

Newsletter 21-30

Issue 21-30, Nov 21, 2021

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DPS SUBCOMMITTEE ON ENVIRONMENTAL AFFAIRS SEEKS NEW MEMBERS

The DPS Subcommittee on Environmental Affairs, whose mission is to advise the DPS Committee and Membership on ways in which our profession can operate in a manner that reduces negative effects on our home planet, is seeking 1 - 3 additional members. Interested DPS members (including junior members) should contact Jack Lissauer, Environmental Affairs Subcommittee Chair, at jack.lissauer@nasa.gov [1], preferably by December 8th.

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DPS ENCOURAGES MEMBERS TO READ AND PROVIDE COMMENTS ON PROPOSED NEW NASA POLICY

The DPS encourages the community to read and provide comments on a proposed new policy that will compel researchers to publish any software that they use for NASA-funded research. Given that this has the potential to create an unfunded mandate for what could be a substantial amount of work, it is important that the community weigh in during this period of open public comment before the policy is

implemented. The request for information is open until February 11, 2022, and we encourage you to read it carefully and provide feedback to NASA.

Request for Information: Implementation and Changes to Science Policy Document (SPD)-41: Science Information Policy

Solicitation Number: NNH22ZDA006L

Release Date: November 19, 2021

Response Date: February 11, 2022

The information produced as part of NASA's scientific research activities represents a significant public investment. NASA holds this information as a public trust to increase knowledge and serve the public good. This information includes publications, data, and software created in the pursuit of scientific knowledge. It is the Science Mission Directorate's policy, consistent with NASA and Federal policy, that information produced from SMD-funded scientific research activities be made publicly available.

The NASA Science Mission Directorate (SMD) requests information about changes and implementation of the SMD Policy Document SPD-41: The Scientific Information Policy. As part of the [NASA Plan for Increasing Access to the Results of Scientific Research](#) [2] and the [Strategy for Data and Computing for Groundbreaking Science 2019-2024](#) [3], SMD recognizes the need to maximize the openness of scientifically-useful information that is produced as part of our research activities while assuring the quality and preservation of that information. As the diverse SMD community has a wide breadth of needs and the policy may have different impacts on that community, SMD is requesting information on the impact of the [proposed changes to SPD-41](#) [4] and about what support, services, training, funding, or further guidance is needed to support the successful implementation of the existing or proposed information policy.

This email announces a Request for Information (RFI) via NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES) that seeks comment/response from the public on SPD-41: Scientific Information Policy and proposed additions to that policy. The full text of the RFI can be found at short URL: <https://go.nasa.gov/RFISPD41> [5]. RFI responses must be submitted via NSPIRES and are due on February 11, 2022.

Please email questions and comments concerning this RFI to HQ-SMD-SPD41@mail.nasa.gov [6], no later than February 2, 2022 at 11:59 Eastern time, with the subject line: "NASA SPD-41 RFI Question/Clarification." Depending on the nature of received questions, NASA may respond on an individual basis by email or may post responses to inquiries in a "Questions and Answers" document available at <https://go.nasa.gov/RFISPD41> [7]. Any posted Q&A will be edited to preserve the anonymity of persons and institutions who submit questions and are intended to address inquiries of broader interest and general clarification.

Notes: Please visit NSPIRES for the full [text](#) [8] before emailing. Additionally, in the event of lapses to the NASA operations, respondents also should visit NSPIRES, the official NASA source for NNH22ZDA006L.

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WORKSHOP: MERCURY'S SURFACE RESPONSE TO THE INTERPLANETARY ENVIRONMENT: IDENTIFYING NEEDED STUDIES IN LABORATORY

Date: 24-27 January 2022

Location: Virtual

Registration is now open at <https://meeting.psi.edu/mercurylab2022/registration/> [9]

Mercury is a complex system of interconnected parts: magnetosphere, exosphere, and surface. How Mercury responds to its interplanetary environment is equally complex. Models help us understand how solar wind and micrometeorites modify Mercury's surface spectral, mineral, and chemical properties and produce the planet's exosphere. This workshop will focus on identifying those processes whose uncertainties hinder our ability to reliably model Mercury's response to the interplanetary environment.

We will discuss the laboratory astrophysics studies, theoretical and experimental, most needed to advance our understanding of Mercury's system. Specific questions to be addressed include:

Day 1 - How do the surface composition, mineralogy, and physical conditions affect the surface release processes and particle environment? (Invited speaker: Prof. Peter Wurz, Universität Bern)

Day 2 - How does the radiative environment affect the lifetime of volatile and refractory elements on the surface of Mercury? (Invited speaker: Dr. Francois Leblanc, Sorbonne Université)

Day 3 - How do ion and electron impacts modify the surface and feed the particle environment? (Invited speakers: Dr. Jim Raines, University of Michigan, and Ms. Cathy Dukes, University of Virginia)

Day 4 - What effects do micrometeoroids have on the Mercury's surface and space environment? (Invited speakers: Dr. Harald Krüger, Max Planck Institute for Solar System Research, and Dr. Lindsay Keller, NASA Johnson Space Center)

The workshop will produce four reports to guide scientific efforts for supporting analysis of BepiColombo data and future missions. It will examine the limitations of current planetary models that build on the underlying laboratory astrophysics data. It will outline the status of laboratory astrophysics studies and what experimental and theoretical work is needed to fully address these limitations.

Registration fee: \$115 USD (through 06 Dec 2021) and \$175 USD (after 06 Dec 2021)

To foster broad participation, some financial support is available for young and/or early career scientists, interested scientists new to the field, and experts not yet involved in Mercury related science topics. To apply for support, please send a short email to Johannes.Benkhoff@esa.int [10] describing your background, providing a few lines about why you would like to attend the workshop, and if possible, indicating the connection of your current or planned work to the BepiColombo mission. Selected applicants will get a registration code and will be informed at least one week before the end of the early registration deadline.

For additional details: <https://meeting.psi.edu/mercurylab2022/> [11]

Send questions to: MercuryLabAstro2022@gmail.com [12]

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OPAG HYBRID TOWN HALL AT AGU FALL MEETING DEC 17, 2021

Date: Friday, December 17, 2021

Time: 11:15-12:15 p.m. CST

Location: Online and at the New Orleans Convention Center, Room 388-390

New Orleans Convention Center

900 Convention Center Blvd.

New Orleans, LA 70130

For more information, see the online program: <https://agu.confex.com/agu/fm21/meetingapp.cgi/Session/141047> [13]

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SBAG EARLY CAREER OPPORTUNITIES

The upcoming NASA Small Bodies Assessment Group meeting will be held virtually on 24 – 25 January 2022. There will be multiple presentation opportunities at this meeting specifically for the early career small body community including invited early-career speakers and lightning talks. Applications for invited talks are due via email by COB (5 pm Eastern Time) by 19 November 2021. Lightning talk submissions are due by COB (5 pm Eastern time) by 17 December 2021.

The steering committee will also implement two new opportunities for SBAG 26: an early-career meeting mentor program and a dedicated Slack space. The SBAG steering committee will pair interested early-career members of the small bodies community with an SBAG meeting mentor to help broaden the networks of early-career researchers and engineers. The Slack will serve as an opportunity to engage in asynchronous discussion related to the meeting. The link to the Slack will be circulated the week prior to the meeting and will be closed the day after the meeting. More details about these opportunities can be found at the SBAG meeting website: <https://www.lpi.usra.edu/sbag/meetings/> [14].

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PLANETARY SCIENCE AND ASTROBIOLOGY DECADAL SURVEY

We are pleased to report that this past week the full text of the Planetary Science and Astrobiology Decadal Survey report was assembled and it will be distributed to reviewers in the near future. We are committed to ensuring on-time delivery of our report in March 2022 so that its recommendations can be incorporated into FY24 budgetary planning.

If you are asked to serve as a report reviewer, we ask that you please give your full consideration to this request. While of course we would prefer that every reviewer comment on the entire report, reviews of portions of the document that address topics with which you are most familiar would be extremely valuable too.

At this time of year especially, we want to express the tremendous gratitude we feel for the efforts and commitment of our colleagues that have contributed and will contribute to this important effort to sustain and further the success of our field. We wish you and yours a wonderful Thanksgiving holiday.

Best regards,

Robin Canup and Phil Christensen, co-chairs

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WORKSHOP DEDICATED TO IN SITU EXPLORATION OF THE GIANT PLANETS

The Conveners are pleased to announce a three-day workshop dedicated to In Situ Exploration of the Giant Planets to be held at JHU/APL on July 12-14, 2022. The in-person workshop focus includes the science, instrumentation and technologies, and mission concepts important for future in situ explorations of giant planet atmospheres, and entry probes as an element of future international giant planet missions.

Information regarding workshop registration, costs, abstract submission will be provided in the First Announcement in January.

Workshop sponsors: Johns Hopkins University Applied Physics Laboratory (JHU/APL), the Laboratory for Astrophysics in Marseille (LAM), and the Lunar and Planetary Institute (LPI).

Conveners: Dr. David H. Atkinson (dhatkinson@gmail.com [15]), Dr. Kathleen Mandt (Kathleen.Mandt@jhuapl.edu [16]), and Dr. Olivier Mousis (olivier.mousis@lam.fr [17])

For more information and to submit an indication of interest, please visit <https://www.hou.usra.edu/meetings/giantplanets2022/> [18]

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JOBS, POSITIONS, AND OPPORTUNITIES

Job seekers and employers are encouraged to [browse DPS's job listings](#) [19] and [advertise open positions](#) [20]. Recent openings and opportunities are listed below and more are at the link above.



A. Positions at Freie Universitaet Berlin for PLATO

<https://dps.aas.org/content/positions-freie-universitaet-berlin-plato> [21]

B. Postdoctoral Scholar in Planetary Science and Exoplanets

<https://dps.aas.org/content/postdoctoral-scholar-planetary-science-and-exoplanets> [22]

C. Senior Scientist for Astrobiology Job Vacancy Announcement - ARC-22-ST-11259044

<https://www.usajobs.gov/GetJob/ViewDetails/617697300> [23]

NASA Ames Research Center (ARC) is currently seeking interested candidates for the Senior Scientist for Astrobiology position. The position reports to the Ames Science Director and is responsible for providing the Center and Agency leadership with expert advice on astrobiology, with a particular emphasis on the science of life detection.

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Send submissions to:

Maria Womack, DPS Secretary (dpssec@aas.org) [24]

You're receiving this email because you are a DPS member. To unsubscribe or update your information, please send your request to privacy@aas.org [25]. The more general AAS privacy policy is available online at <https://aas.org/about/policies/privacy-policy> [26]. Current and back issues of the DPS Newsletter can be found at <https://dps.aas.org/newsletters> [27]

DPS Members mailing list -- dpsmembers@lists.aas.org [28]

To unsubscribe send an email to dpsmembers-leave@lists.aas.org [29]



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- [20] https://www.google.com/url?q=https://dps.aas.org/node/add/job&sa=D&source=editors&ust=1637530500366000&usg=AOvVaw3ltgmcCcwd2_1PTYlz8bdE
- [21] <https://www.google.com/url?q=https://dps.aas.org/content/positions-freie-universitaet-berlin-plato&sa=D&source=editors&ust=1637530500367000&usg=AOvVaw1p-5QWOrsOom2Vg5nMHGUW>
- [22] https://www.google.com/url?q=https://dps.aas.org/content/postdoctoral-scholar-planetary-science-and-exoplanets&sa=D&source=editors&ust=1637530500367000&usg=AOvVaw1W-qwsRqno25WKy_5Ud8ns
- [23] <https://www.google.com/url?q=https://www.usajobs.gov/GetJob/ViewDetails/617697300&sa=D&source=editors&ust=1637530500368000&usg=AOvVaw1HCN4-Aj-850Xep6qefDMc>
- [24] <mailto:dpssec@aas.org>
- [25] <mailto:privacy@aas.org>
- [26] <https://aas.org/about/policies/privacy-policy>
- [27] <https://www.google.com/url?q=https://dps.aas.org/newsletters&sa=D&source=editors&ust=1637530500369000&usg=AOvVaw3xKwQ7nITosvwOpY-ajKqX>
- [28] <mailto:dpsmembers@lists.aas.org>
- [29] <mailto:dpsmembers-leave@lists.aas.org>