MESSAGE FROM THE CHAIR: DPS 49 RECAP AND REMINDER TO FILL OUT THE EXIT SURVEY

We had a great DPS last month. We had more than 800 registered attendees at the meeting which exceeded our expected number of attendees. There was a great scientific program thanks to all of you sharing your scientific results and thanks to the hard work by the Science Organizing Committee led by David O’Brien. The Local Organizing Committee led by Jani Radebaugh put together fun activities like the geology field trip and the banquet. Thank you, Jani and the LOC!

We also continued our tradition of having a plenary speaker addressing issues of inclusiveness. This year the PCCS arranged a talk about microagression by Dr. William Smith (University of Utah). Dr. Smith went above and beyond by presenting his research area and contextualizing it for our community of planetary science. Thanks for a really informative and engaging talk, Dr. Smith.
We are looking ahead to next year’s DPS meeting and we want to hear from
you about this year’s meeting. Please fill out the survey about the 49th
annual DPS meeting. The link was sent to attendees in an email from the
American Astronomical Society on October 23rd. We want to hear from you!

Cathy Olkin
DPS Chair

NASA EARTH AND SPACE SCIENCE FELLOWSHIP (NESSF) PROGRAM

NASA's Science Mission Directorate announces the call for graduate
fellowship proposals to the NASA Earth and Space Science Fellowship
(NESSF) program for the 2018-2019 academic year. This call for
fellowship proposals solicits applications from accredited U.S.
universities on behalf of individuals pursuing Master of Science
(M.Sc.) or Doctoral (Ph.D.) degrees in Earth and space sciences, or
related disciplines.

The deadline for new applications is February 1, 2018, and the deadline
for RENEWAL applications is March 15, 2018.

The NESSF call for proposals and submission instructions are located at
the NESSF 18 solicitation index page at:

http://nspires.nasaprs.com/ [1]
Click on "Solicitations" then "Open Solicitations" then select the "NESSF 18" announcement.

All proposals must be submitted in electronic format only through the NASA NSPIRES system. The faculty advisor has an active role in the submission of the fellowship proposal. To use the NSPIRES system, the faculty advisor, the student, and the university must all register.

Extended instructions on how to submit an electronic proposal package are posted on the NESSF 18 solicitation index page listed above. You can register in NSPIRES at:

http://nspires.nasaprs.com/ [1]

For further information, contact:

Earth Science:
Claire Macaulay, (202) 358-0151 [2], claire.i.macaulay@nasa.gov [3]

Space Science (Heliophysics, Planetary Science, and Astrophysics):
Marian Norris, (202) 358-4452 [4], mnorris@nasa.gov [5]

WORKSHOP IN GEOLOGY AND GEOPHYSICS OF THE SOLAR SYSTEM

June 23rd-July 1st 2018

Petnica Science Center, Petnica, Serbia

This multi-disciplinary workshop will cover wide range of topics related to the formation, structure and dynamics of the Solar System bodies. The workshop is aimed for students (PhD students, but advanced undergraduate and Master's students are also welcome) and young researchers of various backgrounds and different levels of experience in the fields of planetary science and space exploration. Please visit our website for more info and get in touch if you are interested!

ELS LETTER OF INTENT TO PARTICIPATE

We are pleased to announce that the 6th European Lunar Symposium (ELS) will be held in Toulouse, France May 13-16, 2018. This meeting, organized in partnership with NASA's Solar System Exploration Research Virtual Institute (SSERVI), will cover current advances and prospects in lunar science and exploration in Europe and elsewhere.

Building upon successful previous ELS meetings and acknowledging a growing interest in lunar science exploration worldwide, we anticipate a larger number of participants for ELS 2018. In order to make necessary logistical arrangements, we would like your help (before abstract submission and registration dates are announced) in letting us know before December 1st 2017 about your firm intention to attend ELS 2018.

Please visit the following link to submit your response - European Lunar Symposium (ELS) - 2018 Letter of Intent to Participate
Patrick Pinet (patrick.pinet@irap.omp.eu [7]) and Mahesh Anand (mahesh.anand@open.ac.uk [8]) (On behalf of the ELS Organizers)

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GEOPHYSICAL PLANET DEFINITION (GPD) USERS PAGE

The Geophysical Planet Definition (or GPD) can be stated as "A planet is a sub-stellar mass body that has never undergone nuclear fusion and that has enough gravitation to be round due to hydrostatic equilibrium regardless of its orbital parameters."

We are sampling community usage in GPD. Specifically, we want to know if you as a planetary scientist think that the GPD is a useful planet definition (recognizing that other planet definition may also be useful to you). To that end we've developed a form at:


for those who find GPD a handy definition and who want to help us gauge that interest.

Will Grundy
Tod Lauer
Phil Metzger
Kirby Runyon
Kelsi Singer
Alan Stern

The DPS is a Division of the
Mark Sykes

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LUNAR SCIENCE FOR LANDED MISSIONS WORKSHOP

SSERVI and LEAG, in partnership, are pleased to announce the "Lunar Science for Landed Missions Workshop," January 10-12, 2018, at NASA Ames Research Center. This workshop is intended to produce a set of priority targets for near-term landed missions on the Moon, primarily, but not exclusively, from commercial exploration firms interested in pursuing ventures on the Moon. Abstracts are solicited describing target areas on the Moon for near-term in-situ science, network science, and sample return missions. Abstracts should be up to one page in length and are intended to stimulate discussion about specific targets. This workshop will result in a report to be presented to NASA Headquarters as an initial community consensus of priority landed targets, with the potential of future solicitations for science-focused payloads at such target sites.

Further information on this workshop, along with information on logistics, abstract guidelines and submission, and workshop registration, is available at:

https://lunar-landing.arc.nasa.gov [10]

Abstracts are due on November 10, 2017.
JOBS, POSITIONS, OPPORTUNITIES

A) CORNELL CENTER FOR ASTROPHYSICS AND PLANETARY SCIENCES

RESEARCH SUPPORT SPECIALIST II:

Department mission and background information: Cornell is a private ivy league university and the land grant university for New York State. Cornell Center for Atmospheric and Planetary Science's mission is to discover, preserve, & disseminate knowledge, produce creative works, and promote culture within these sciences throughout the Cornell community. The Center also aims, through public outreach to enhance the lives and livelihoods of our students, the people of New York, and others around the world.

The Cornell Center for Astrophysics and Planetary Science seeks candidates to fill our Research Support Specialist II position. The position is responsible for support of the design, construction, and use of state-of-the-art submillimeter spectrometers for use in astronomy at major observatories. The person is responsible for the design, construction, troubleshooting and repair of cryogenic, mechanical, and electrical systems, management of laboratory activities and observing runs, and the supervision of certain laboratory activities.

The successful candidate must the following skills:

(1) Experience with cryogenics and low temperature refrigerators, including liquid helium and nitrogen cryostats, 3He refrigerators, and adiabatic demagnetization refrigerators (ADRs). Familiarity with the properties and uses of mechanical/structural and electrical properties of materials at low temperatures.
Computerized engineering skills (computer aided design (CAD), and finite element analysis (FEA)) and their applications to cryogenic and vacuum vessels, devices for mounting optics and large mass instrumentation to telescopes in the field, and subcomponents of telescopes.

Management/logistics skills, including the development, and maintenance of group activity schedules, and the ability to coordinate the logistics involved in shipping large research instruments to places as diverse as South Pole and Mauna Kea.

Laboratory software skills including familiarity with the Labview environment, and ability to interface basic instrumentation.

Basic laboratory electronic skills including soldering, wire-wrapping, bread-boarding of basic circuits.

Machinist and assembly skills, including the ability to machine complex subcomponents of large instruments, and make repairs to our instruments both at Cornell University and in field laboratories. Finally, the position will include possible supervision of one to three undergraduate assistants.

Question may be directed to Lynda Sovocool, Finance and Human Resource Manager, lmk3@cornell.edu [11].


B) RESEARCH PLANETARY SCIENTIST AT NASA GODDARD SPACE FLIGHT CENTER

The Planetary Systems Laboratory at NASA GSFC is seeking to hire an early or mid-career (GS13/14) planetary scientist to engage in a strong independent research program, and to strengthen and extend the laboratory’s successful track record in the development of instrumentation for
planetary missions.

Some of the specific requirements sought after for this position include:

- Take a leadership role in a program for planetary instrument concept design and development, particularly in the infrared.
- Evaluate and revise current instrument concept designs based on science requirements and develops/modifies science requirements to be compatible with available technology.
- Maintain an independent science and instrument research program with regular publications.

A full description of the requirements and information on how to apply are found on the USAJOBS site:


The due date for applications is 11/24/2017. In the event of questions please contact:
keith.s.noll@nasa.gov [14] or conor.a.nixon@nasa.gov [15].

US citizenship is required. NASA GSFC is an equal opportunity employer.

C) ONE PHD AND TWO POSTDOC POSITIONS WITH THE EXOMARS TGO MISSION

The Space Research Centre of Poland is offering one PhD and two postdoc positions to work with the data to be collected starting from next spring with the instruments onboard the Trace Gas Orbiter spacecraft of ESA/IKI's ExoMars2016 mission, in the fields of
geosciences (hydrothermal processes, volcanism, mineralogy, tectonics, thermal properties of rocks) and/or atmospheric sciences (atmosphere circulation modelling). The descriptions are here:

https://euraxess.ec.europa.eu/jobs/254063 [16]
https://euraxess.ec.europa.eu/jobs/254061 [18]

The deadline for applying is December 10, 2017, auditions will be held in January and the contracts will start on March 1st. Please contact Daniel Mege for more information (dmege@cbk.waw.pl [19]).

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

To unsubscribe visit http://aas.org/unsubscribe [21] or email unsubscribe@aas.org [22].
To change your address email address@aas.org [23]

Footer

- Reports
- Photos
- History
- Bylaws
- Giving

Source URL: https://dps.aas.org/newsletters/17-45

Links: