

Newsletter 20-18

Issue 20-18, April 26, 2020

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THE 2020 DPS MEMBERSHIP SURVEY IS OUT - CHECK YOUR SPAM FOLDER

All DPS members should have received an email (from DPS Chair Amanda Hendrix with the subject line “2020 Study of Planetary Science”) that contains a unique link to the DPS membership survey. This year, rather than going out to only DPS members, the survey is being sent to additional lists to try to cover an even wider swath of the planetary community. The purpose of the survey is to characterize broad changes (since the last survey), including career and funding trends, and needs of the community. Results will help to inform the Decadal Survey, via white papers.

Please fill out the survey and be represented!

If you have not received the survey, please do check your spam and junk folders as several people have reported finding the survey there.

Thank you!

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LPI VIRTUAL EARLY CAREER PLANETARY NETWORKING EVENT

The Lunar and Planetary Institute continues its Virtual Early Career Planetary Networking Event April 27-May 1. The purpose of this event is to provide early career students and postdocs the opportunity to highlight their research experience and skill sets for potential employers/advisors. Registration has closed for early career students and postdocs but employers/advisors looking to hire in the next year are invited to participate. Each presenter gives a 5 minute lightning talk; presentations take place in the order seen in the program. At the end of each presentation, interested advisors/employers will have a chance to join a presenter in a separate breakout room to hold a private conversation.

The program and link to participate are available on the [LPSC 2020 homepage](#) [1].

Questions? Contact [Andy Shaner](#) [2].

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SMALL BODIES ASSESSMENT GROUP (SBAG) STEERING COMMITTEE POSITIONS OPEN

We are soliciting up to five positions open on the Steering Committee of the Small Bodies Assessment Group (SBAG), with terms starting in August 2020.

The SBAG Steering Committee organizes SBAG meetings, writes the official SBAG findings, and takes a leadership role in other activities where community input on topics of interest is needed. The Steering Committee members should be as diverse as the community, in terms of topical interest (asteroids, comets, meteoroids, TNOs,

KBOs, observational, experimental, computational, sample handling, etc.), demographics, experience, type of employer (commercial, small business, academia, government), and other parameters.

We are looking for members with expertise in the following areas:

- Human Exploration Lead - We desire an individual actively involved in, studying, and aware of Human Exploration and the current challenges and progress in this field to lead related SBAG activities
- At-large members (2 to 4) - Any member of the small bodies community from any career stage is welcome to apply.

Terms are for three years. Application for Steering Committee Membership requires a) a two-page CV, which should include a description of participation in SBAG or other small bodies community organizations, and b) a short (one-page or equivalent) statement of interest. Previous participation in SBAG is preferred, but not required. To indicate your willingness to serve in any of these positions, please email Bonnie Buratti (bonnie.buratti@jpl.nasa.gov [3]) by May 25, 2020, and include a two-page CV and your statement of interest. The current Steering Committee will select new members prior to the 23rd Meeting of SBAG, June 1-2, 2020.

Bonnie Buratti, SBAG Steering Committee Chair

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FIELD TRAINING AND RESEARCH PROGRAM AT METEOR CRATER

The Field Training and Research Program at Meteor Crater is a week-long field class and research project based at Barringer Meteorite Crater, Arizona, more popularly known as Meteor Crater. The goal of the field camp is to introduce students to impact cratering

processes and provide an opportunity to assist with a research project at the crater. Skills developed during the field camp should better prepare students for their own thesis studies

in impact cratered terrains, whether they be on Earth, the Moon, Mars, or some other solar system planetary surface. The next session will take place September 26 through October 4, 2020. The application deadline is June 8, 2020. The details of the program, including information about how to apply, can be found on the [program website](#) [4].

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JOBS, POSITIONS, OPPORTUNITIES

A) LECTURER OF ASTRONOMY AT NORTHERN ARIZONA UNIVERSITY

The Department of Astronomy and Planetary Science at Northern Arizona University seeks a lecturer to teach and develop courses for our growing undergraduate program in astronomy. The successful candidate is expected to teach across a full range of classroom environments, from large introductory lectures to small upper-division courses, and to organize, supervise, and occasionally teach introductory astronomy labs. Responsibilities may also include curriculum development and student mentoring.

Application review begins May 15, 2020. For additional information, please visit:

<https://tinyurl.com/ybuqn6vu> [5]

B) RESEARCH SCIENTIST II AT THE JET PROPULSION LABORATORY

The Jet Propulsion Laboratory invites applications for a Scientist who will bring new expertise to and ensure continuity of existing capabilities at JPL in planetary science. The successful candidate will develop models for the chemical evolution of Europa, Enceladus, Titan, Ganymede, and other ocean worlds in support of the Icy Worlds, Titan, and Vital Signs teams. The candidate will investigate the detailed chemical evolution of Europa's interior and its ice. Perform NASA funded research, including setting up and conducting novel experiments to measure chemical properties and processes applicable to planetary interiors. Investigate the metamorphic evolution of Ceres's rocky mantle and support mission formulation as a subject matter expert on ocean world chemistry.

Qualifications:

- * PhD in geochemistry, planetary geophysics, or a related field.
- * 3-4 years expertise in applying meteoritics, petrology, aqueous geochemistry to problems in astrobiology.

The following qualifications are preferred:

* Knowledge of geophysical forward modeling and inverse theory, high-pressure experimental design and implementation.

Applications are due by May 26, 2020 or until filled and should be submitted at:

<https://jpl.jobs/jobs/2020-11799-Research-Scientist-II> [6]

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aaas.org) [7]

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Links

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[2] <mailto:shaner@lpi.usra.edu>

- [3] <mailto:bonnie.buratti@jpl.nasa.gov>
- [4] https://urldefense.proofpoint.com/v2/url?u=https-3A__www.lpi.usra.edu_exploration_mcFieldCamp_-3Fview-3Dprogram&am; d=DwMGaQ&am; c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am; r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am; m=MLSF0BiGhtm2SKZLq91Dwzkg0u-rl0YfjbSRPfbCjSs&am; s=VcVn9LHAVjNRC-xe1cttZM52AmIVX4SsCikV15_ChUw&am; e=
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- [6] https://urldefense.proofpoint.com/v2/url?u=https-3A__jpl.jobs_jobs_2020-2D11799-2DResearch-2DScientist-2DII&am; d=DwMGaQ&am; c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am; r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am; m=MLSF0BiGhtm2SKZLq91Dwzkg0u-rl0YfjbSRPfbCjSs&am; s=o3DGQ6ScMh9f6wLWsZ-G0507WnVE0Gr8nxtBd3AhaXQ&am; e=
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- [10] https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_newsletters&am; d=DwMGaQ&am; c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&am; r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&am; m=MLSF0BiGhtm2SKZLq91Dwzkg0u-rl0YfjbSRPfbCjSs&am; s=-GGRZezOI-hxLdHUwdNkl-HxU1PmhxcMgxdTak7hr34&am; e=