Newsletter 18-39

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NASA PLANETARY SCIENCE ADVISORY COMMITTEE (PAC) MEETING

NASA’s Planetary Science Advisory Committee (PAC) will hold a meeting this Wednesday, September 26, 2018 from 1:00-5:00 pm Eastern via telephone and Webex.

The agenda includes: (all times Eastern)

1:00 Opening Announcements (Jonathan Rall)
1:05 PSD Status Report + Q & A (Lori Glaze)
2:00 PSD R & A Status (Jonathan Rall)
2:30 PDCO Update (Kelly Fast)
3:00 Senior Review Update (Bill Knopf)
3:30 GPRA-MA Review and Rating
4:30 Discussion and Findings

5:00 Adjourn

The Webex link is https://nasa.webex.com/ [1]

meeting number is 999 932 505

password is PAC@Sept26 (case sensitive)

Dial-in information:

USA toll free conference number 1-800-779-9966, passcode 5255996

Toll number, 1-517-645-6359, passcode 5255996

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INPUT REQUESTED FOR SOLAR SYSTEM SCIENCE WITH ASTROPHYSICS ASSETS, DEADLINE EXTENDED

A committee has been established to determine what the capabilities are for current/pending/future Astrophysics Assets. This effort follows a number of Solar System working groups that were organized for JWST and WFIRST (among others). Many lessons learned will carry over to other future missions, but requirements or desirments for all wavelengths should be considered in the era of the next large astrophysics mission (e.g. LUVOIR, OST, HabEX, LYNX, etc).

The goal to compile a uniform set of basic capabilities and needs to maximize the yield of Solar System science with future Astrophysics missions while allowing those missions to achieve their Astrophysics priorities.

Here we are seeking input from the community to be considered. All recommendations will be considered and compiled into a report for NASA’s Planetary Science and Astrophysics Divisions to consider.
This is the last chance to provide your input(!) so please fill this form out by OCTOBER 12th.

Form here: [https://goo.gl/forms/U21a1LZ3v3cHtUAP2](https://goo.gl/forms/U21a1LZ3v3cHtUAP2) [2]

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PDS BOOTH AT DPS - INDIVIDUAL TUTORIALS (AND GROUP CLASSES) AVAILABLE

The PDS will have a booth at the DPS meeting to provide PDS support to the scientific community. There will be both scheduled classes in selected topics as well as signup for individual support sessions. Topics will cover all stages of the archive process, from developing and costing a Data Management Plan through getting data through PDS peer review. Finding and using PDS data will also be covered.

Sign up for an individual session to get your specific questions answered, or come to one of the scheduled group sessions: [http://pds-training.psi.edu](http://pds-training.psi.edu) [3]

Available topics:
- Finding PDS Data
- General training on PDS4 (either for missions or R&A archives)
- Data Management Plans for Proposers
- Designing Mission or Project PDS4 Dictionaries
- Archiving your data — Bring your data and we will get you started.
- Using PDS4 data — How is it different and tools to read the PDS4 labels

Contact: Eric Palmer, epalmer@psi.edu [4]

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NEW DATES FOR THE PLUTO SYSTEM AFTER NEW HORIZONS (PSANH) CONFERENCE

The dates for the Pluto System After New Horizons (PSANH), an international science conference on the Pluto system and the Kuiper Belt, have shifted by two
days to July 14-18, 2019 (Sunday through Thursday). The venue remains the same: the conference will be held at the Johns Hopkins University Applied Physics Laboratory in Laurel, MD.

Please mark your calendars accordingly!

Further information on the PSANH Conference is available at:


2019 JANSKY FELLOWSHIP PROGRAM AT NRAO

The Jansky Fellowship Program supports outstanding postdoctoral scientists whose research is broadly related to the mission and scientific goals of the National Radio Astronomy Observatory (NRAO), which operates two world-class research facilities: the Atacama Large Millimeter/submillimeter Array and the Very Large Array.

As a Jansky Fellow, you will have a unique opportunity to contribute to and learn from the development and delivery of the largest and most capable radio telescopes in the world. Research that employs NRAO telescopes in multi-wavelength collaborations is encouraged. Candidates with interests in radio astronomy techniques, instrumentation, computation, and theory are encouraged to apply. Applicants should describe how their research or technical interests couple with NRAO telescopes or science.

Appointments may be made at either of the NRAO sites: Socorro, NM, or Charlottesville, VA. In compelling cases, a ‘split appointment’ Jansky Fellowship split between a university and an NRAO site, or a ‘non-resident’ Jansky Fellowship hosted at a university within the United States may be offered. The deadline for...
2019 Jansky Fellowship Program application materials, including letters of reference, is Thursday, November 1, 2018 at 11:59 pm EDT. Award offers will be made starting in early January 2019. Fellowships normally begin in September 2019. For more information about the Jansky Fellowship Program and instructions on how to apply, please visit the Jansky Fellowship website.

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NASA HUBBLE FELLOWSHIP PROGRAM (NHFP)

On behalf of the NASA Astrophysics Division, the Space Telescope Science Institute (STScI) announces the second annual call for applications for postdoctoral fellowships under the NASA Hubble Fellowship Program (NHFP) #02904, to begin in the Fall of 2019.

The Announcement of Opportunity, which includes detailed program policies and application instructions, is available at the website: http://nhfp.stsci.edu [6]. The application submission page will be open today until November 1, 2018. Please share this employment announcement with your friends, networking groups, mailing lists, and social connections using this link.

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JOBS, POSITIONS, OPPORTUNITIES

A) T. C. CHAMBERLIN POSTDOCTORAL FELLOWSHIP

UNIVERSITY OF CHICAGO

https://dps.aas.org/content/t.c.-chamberlin-postdoctoral-fellowship-0 [7]
The Department of the Geophysical Sciences at The University of Chicago invites applications for the T.C. Chamberlin Postdoctoral Fellowship. We seek outstanding scientists who lead creative investigations into the nature of Earth and other planetary bodies—their physics, biology, chemistry, climate, and history—and who have a desire to participate in the broad intellectual life of the Department and the University. We encourage people with interests in any aspect of the Earth and planetary sciences to apply. To give a sense of the diverse interests of our Chamberlin Fellows, in recent years Fellows have included people whose research focuses on the effect of clouds on climate, asteroid impacts, biogeochemical cycling, and petrology/geochronology.

Start date is negotiable, with a target of October 1, 2019. The initial term of the Fellowships will be one year, renewable for a second year. A competitive salary will be offered, plus benefits. Research funds are also available. Please email a single pdf file containing a CV, a 2-4 page research plan, and names and contact information for at least three references, to:

chamberlin@geosci.uchicago.edu [8] Applicants should also arrange for letters to be sent by their named references to the same address. Consideration of complete applications (those including letters of reference) will begin October 8, 2018, and exceptional applicants will be contacted after review to schedule on campus interviews.

B) POSTDOCTORAL RESEARCH ASSOCIATE

BROWN UNIVERSITY

https://dps.aas.org/content/postdoctoral-research-associate [9]
The Department of Earth, Environmental and Planetary Sciences at Brown University is seeking Postdoctoral Research Associate(s) with a background in planetary geophysics, data analyses, or applied math.

The successful applicant(s) will carry out research on a project selected to match their expertise. Possible research topics include, but are not limited to volcanology, hydrology, tectonics, analysis of lunar gravity data, planetary mantle thermochemical evolution, magnetohydrodynamics, and Solar System and lunar chronology. The research will include quantitative or qualitative analyses of spacecraft data and/or numerical modeling. The applicant will be expected to carry out independent research, give presentations at professional meetings, and prepare publications on the work.

Interested individuals must have a Ph.D. in Planetary Science, Geology, Physics/Astronomy, Mathematics, or a related field. If interested, please send a brief statement of research interests and future research goals along with your CV to Alex Evans at alex.evans@brown.edu. Will be accepting applications on a rolling basis.

For questions or more information, please contact Alex Evans at alex.evans@brown.edu.

C) POSTDOCTORAL POSITIONS

UNIVERSITY OF HAWAI’I AT MANOA

The Reaction Dynamics Group, Department of Chemistry, University of Hawai’i at Manoa, invites applications for postdoctoral positions in the areas
of i) gas phase reaction dynamics and combustion chemistry, ii) condensed phase chemistry (astrochemistry), and iii) planetary sciences (water formation on the Moon). The prime directive of the experimental gas phase studies is to investigate the formation of polycyclic aromatic hydrocarbons (PAHs) in extreme environments (combustion systems; deep space) exploiting crossed molecular beams along with mass spectrometry (QMS; ReTOF) and ion imaging (Hawaii) and a pyrolytic micro reactor (Advanced Light Source, Lawrence Berkeley Laboratory). The condensed phase (ice) studies aim to untangle the formation of complex organic molecules on interstellar nanoparticles by ionizing radiation exploiting fragment free photoionization techniques. The planetary science project seeks to elucidate the formation of water on the lunar surface.

For each position, the appointment period is initially for one year, but can be renewed annually based on availability of funds and satisfactory progress. The salary is competitive and commensurate with experience. Successful applicants should have a strong background in one or more of the following: experimental reaction dynamics, molecular beams, combustion chemistry, UHV technology, pulsed laser systems, low temperature chemistry. Solid communication skills in English (written, oral), a publication record in internationally circulated, peer-reviewed journals, and willingness to work in a team are mandatory. Only self-motivated and energetic candidates are encouraged to apply.

Please send a letter of interest, three letters of recommendation, CV, and publication list to Prof. Ralf I. Kaiser, Department of Chemistry, University of Hawai'i at Manoa, Honolulu, HI 96822-2275, USA [ralfk@hawaii.edu [10]].

The review of applications will start October 1, 2018 and continues until the positions are filled. A description of our current research group can be found at [11]
D) ASSISTANT PROFESSOR – ATMOSPHERIC SCIENCE

UNIVERSITY OF BRITISH COLOMBIA

https://dps.aas.org/content/assistant-professor-atmospheric-science [12]

The Department of Earth, Ocean and Atmospheric Sciences (EOAS) at the University of British Columbia invites applicants for a full-time, tenure-track faculty position at the level of Assistant Professor. Applicants will have a PhD or equivalent experience in a related field and should be investigating processes relating to the field of atmospheric science, with research in the Earth's atmosphere or planetary atmospheres. All aspects of atmospheric science are of interest, including but not limited to, weather patterns and extreme events under climate change, fundamental processes in coupled climate systems, or boundary layer dynamics.

The candidate will be expected to develop a strong, externally funded and internationally recognized research program, successfully supervise graduate students, participate in departmental activities and demonstrate the potential to participate and collaborate in the atmospheric sciences programme. EOAS is dedicated to practicing excellence in teaching and evidence demonstrating interest in innovative teaching methods is desirable, along with demonstrated potential for teaching excellence.

Research and teaching interests in EOAS, the top-ranked and largest Earth Sciences department in Canada, span the history of the Earth and the evolution of its structure from core to stratosphere (http://www.eoas.ubc.ca/ [13]). We seek candidates who complement existing departmental strengths and have capacity and interest in interacting with other research groups both within and outside the department.
Candidates should possess a strong record of research productivity commensurate with their experience.

Applications should include: i) a cover letter, ii) a detailed curriculum vita, iii) a one-page summary of research interests and accomplishments, iv) a one-page outline of a potential five-year research program, v) a one-page statement of teaching philosophy, vi) three recent publications and vii) three (3) letters of reference. Directions for how to submit your application can be found at https://www.hr.ubc.ca/careers-postings/faculty.php [14] posting #31310.

In addition, the names and contact details of three referees should be entered here: https://www.eoas.ubc.ca/content/atscirefsub [15]. We will contact your referees and ask them to submit reference letters. It is the applicant’s responsibility to ensure their referees submit their letters before November 1, 2019.

Review of applications will start November 1, 2018 and applications will be accepted until the position is filled. The successful applicant is expected to start in July 2019 or at a date of mutual agreement. This position is subject to final budgetary approval.

Questions should be directed to the Search Committee Chair, Professor Raymond Andersen, by email at raymond.andersen@ubc.ca [16]

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Send submissions to:
Anne Verbiscer, DPS Secretary (dpssec@aas.org [17])

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