

Newsletter 20-02

Issue 20-02, January 12, 2020

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NASA PLANETARY SCIENCE ADVISORY COMMITTEE NOMINATIONS

Dear Colleagues:

The Planetary Science Advisory Committee (PAC)
(<https://science.nasa.gov/nac/science-advisory-committees/pac> [1])

supports the advisory needs of the Planetary Science

Division (PSD), the Science Mission Directorate (SMD) and other mission directorates

as required, and the NASA Administrator. The advisory scope of the PAC includes

all aspects of NASA's planetary science program, including scientific research;

considerations of the development of near-term enabling technologies, systems,

and computing and information management capabilities; and developments with

the potential to provide long-term improvements in future mission operational systems.

Responsibility for biological planetary protection is outside the purview of the PAC.

NASA's PSD is extending the invitation for nominations for service on the PAC.

Interested members of the community are invited to review the charter and to submit nominations (including self-nominations) for consideration to fill vacancies on the Committee.

The following information is required to be included as part of each self-nomination package:

- (1) a cover email including the name, phone number, full mailing and email address of the nominee;
- (2) a professional resume (one-page maximum, included as an attachment); and,
- (3) a professional biography (one-page maximum; included as an attachment).

To be considered by NASA, nomination packages from interested U.S. citizens must be submitted via email to the Executive Secretary of the Planetary Science Advisory Committee at pac-execsec@hq.nasa.gov [2]. Submissions must be submitted as a single package that contains the cover email and both required attachments, and "Planetary Science Advisory Committee" must be included in the subject line of the email. Paper-based documents (hard-copies) will not be accepted. The deadline for NASA receipt of all public nominations is March 31, 2020.

Self-nomination packages that do not include the three (3) mandatory elements listed above will not receive further consideration by NASA.

The following qualifications/experience are highly desirable in nominees, and should be clearly presented in their self-nomination packages:

- At least 5 years post-Ph.D. research experience including publications in the planetary science field, or comparable experience;
- Leadership in scientific and/or education and public outreach fields as evidenced

by award of prizes, invitation to national and international meetings as speaker, organizer of scientific meetings/workshops, or comparable experience;

- Participation in NASA programs either as a member of a NASA mission science team, Research and Analysis program, membership on an advisory/working group or a review panel, or comparable experience;
- Good knowledge of NASA programs in planetary science, including the latest NASA Science Plan (available as a link from <http://science.nasa.gov/about-us/science-> [3] strategy/); and,
- Knowledge of the latest Decadal Survey conducted by the National Academies or other relevant advisory reports for planetary science.

Nominees from any category of organizations or institutions within the U.S. are welcome, including, but not limited to, educational, industrial, and not-for-profit organizations, Federally Funded Research and Development Centers (FFRDCs), University Affiliated Research Centers (UARCs), NASA Centers, the Jet Propulsion Laboratory (JPL), and other Government agencies. Nominees need not be presently affiliated with any organization or institution.

This invitation for nominations is to fill upcoming vacancies on the PAC in mid-2020. There may also be member vacancies from time to time, and NASA will consider self-nominations to fill such unexpected vacancies as well. Nominees will only be contacted should a vacancy be available, and it is judged that their area(s) of expertise is appropriate for that specific vacancy. NASA is committed to selecting members to serve on the committee based on their individual expertise, knowledge, experience, current/past contributions to the relevant subject area and overall diversity of the committee. These appointments are non-compensated. These are not full-time positions. Successful nominees will be required to attend meetings of the committee approximately two or three times a

year, either in person (NASA covers travel-related expenses for this non-compensated appointment) or via telecon and/or virtual meeting medium. All successful nominees will be required to submit confidential financial disclosure forms and undergo conflict of interest reviews by the NASA Office of the General Counsel, before their appointment can be finalized. Once appointed, successful nominees will be required to complete FACA training and annual ethics briefings. Successful nominees who are not U.S. Government employees will be formally appointed as Special Government Employees (SGEs).

Lori S. Glaze

Director, Planetary Science Division

Stephen Rinehart

Acting Director, Planetary Science Research and Analysis

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ICE GIANT SESSION AT EGU: ABSTRACT DEADLINE JANUARY 15

Dear Colleagues,

The 2020 EGU conference will be held in Vienna on 3-8 May. I would like to invite you to submit a paper to the Session PS5.1 Ice Giant System Exploration. We welcome papers on all aspects of the exploration of the ice giant systems, including potential future mission concepts, instrumentation, and technologies.

Session Description: This session welcomes abstracts addressing the exploration of ice giants systems, including the internal structure, and atmosphere composition, structure, and processes of the ice giants, as well as ice giant magnetospheres, satellites, and rings. Potential concepts for future ice giant system exploration, instrumentation, technology developments, and international cooperation are also of high interest.

Convener: David H. Atkinson

Co-conveners: Sushil K. Atreya, Patrick Irwin, Olivier Mosis, Amy Simon

To submit an abstract, go to <https://meetingorganizer.copernicus.org/EGU2020/sessionprogramme#PS5> [4],

navigate to PS5.1 and click on the link Abstract submission.

The deadline for abstract submission 15 January 2020, 13:00 CET.

Please note that EGU has a One-Abstract Rule: First Authors are limited to one submitted abstract at EGU.

We look forward to seeing you in Vienna in May!

With best regards,
Dave Atkinson, Olivier Mosis, Amy Simon, Sushil Atreya, Patrick Irwin

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AOGS 2020: SESSION PS03: TO THE MOON TO STAY: THE ARTEMIS ERA

Dear Colleagues,

At the upcoming AOGS 2020 conference in South Korea from 28 June to 4 July we will have the opportunity to discuss future activities on the Moon by the international community. This series of talks will discuss how we can develop a sustained, ongoing human presence on the Moon, eventually leading to human missions to Mars. In this session, contributed presentations will focus on four major themes: new lunar science, human exploration, in-situ resource utilization, and sustainability. Such a long-term presence on the Moon will require new types of infrastructure and methods for constructing it. These new ways to live and work on another planetary body are the cornerstone of future exploration of the Solar System. So let's get this discussion going.

Presentations covering any aspect in this thematic chain are encouraged. Please note that the abstract submission deadline is 21 January 2020.

Go to: <http://www.asiaoceania.org/aogs2020/public.asp?page=abstract.asp> [5]

Jim Green, David Draper, and Greg Schmidt

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AGS2020 SESSION PS-09: PLANETARY DATA IN THE BIG DATA ERA - ARCHIVES, TOOLS, AND INTERNATIONAL COLLABORATIONS

Asia Oceania Geosciences Conference 2020

June 28 - July 4, Sono Belle Vivaldi Park, Hongcheon, Korea

Conference website: <http://www.asiaoceania.org/aogs2020/public.asp?page=home.html> [6]

Abstract deadline: January 21, 2020

This session is about all aspects related to planetary science data science, including but not limited to, archiving standards, archive organizations, data services and accessibilities, indexing and searching, data mining and manipulation, and applications of big data technology and artificial intelligence in data analysis. Data is the blood of planetary science. Enormous volumes of data are being generated every day in planetary science researches. Data technologies are playing more and more important roles in planetary researches, especially in the big data era. Long-term preservation and unrestricted sharing of all planetary data have been recognized to be essential for the development of researches and rapid generations of new knowledge. A number of data archiving organizations are currently running and providing archiving services to a broad variety of data covering almost all aspects of planetary researches. This session provides us

with a forum to present and discuss the new developments in the related activities, technologies, and concepts related to planetary science data to facilitate effective and efficient planetary data archiving and sharing around the globe in the future.

Conveners: Jian-Yang Li (Planetary Science Institute, USA), Sebastien Besse (ESA), Ludmilla Kolokolova (University of Maryland, USA), Yukio Yamamoto (JAXA), Young-Jun Choi (KASI)

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JWST WORKSHOP AT NORTHERN ARIZONA UNIVERSITY

Northern Arizona University (NAU) in Flagstaff, AZ in coordination with the Space Telescope Science Institute (STScI) will host a James Webb Space Telescope (JWST) Workshop on February 18th and 19th, 2020! The workshop focus will be JWST observation proposals for Solar System targets*. Registration is now open, and the deadline is January 31. This workshop is free but space is limited, so please register promptly.

The workshop at NAU is one of three workshops that will be held in Arizona. The University of Arizona in Tucson and Arizona State University in Tempe will be leading workshops in early March, and will focus on extra-Solar System targets. Please visit the [website](#) [7] to learn more about the workshop and register, and if you have any questions, please feel free to contact us at jwst.nau@gmail.com [8].

*Note: All observers are welcome to attend, not just those who do Solar System science.

Thanks so much, and we hope to see you in February!

-Audrey Martin and Lauren McGraw

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SMALL BODIES NODE USERS GROUP

The Small bodies node Users Group (the SmUG): The Small Bodies Node of the NASA Planetary Data System is constituting a users group to represent the interests of the SBN user community, test new products, and provide input for the SBN's future development. The user group will replace the SBN Advisory Council as its primary deliberative user body, and will be comprised of a small number of sitting members who will rotate on for staggered, three-year terms, with the intention of maintaining a balance of diversity that crosses small body related disciplines and levels of career development. The group will meet half-days twice per year on the margins of major meetings, such as the AAS-DPS and LPSC meetings. Individuals who are interested in joining are encouraged to contact gerbsb@umd.edu [9].

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JOBS, POSITIONS, OPPORTUNITIES

A) ARECIBO OBSERVATORY SCIENTISTS

The Arecibo Observatory (AO) in Puerto Rico, preeminent for its research in astronomy, planetary studies, and space and atmospheric sciences, is home to the world largest and most sensitive single dish radio telescope. Arecibo enables world-class radio astronomy, studies of the Earth's atmosphere, and radar observations of solar system bodies. AO, part of the University of Central Florida (UCF), is seeking applicants for two full-time, non-tenure earning, junior level observatory scientists in the Planetary Radar group. The research emphasis of the group is the study and characterization of near-Earth objects and other solar system bodies. The incumbents will be expected to participate in radar observations, data processing, archiving, and modeling of near-Earth asteroids and other solar system bodies with the Arecibo planetary radar system.

The application period is open until January 23rd, 2020. For more information and to apply, go to:

<https://jobs.ucf.edu/en-us/job/498649/observatory-scientist-planetary-radar> [10]

Thank you,

Anne Virkki

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Send submissions to:

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

You are receiving this email because you are a DPS member.

To unsubscribe or update your information, please send your request

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

issues of the DPS Newsletter can be found at <https://dps.aas.org/newsletters> [14]

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Links:

[1] <https://science.nasa.gov/nac/science-advisory-committees/pac>

[2] <mailto:pac-execsec@hq.nasa.gov>

[3] <http://science.nasa.gov/about-us/science->

[4] https://urldefense.proofpoint.com/v2/url?u=https-3A__meetingorganizer.copernicus.org_EGU2020_sessionprogramme-23PS5&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=HLNGB_6BWzAePzCkmPh1OXwUahPHbUAFgTgV1izPOQw&s=CgqR9ExBW_JQwkzsVlpSpYFqO8qZiXZljhsyVsjsQjM&e=

[5] https://urldefense.proofpoint.com/v2/url?u=http-3A__www.asiaoceania.org_aogs2020_public.asp-3Fpage-3Dabstract.asp&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=HLNGB_6BWzAePzCkmPh1OXwUahPHbUAFgTgV1izPOQw&s=oTuoPsRr78XBmH3EWIIdc2GCdwFrtNrsQQ22Wnlaxqk&e=

[6] https://urldefense.proofpoint.com/v2/url?u=http-3A__www.asiaoceania.org_aogs2020_public.asp-3Fpage-3Dhome.html&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=HLNGB_6BWzAePzCkmPh1OXwU

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