

Newsletter 16-27

Issue 16-27, July 24, 2016

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REMINDER: PLEASE VOTE IN THE 2016 DPS ELECTION

DEADLINE FAST APPROACHING: ONLY ONE MORE WEEK!

The 2016 election for DPS Vice-Chair and Committee is now open, and will close on July 31st 2016.

Please remember to vote!

Go to <https://aas.org/vote/> [1]

You will need your AAS member login ID (which defaults to your membership number), and your password.

If you have trouble voting on line, the AAS can do a proxy vote and vote on your behalf (send an e-mail to dpssec@aas.org [2]). You will still get an automated email



confirmation and a separate manual email, both with who you voted for and a confirmation number.

You should vote for one of the two candidates for Vice-Chair:

- o Catherine Olkin, Southwest Research Institute
- o Harold Reitsema, Retired

The elected Vice-Chair will take his/her functions in October 2016 and will become the DPS Chair in October 2017.

You should also vote for two of the five candidates for DPS Committee:

- o Ashley Davies, Jet Propulsion Laboratory
- o Karl Hibbitts, The Johns Hopkins University Applied Physics Laboratory
- o Catherine Neish, University of Western Ontario
- o Britney Schmidt, Georgia Institute of Technology
- o Maria Womack, University of South Florida

The successful candidates will serve on the Committee for three years after October 2016.

The detailed vitae and position statements for each of the candidates is linked from the main election page,

<https://aas.org/vote/> [1]

It is very important for all DPS Members to participate to these elections, so please take a moment to vote!

Thank you!

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REMINDER: REGULAR REGISTRATION DEADLINE FOR DPS 48/EPSC 11

The Regular Registration Deadline is Friday, August 12, 2016.

Full Registration for Full DPS Members increases from \$622 to \$719 if you register after August 12.

Pasadena, CA, 16-21 October 2016 at the Pasadena Convention Center

<https://aas.org/meetings/dps48> [3]

* Important dates

12 August 2016 DPS 48/ EPSC 11 Regular Registration Deadline

<https://aas.org/meetings/dps48/registration> [4]

And also:

- 2 August 2016: Late Abstract Submission Deadline - 9:00pm ET
- 14 September 2016: Hotel Reservations Deadline
- 16 September 2016: Dependent Care Grant Application Deadline

The DPS is grateful to our Meeting Sponsors:

Universities Space Research Association (USRA)
Ball Aerospace
Southwest Research Institute

Nature Geoscience

Elsevier

AURA

TMT-Thirty Meter Telescope

VORTICES

Space Science Institute

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JOBS, POSITIONS, OPPORTUNITIES

A) POSTDOCTORAL POSITION

REACTION DYNAMICS & PLANETARY SCIENCES,
UNIVERSITY OF HAWAII AT MANOA, USA

The Reaction Dynamics Group, Department of Chemistry, University of Hawai'i at Manoa, invites applications for two postdoctoral positions. 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 experimental reaction dynamics, UHV technology, REMPI, and pulsed laser systems. The goal of the experiments is to probe the formation of water and hydroxyl radicals on the Moon via interaction of ionizing radiation (Solar Wind) with lunar (analog) silicates.

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 [5]]. Applicants must demonstrate their capability to prepare manuscripts for publications independently.

The review of applications will start August 1, 2016, and continues until the position is filled. A description of our current research group can be found at <http://www.chem.hawaii.edu/Bil301/welcome.html> [6].

**B) SPACE TELESCOPE SCIENCE INSTITUTE SUPPORT SCIENTIST
BALTIMORE, MD**

The Space Telescope Science Institute (STScI) has immediate openings for Support Scientists to work on operations, calibration, testing, on-orbit commissioning, and user support of the instruments for the Hubble Space Telescope (HST) and/or James Webb Space Telescope (JWST). Support Scientists typically spend 80% of their time in support of the science operations mission of the Institute and 20% on personal research. With grant support, they can increase their research fraction up to 50%. Persons with observational, instrumentation, or theoretical experience in Solar System science are encouraged to apply. Positions are for terms of three years and may be renewed depending on performance and availability of funding. Application deadline is Aug. 19, 2016. Further details can be found at: https://rn11.ultipro.com/SPA1004/JobBoard/listjobs.aspx?__VT=ExtCan [7]

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UPCOMING MEETINGS

A) AGU 2016 SESSION P004: COMETARY PROCESSES

IN THE LIGHT OF ROSETTA

Conveners: Bonnie Buratti, Mathieu Choukroun, Matt Taylor, and Nicolas Altobelli

The European Space Agency's Rosetta spacecraft will make an unprecedented controlled crash onto comet 67P/Churyumov-Gerasimenko in late September

2016, providing close scrutiny of the comet until the very end. This session will focus on scientific results from this final stage of Rosetta's life. The session will also include correlative studies among instruments from all phases of the mission; studies that incorporate ground-based observations for better temporal coverage and perspective; theoretical modeling of cometary processes; and interrelationships among comets and other small bodies.

AGU abstracts are due no later than 3 August.

B) AGU SESSION P026 SOLAR SYSTEM SMALL BODIES:

RELICS OF FORMATION AND NEW WORLDS TO EXPLORE

We would like to invite you to submit an abstract to our session entitled "Solar System Small Bodies: Relics of Formation and New Worlds to Explore" scheduled at the AGU Fall Meeting at San Francisco, December 12-16 2016.

Abstract deadline: 3 August 23:59 EDT/03:59 +1 GMT.

<https://agu.confex.com/agu/fm16/preliminaryview.cgi/Session13304> [8]

The composition and physical properties of Small Solar System Bodies (SSSBs), remnants of the formation of planets, are key to better understand our solar system. Increased knowledge of their surface properties and their potential as resources are also necessary to prepare for robotic and human exploration. Hints about the internal structure and composition of SSSBs have been acquired recently thanks to flyby/rendezvous data from space missions, study of complex multiple asteroid systems, or close encounter between asteroids. This session welcomes abstracts on the results bringing information on the internal structure and composition of SSSBs based on

space and ground-based data, numerical models, as well as instrument/mission concepts in the prospect of future exploration.

Conveners:

Franck Marchis (SETI Institute & Iris AO), Julie C. Castillo (NASA Jet Propulsion Laboratory) and Padma A Yanamandra-Fisher (Space Science Institute)

C) AGU SESSION P006: DETECTION AND DIRECT IMAGING OF
HABITABLE EXOPLANETS: PROGRESS AND FUTURE

We would like to invite you to submit an abstract to our session entitled “Detection And Direct Imaging Of Habitable Exoplanets: Progress And Future” scheduled at the AGU Fall Meeting at San Francisco, December 12-16 2016.

Abstract deadline: 3 August 23:59 EDT/03:59 +1 GMT.

<https://agu.confex.com/agu/fm16/preliminaryview.cgi/Session13664> [9]

This session consists in a discussion on the potential of new and future facilities and modeling efforts designed to detect, image and characterize habitable exoplanets, studying their formation, evolution and also the existence of possible biospheres. Topics to be covered in this session include signs of exoplanet habitability and global biosignatures that can be sought with upcoming instrumentation; instrument requirements and technologies to detect these markers; strategies for target selection and prioritization; and impacts of planetary system properties, ground-based and space telescope architectures, and impacts of instrument capabilities on the yield of potentially inhabited exoplanets.



Conveners: Franck Marchis (SETI Institute), Ramses M. Ramirez (Cornell University), Douglas Caldwell (SETI Institute)

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aaas.org) [2]

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To change your address email address@aaas.org [12].

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- [3] <https://aas.org/meetings/dps48>
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