, Ross Beyer ([rbeyer@seti.org](mailto:rbeyer@seti.org) [1]), or the AAS Editor-in-Chief, Ethan Vishniac ([ethan.vishniac@aas.org](mailto:ethan.vishniac@aas.org) [2]).

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#### ICARUS NEWS: NEW EDITORIAL BOARD MEMBERS

We are pleased to announce two new Editorial Board members of Icarus, Paul Hayne and Mark Wieczorek. We thank our former Editorial Board members Apostolos Christou and Victoria Hansen for their service.

Paul Hayne is an assistant professor of astrophysical and planetary sciences at the University of Colorado Boulder, and a research associate at the Laboratory for Atmospheric and Space Physics. Prior to joining CU in 2018, he was a staff scientist at NASA's Jet Propulsion Laboratory, where he served in various science and mission leadership roles, including as an Investigation Scientist for NASA's Europa Clipper flagship mission. Dr. Hayne's research focuses on the physics of ice and climate on terrestrial planets and moons, using theoretical models and remote sensing data from spacecraft and ground-based telescopes.

Mark Wieczorek is a senior scientist at the Observatoire de la Côte d'Azur, Laboratoire Lagrange in Nice, France. His research focuses primarily on using geophysical and remotely sensed data to decipher the interior structure and geologic evolution of the terrestrial planets and moons. He has worked with several NASA and ESA led planetary missions, including the orbiting SMART-1 and Chandrayaan-1 lunar X-ray fluorescence spectrometers, the lunar gravity mapping mission GRAIL, the InSight geophysical mission to Mars, NASA's mission to Psyche, and the laser altimeters on the BepiColombo mission to Mercury and JUICE mission to Ganymede. He was the editor-in-chief of the Journal of Geophysical Research Planets from 2011 to 2015.

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AGENDA NOW AVAILABLE FOR THE NEXT MEPAG VIRTUAL MEETING, NOVEMBER 13

The 2nd Informational Circular for the next MEPAG virtual meeting (VM7) will be posted to the meeting website:  
<https://mepag.jpl.nasa.gov/meetings.cfm?expand=vm7> [3]

This document contains the current agenda for VM7, which will be held Wednesday, November 13, 3-5pm EST, as well as WebEx connection information. This meeting is open to all members of the Mars science community, including international colleagues.

Additionally, MEPAG has created a Google spreadsheet to facilitate collaboration and communication regarding community-generated white

papers, as inputs to the next Planetary Science Decadal Survey:

<https://docs.google.com/spreadsheets/d/1EOQRc5kYn5ZglhEuZfEXQVApBpKpXMU-KZajdLm2Gxl/edit#gid=2122227973> [4]

All members of the Mars community are welcomed to view or add information to this spreadsheet: to find additional authors for a white paper topic, to volunteer to assist with a white paper topic, or to share a relevant resource with the community. Additionally, the first tab includes links to other spreadsheets of this sort within the planetary community. We hope this will be a helpful resource for the Mars and general planetary community. If you have questions or comments about this spreadsheet, please contact [mepagmeetingqs@jpl.nasa.gov](mailto:mepagmeetingqs@jpl.nasa.gov) [5]. This spreadsheet, and other MEPAG preparation for the Decadal Survey, will be discussed at VM7.

#### Mars Exploration Science Monthly Newsletter For November 2019

On behalf of Aileen Yingst (MEPAG Chair), Dave Beaty, Rich Zurek, and Serina Diniega of the Mars Program Science Office, the November 2019 edition of the Mars Exploration Science Monthly Newsletter can be found on the web at: <http://mepag.jpl.nasa.gov> [6]

Please send your Mars community announcements and calendar items for inclusion in the newsletter to Barbara at: [Barbara.A.Saltzberg@jpl.nasa.gov](mailto:Barbara.A.Saltzberg@jpl.nasa.gov) [7].

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#### WOMEN IN SPACE CONFERENCE

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. Women in Space Conference is held on May 6-8, 2020, at the Canadian Space Agency Headquarters, Saint-Hubert, Quebec.

Abstract submission deadline: December 20, 2019

<http://www.womeninspacecon.com/abstract-submission> [8]

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#### GBO, NRAO, AND LBO SEEK PLANETARY SCIENTISTS FOR PROPOSAL REVIEW PANELS

The science staff at Green Bank Observatory (GBO) would like to recruit planetary scientists to serve as proposal reviewers for GBO telescopes,



as well as telescopes operated by the National Radio Astronomy Observatory (NRAO), and the Long Baseline Observatory (LBO).

Proposals to GBO, NRAO, and LBO for the scientific use of radio telescopes are evaluated on the basis of scientific merit and technical feasibility using a panel-review system. The system aims to ensure that scientifically knowledgeable peers, representing the broad diversity of the community at large, provide expert proposal evaluations.

In response to community concern that planetary science has been under-represented on previous panels, NRAO, GBO, and LBO are particularly welcoming volunteer panelists who are engaged in Solar System science.

More information on the NRAO/GBO/LBO proposal review process can be found here:

[https://science.nrao.edu/observing/proposal-types/volunteer\\_review](https://science.nrao.edu/observing/proposal-types/volunteer_review) [9]

Please fill out the web form to volunteer here:

<https://www.aoc.nrao.edu/~mclausse/newex.html> [10]

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#### SOFTWARE SYSTEMS FOR ASTRONOMY REGISTRATION OPEN

Please note that registration is now open for the summer school in Software Systems for Astronomy (SSfA-7). The course will take place 20-Jul to 31-Jul, 2020, on the

Big Island of Hawaii. The course covers software design and implementation of telescope and instrument control systems, observation planning tools, and software for analyzing and archiving astronomical data.

If you are not a UHH student, use this link to register:

<https://hilo.hawaii.edu/depts/summer/SummerAdmissions.php> [11]

If you are a UHH student, use this link to register:

<https://hilo.hawaii.edu/depts/summer/SummerCourseRegistration.php> [12]

More information can be found here:

<http://astro.uhh.hawaii.edu/Summer/Summer-2020/summer2020.php> [13]

Interested students are encouraged to fill in this short questionnaire:

<http://132.160.60.71/~aconrad/ssfaQuest.html> [14]

Direct questions to [aconrad@hawaii.edu](mailto:aconrad@hawaii.edu) [15]

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## JOBS, POSITIONS, OPPORTUNITIES

### A) Ph.D. STUDENT OPPORTUNITY IN REGOLITH PROCESSES

Two funded research assistantships are available for students pursuing graduate studies at the University of Maryland, working with Dr. Christine Hartzell. One project will focus on triboelectric charging of lunar regolith and exploration vehicles. A second project will focus on the influence of magnetic forces on avalanches on metallic asteroids with remnant magnetic fields. Both projects will have a strong emphasis on computational modeling, with experimental validation of models following in later years. Students with backgrounds in physics, astronomy, math or engineering are encouraged to apply. For more information, please contact Dr. Hartzell at [hartzell@umd.edu](mailto:hartzell@umd.edu) [16]. UMD is located 15mins from NASA Goddard and 30mins from the Johns Hopkins University Applied Physics Lab, making it a rich location for collaborative planetary science research.

### B) GRADUATE STUDENT RESEARCH OPPORTUNITIES IN PLANETARY SCIENCE AT TULANE UNIVERSITY

The Department of Earth and Environmental Sciences at Tulane University seeks highly motivated students with an interest in pursuing graduate studies in planetary science. Opportunities are available within the general area of planetary surface processes with Dr. Whitten and planetary accretion with Dr. Jackson.

For more information regarding specific research topics, please contact:

Dr. Jennifer Whitten

[jwhitten1@tulane.edu](mailto:jwhitten1@tulane.edu) [17]

<http://whitten.wp.tulane.edu> [18]

or

Dr. Colin Jackson

[cjackson2@tulane.edu](mailto:cjackson2@tulane.edu) [19]

<https://colinjackson.wp.tulane.edu/> [20]

Applications are due December 31, 2019

<https://sse.tulane.edu/academics/graduate/admissions> [21]

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Send submissions to:

Anne Verbiscer, DPS Secretary ([dpssec@aas.org](mailto:dpssec@aas.org) [22])

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To unsubscribe or update your information, please send your request

to [privacy@aas.org](mailto:privacy@aas.org) [23]. The more general AAS privacy policy is available

online at <https://aas.org/about/policies/privacy-policy> [24]. Current and back

issues of the DPS Newsletter can be found at <https://dps.aas.org/newsletters> [25]

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## Links

[1] <mailto:rbeyer@seti.org>

The DPS is a Division of the

- [2] <mailto:ethan.vishniac@aaas.org>
- [3] <https://mepag.jpl.nasa.gov/meetings.cfm?expand=vm7>
- [4] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_docs.google.com\\_spreadsheets\\_d\\_1EOQRc5kYn5ZgIhEuZfEXQVApBpKpXMu-2DKZajdLm2Gxl\\_edit-23gid-3D2122227973&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=IT6VyrMq4qOHR-5xuEazwYZKBrglz66gk4kEmZcp7fc&am&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.google.com_spreadsheets_d_1EOQRc5kYn5ZgIhEuZfEXQVApBpKpXMu-2DKZajdLm2Gxl_edit-23gid-3D2122227973&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=IT6VyrMq4qOHR-5xuEazwYZKBrglz66gk4kEmZcp7fc&am&e=)
- [5] <mailto:mepagmeetingqs@jpl.nasa.gov>
- [6] <http://mepag.jpl.nasa.gov/>
- [7] <mailto:Barbara.A.Saltzberg@jpl.nasa.gov>
- [8] [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.womeninspacecon.com\\_abstract-2Dsubmission&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=BA3sB90AShkBcNnL-mDoiFSX1BB4rJnQV4k4FjflzJE&am&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.womeninspacecon.com_abstract-2Dsubmission&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=BA3sB90AShkBcNnL-mDoiFSX1BB4rJnQV4k4FjflzJE&am&e=)
- [9] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_science.nrao.edu\\_observing\\_proposal-2Dtypes\\_volunteer-5Freview&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=vFo7LKXt05rpLVdNECj9cEaq0HJ\\_hbeVYXQ2-khuDD4&am&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__science.nrao.edu_observing_proposal-2Dtypes_volunteer-5Freview&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=vFo7LKXt05rpLVdNECj9cEaq0HJ_hbeVYXQ2-khuDD4&am&e=)
- [10] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_www.aoc.nrao.edu\\_-7Emclausse\\_newex.html&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=VEk3h1I1URyvKcCHDE4n99eqOnGcoeeVJPgvKENgQc&am&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.aoc.nrao.edu_-7Emclausse_newex.html&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=VEk3h1I1URyvKcCHDE4n99eqOnGcoeeVJPgvKENgQc&am&e=)
- [11] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_hilo.hawaii.edu\\_depts\\_summer\\_SummerAdmissions.php&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=MfTReleRb3SXosVRGQwwFSx6ezJfmsa\\_NB7jg\\_HMSPU&am&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__hilo.hawaii.edu_depts_summer_SummerAdmissions.php&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=MfTReleRb3SXosVRGQwwFSx6ezJfmsa_NB7jg_HMSPU&am&e=)
- [12] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_hilo.hawaii.edu\\_depts\\_summer\\_SummerCourseRegistration.php&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=TQ5kb4aOg4N7CcMsTWmb\\_2zhuSaZzhz0f30iYVneljA&am&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__hilo.hawaii.edu_depts_summer_SummerCourseRegistration.php&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=TQ5kb4aOg4N7CcMsTWmb_2zhuSaZzhz0f30iYVneljA&am&e=)
- [13] [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_astro.uhh.hawaii.edu\\_Summer\\_Summer-2D2020\\_summer2020.php&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=CrU\\_YeSZFanjsOB1lvIKqE-ualLbvdJWxhw-YRNJa6s&am&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__astro.uhh.hawaii.edu_Summer_Summer-2D2020_summer2020.php&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=CrU_YeSZFanjsOB1lvIKqE-ualLbvdJWxhw-YRNJa6s&am&e=)
- [14] [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_132.160.60.71\\_-7Eaconrad\\_ssfaQuest.html&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=nfua6gSoUBvSj54Kvm0J8rqAGYviwNBYaHkVijGXGE4&am&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__132.160.60.71_-7Eaconrad_ssfaQuest.html&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=nfua6gSoUBvSj54Kvm0J8rqAGYviwNBYaHkVijGXGE4&am&e=)
- [15] <mailto:aconrad@hawaii.edu>
- [16] <mailto:hartzell@umd.edu>
- [17] <mailto:jwhitten1@tulane.edu>
- [18] [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_whitten.wp.tulane.edu&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=wE8UIhASftPImwT-3nbqCuV39fcPWg4rP50rrbcqnCM&am&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__whitten.wp.tulane.edu&am&d=DwMGaQ&am&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am&m=tmsf8ss0EAMH0nrLxltUQLK2vj0VmXQxJov-6S5UdT0&am&s=wE8UIhASftPImwT-3nbqCuV39fcPWg4rP50rrbcqnCM&am&e=)
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