

Newsletter 22-07

Issue 22-07, March 15, 2022

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LPSC EXIT SURVEY

The Professional Culture and Climate Subcommittee urges DPS members who attended this year’s Lunar and Planetary Science Conference to fill out that conference’s exit survey, which can be accessed at the following URL: <https://www.surveymonkey.com/r/B2HF6KZ> [1]. Participation in such surveys is key to improving future meetings for all attendees and is particularly important as institutions learn how to effectively implement hybrid meetings. The LPSC survey closes on March 21, 2022.

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CELEBRATING CONTRIBUTIONS FROM WOMEN IN ASTRONOMY AND OTHER STEM

The DPS Professional Climate and Culture Subcommittee (PCCS) highlights that March is Women’s History Month. Here are a few recent articles, describing great contributions by women and highlighting some excellent women scientists. Please enjoy!

1. As shared on the AAS Committee on the Status of Women in Astronomy (CSWA) blog, a wonderful writeup by Dr. Chanda Prescod-Weinstein about “Harriet Tubman, Astronomer Extraordinaire”:
<http://womeninastronomy.blogspot.com/2022/03/crosspost-harriet-tubman-astronomer.html> [2] , including a link to a broad project celebrating the bicentennial of Ms. Tubman’s birth.
2. Posted on the AAS Committee on the Status of Minorities in Astronomy (CSMA) is an interview with graduate student Kiersten Boley, who is studying exoplanets at Ohio State University and working with Dr. Jessie Christiansen (Research Scientist at the NASA Exoplanet Science Institute and a DPS Committee member):
<http://astronomyincolor.blogspot.com/2022/02/black-history-month-star-profiles.html#more> [3]
3. The American Association for the Advancement of Science (AAAS) has an intriguing exhibit in Washington DC (March 5-27), with 120 life-sized statues of a contemporary women STEM

innovators and role models leading a variety of fields, from protecting wildlife, discovering galaxies, building YouTube's platform, to trying to cure cancer:

<https://www.aas.org/page/ifthen-ambassadors> [4]

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2022B NASA IRTF CALL FOR PROPOSALS

The due date for the 2022B semester (August 1, 2022 to January 31, 2023) is Friday, April 1, 2022. See our online submission form <http://irtfweb.ifa.hawaii.edu/observing/applicationForms.php> [5], which is available for proposal submission from 12:00AM on March 01, 2022 until 5:00PM on April 01, 2022 HST. Available instruments include: (1) SpeX, a 0.7 – 5.3 micron cross-dispersed medium-resolution spectrograph (up to R=2,500) and imager; (2) MORIS, a 512x512 pixel Andor CCD camera (60"x60" field-of-view) mounted at the side-facing window of the SpeX cryostat that can be used simultaneously with SpeX; (3) iSHELL, a 1.1 – 5.3 micron cross-dispersed echelle spectrograph (up to R=75,000) and imager. Information on available facility and visitor instruments and performance can be found at: <http://irtfweb.ifa.hawaii.edu/instruments> [6]. Exposure time calculators for SpeX and iSHELL are available on the respective instrument webpages.

Please see <http://irtfweb.ifa.hawaii.edu/observing/callForProposals.php> [7] for the full text.

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MAKING SPACE: A WORKSHOP ON SPACE, SCIART, & SOCIETY

Making Space is an in-person multi-day workshop about space, sciart, and making where we use art as a tool to explore scientific concepts and humanity's relationship to space. Participants will learn about how we use spacecraft observations to explore other worlds, how to re-frame those observations in creative ways, do collaborative discussion and art activities, and practice creating sciart through hands-on art labs in a variety of mediums. By the end of the workshop, participants will create their own piece of science-driven art which they will be invited to showcase at an art exhibition later in the year. The workshop is targeted towards an adult audience with backgrounds (professional or otherwise) in art and/or science. Artists, makers, scientists, science communicators, and educators are encouraged to apply!

Applications open for April 15-17, 2022 at the Catalyst Arts & Maker Space in Tucson, AZ. Sign up to be notified for Los Angeles and Denver events. These workshops are supported by NASA's Solar System Exploration Research Virtual Institute (SSERVI).

Website/Contact: <https://trex.psi.edu/making-space> [8], jmolaro@psi.edu [9]

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WORKSHOP TO ENGAGE DIVERSE AUDIENCES IN PLANETARY SCIENCE

Do you want to learn how to engage diverse audiences in planetary science and exploration? Join us for a workshop, which will prepare planetary scientists and informal educators to engage audiences in planetary science and exploration, with an explicit focus on Latinx and Black communities. During the workshop, planetary scientists and informal educators will come together to: collaborate and learn from each other, modify hands-on planetary activities and resources to better engage audiences, learn and share effective practices and strategies to engage Black and Latinx communities, and practice conducting activities using these strategies at a community event, on Saturday April 9.

Times and location: The workshop will take place in meeting rooms on the Arizona State University Tempe campus for the first three days, with a community engagement event in Phoenix on April 9.

Travel Stipends available for participating scientists.

Who: Space is limited to 15 planetary scientists (including graduate students, post-doctoral researchers, and planetary engineers and technicians) and 15 informal educators.

Information at <https://www.lpi.usra.edu/planetary-reach/> [10]

Application form at <https://www.surveymonkey.com/r/299SC62> [11]

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JOBS, POSITIONS, AND OPPORTUNITIES

Job seekers and employers are encouraged to [browse DPS's job listings](#) [12] and [advertise open positions](#) [13].

Recent openings and opportunities are listed below and many more are at the link above.

A. Two Year Postdoc, Earth and Planetary Sciences, University of Rochester

<https://dps.aas.org/content/2-year-postdoctoral-appointment-earth-and-planetary-sciences-university-rochester> [14]

B. Research Fellow in numerical modeling, Curtin University

<https://dps.aas.org/content/research-fellow-numerical-modelling> [15]

C. Mars 2020 Postdoc, Purdue University

<https://dps.aas.org/content/mars-2020-postdoc> [16]

D. Postdoc Position in Planetary/Exoplanet Geophysics, Brown University

<https://dps.aas.org/content/postdoc-position-planetaryexoplanet-geophysics> [17]

E. Assistant Professor of Cosmochemistry, Globe Institute University, Copenhagen

<https://dps.aas.org/content/assistant-professor-cosmochemistry> [18]

F. Postdoc, JPL Ice Spectroscopy Lab

The Ice Spectroscopy Laboratory at NASA Jet Propulsion Laboratory in Pasadena, CA invites applications for a new postdoctoral opportunity in radiation-induced processes.

The research work will involve laboratory simulations of interactions between Solar System bodies and energetic particles such as electrons, protons, and heavy ions (O⁺, S⁺). The work will primarily focus on interactions between energetic electrons and the surface of Europa at temperatures of ~100 K, including sputtering, electron penetration, and the effects of ionizing radiation on organic molecules and microbial life. Expertise in physics and chemistry of radiation and a strong interest to conduct research in these areas is highly desired.

These projects will utilize high-energy electrons, protons, and ions in the keV to MeV range in addition to conventional infrared and ultraviolet spectroscopic and mass spectrometric techniques. Successful candidates should have hands-on experience in similar research activities and should be able to participate in multiple projects. The MeV electron source is located in Gaithersburg, MD, and will require travel to the site (maximum of 6 weeks per year) and should be able to assemble and disassemble equipment to perform experiments. Dr. Bryana Henderson will serve as the JPL postdoctoral advisor to the selected candidate.

Link for more information, and to apply:

https://citjpl.wd5.myworkdayjobs.com/Jobs/job/JPL-Campus/Postdoc-Opportunity---Investigate-Physical-and-Chemical-Effects-of-Radiation--Group-3227_R1575 [19]

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Send submissions to: Maria Womack, DPS Secretary (dpssec@aas.org) [20]

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Links

- [1] [https://www.google.com/url?q=https://urldefense.us/v3/_https://www.surveymonkey.com/r/B2HF6KZ_!!PvBDto6Hs4WbVuu7!djcDeM32KNpq9NMCvc_NFvOt76ij7kcuSlfWikA3drl41KJSpVdxNPKK3qrkjA8oU0cbdCrqkA\\$&sa=D&source=editors&ust=1647396419419128&usg=AOvVaw2uuECW6PuyctKMVhwQO17b](https://www.google.com/url?q=https://urldefense.us/v3/_https://www.surveymonkey.com/r/B2HF6KZ_!!PvBDto6Hs4WbVuu7!djcDeM32KNpq9NMCvc_NFvOt76ij7kcuSlfWikA3drl41KJSpVdxNPKK3qrkjA8oU0cbdCrqkA$&sa=D&source=editors&ust=1647396419419128&usg=AOvVaw2uuECW6PuyctKMVhwQO17b)
- [2] <https://www.google.com/url?q=http://womeninastronomy.blogspot.com/2022/03/crosspost-harriet-tubman-astronomer.html&sa=D&source=editors&ust=1647396419420216&usg=AOvVaw1teYUQ8llqMv2CIT-JZxqg>
- [3] https://www.google.com/url?q=http://astronomyincolor.blogspot.com/2022/02/black-history-month-stellar-profiles.html%23more&sa=D&source=editors&ust=1647396419420674&usg=AOvVaw2qf_RNXtGD7JJHa3BT-oVZ
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- [5] https://www.google.com/url?q=http://irtfweb.ifa.hawaii.edu/observing/applicationForms.php&sa=D&source=editors&ust=1647396419421831&usg=AOvVaw3CbHHicy16OwWAhISW_McJ
- [6] <https://www.google.com/url?q=http://irtfweb.ifa.hawaii.edu/instruments&sa=D&source=editors&ust=1647396419422122&usg=AOvVaw0BZladCm2bBCM8ti8dYtL0>
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- [11] https://www.google.com/url?q=https://www.surveymonkey.com/r/299SC62&sa=D&source=editors&ust=1647396419425168&usg=AOvVaw3tFy6efk2tZKdek1Eo8_EI
- [12] https://www.google.com/url?q=https://dps.aas.org/jobs-list/all&sa=D&source=editors&ust=1647396419425782&usg=AOvVaw2JBJK_q_cdgN0Qi0TvXxAH
- [13] <https://www.google.com/url?q=https://dps.aas.org/node/add/job&sa=D&source=editors&>

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- [14] <https://www.google.com/url?q=https://dps.aas.org/content/2-year-postdoctoral-appointment-earth-and-planetary-sciences-university-rochester&sa=D&source=editors&ust=1647396419426771&usg=AOvVaw29W5sMUXU0U4wkfs6mfr3p>
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- [20] <mailto:dpssec@aaas.org>
- [21] <mailto:privacy@aaas.org>
- [22] <https://aaas.org/about/policies/privacy-policy>
- [23] https://www.google.com/url?q=https://dps.aas.org/newsletters&sa=D&source=editors&ust=1647396419433082&usg=AOvVaw0r_yz-UMwd7e_QK7aAqjtA
- [24] <http://www.simplelists.com/confirm.php?u=ylicEAW4DS1IXghdX09yBI7CdqhngvUq>