

Newsletter 18-12

Issue 18-12, March 21, 2018

+-----CONTENTS-----+

1. REMINDER: DPS 2018 PRIZE NOMINATIONS
2. SPITZER CYCLE 14 PROPOSAL DEADLINE MARCH 23
3. COMMUNITY PLUTO FOLLOW ON MISSIONS WHITE PAPER AVAILABLE
4. OUTER PLANETS ASSESSMENT GROUP FINDINGS AND NEXT MEETING
5. RECONSIDERATION IN THE USE OF RPS FOR DISCOVERY
6. NASA SCIENCE MISSION DIRECTORATE SEEKS VOLUNTEER REVIEWERS
7. UPCOMING MEETINGS AND WORKSHOPS

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REMINDER: DPS 2018 PRIZE NOMINATIONS

Deadline: April 1, 2018

Every year the DPS recognizes exceptional achievement in our field.

Please consider nominating a respected colleague for one of the annual

DPS prizes. The DPS sponsors five prizes:

The [Gerard P. Kuiper Prize](#) [1] honors outstanding contributions to the field of planetary science.

The [Harold C. Urey Prize](#) [2] recognizes outstanding achievement in planetary research by a young scientist.

The [Harold Masursky Award](#) [3] acknowledges outstanding service to planetary science and exploration.

The [Carl Sagan Medal](#) [4] recognizes and honors outstanding communication by an active planetary scientist to the general public.

The [Jonathan Eberhart Planetary Sciences Journalism Award](#) [5] recognizes and stimulates distinguished popular writing on planetary sciences.

DPS members and the planetary science community-at-large are encouraged to submit nominations for DPS prizes.

A complete nomination submitted by the deadline will be considered by the DPS Prize subcommittee for 3 years (i.e. for this year's award, next year's award, and the year after that), or for the duration of a candidate's eligibility, whichever is less. Please fill out the [nomination form](#) [6], and it will be submitted to the prize subcommittee. The Eberhart Award has different rules and procedures than the other DPS Prizes, please see [its page](#) [5] for more information.

Scroll to the bottom of <https://dps.aas.org/prizes> [7] for rules and procedures.

Questions: dpsprize@aas.org [8] or lucy.mcfadden@verizon.net [9]

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SPITZER CYCLE 14 PROPOSAL DEADLINE MARCH 23

All Cycle-14 observing proposals are due:

Friday, 23 March 2018, 2 PM PDT

All programmatic and technical information for Cycle-14 is available electronically from the Proposal Kit section of the Spitzer Science Center website at <http://ssc.spitzer.caltech.edu/warmmission/propkit/> [10]

If you have any questions please contact us at the Spitzer Helpdesk at help@spitzer.caltech.edu [11]

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COMMUNITY PLUTO FOLLOW ON MISSIONS WHITE PAPER AVAILABLE

A self-organized community white paper on Pluto Follow On Missions is now available to the community to download from the following links:

http://bit.ly/PFO_WhitePaper [12]

and

<https://sites.google.com/view/pkeg/resources> [13]

Those wishing to sign on to this white paper should contact Kelsi Singer, ksinger@boulder.swri.edu [14]

-Richard Binzel, Will Grundy, Doug Hamilton, Jason Hofgartner, Rosaly Lopes, Renu Malhotra, Jeff Moore, Cathy Olkin, Stuart Robbins, Kelsi Singer, Alan Stern, Anne Verbiscer, and Amanda Zangari

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OUTER PLANETS ASSESMENT GROUP FINDINGS AND NEXT MEETING

Eight findings from 21-23 February OPAG meeting in Hampton have been posted at <https://www.lpi.usra.edu/opag/> [15]. These findings address 1. Europa exploration and the decade of darkness, 2. Status of CDAP and NFDAP, 3. Ice Giant exploration, 4. Workforce issues in the next Decadal Survey, 5. RPS for the next Discovery mission, 6. Ocean Worlds National Academies study, 7. Pre-Decadal mission studies, and 8. OPAG technology.

The next OPAG meeting is tentatively scheduled for September 11-12 in Pasadena.

-The OPAG Steering Committee

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RECONSIDERATION IN THE USE OF RPS FOR DISCOVERY

From: James Green, Director, NASA's Planetary Science Division

After analysis and consultation with the Department of Energy, NASA's Planetary Science Division is pleased to announce that the ban on the use of Radio-isotope Power Systems (RPS) by proposers responding to the upcoming Discovery 2018 AO has been removed. Proposers will be able to include the use of up to two (2) Multi-mission Radio-Isotope Thermal Generators (MMRTG's) to enable or significantly enhance their mission concept. Costs to be borne by proposers for the MMRTGs, the related environmental impact assessments, and the required Nuclear Launch Approval process will be announced once determined.

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SCIENCE MISSION DIRECTORATE SEEKS VOLUNTEER REVIEWERS

The Science Mission Directorate (SMD) has posted some new volunteer reviewer forms on the SARA web page at

<https://science.nasa.gov/researchers/volunteer-review-panels> [16]

SMD is currently seeking reviewers for:

- [ROSES A.36 Earth Science Applications: Water Resources](#) [17]
- [ROSES C.2 Emerging Worlds](#) [18]
- [ROSES C.6 Solar System Observations](#) [19]
- [ROSES C.13 MatISSE and C.22 DALI \(high-TRL planetary instrument programs\)](#) [20]
- [ROSES D.3 Astrophysics Research and Analysis](#) [21]
- [ROSES E.3 Exoplanet Research Program](#) [22]
- [Earth Surface and Interior and Space Geodesy Programs](#) [23]
- [Astrophysics Data Analysis Program \(Appendix D.2 of the annual ROSES NRA\)](#) [24]

If you would like to volunteer for a review that is not listed above (like Step-1 proposals for B.10 the Heliophysics - Early Career Investigator Program) you may write directly to the Program Officer at

<https://science.nasa.gov/researchers/sara/program-officers-list/> [25]

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UPCOMING MEETINGS AND WORKSHOPS

A) AIDA/DART SPRING 2018 INVESTIGATION TEAM MEETING: SECOND ANNOUNCEMENT AND REGISTRATION REMINDER

Johns Hopkins Applied Physics Laboratory, Laurel MD

The DART Investigation Team will have a one-day meeting on 9 April 2018. This meeting will be used to discuss the status of DART and the collaborative AIDA project, present work done by the Investigation Team during DART's

Preliminary Design Phase ("Phase B"), and prepare for a possible transition to Final Design and Fabrication Phase ("Phase C") later in 2018. We welcome community interest and participation in general discussion, and plan to provide for remote access.

Registration is required for onsite participants so that we can generate a visitor log, but there is no registration fee and no abstracts are solicited. We note that it is particularly important for people who are not US citizens to register by the deadline--we will not be able to accommodate non-citizen walk-ins. The registration deadline is March 23.

Further details including the current agenda and registration link can be found at http://dart.jhuapl.edu/investigationteam_april2018/index.php [26]

B) OCEAN WORLDS 3: ABSTRACT DEADLINE EXTENDED TO MARCH 28

The abstract deadline for the Ocean Worlds 3 meeting has been extended to Wed. March 28, 2018 5:00 PM CDT. Ocean Worlds 3 will be held May 21-24, 2018 at the Lunar and Planetary Institute, Universities Space Research Association, Houston, Texas. The focus will be on the potential for silicate-water interactions to occur on Ocean Worlds beyond Earth, from a multi-disciplinary and inter-disciplinary perspective. As with past Ocean Worlds meetings, a primary motivation is to engender a cross-fertilization of ideas and expertise by soliciting contributions from both the Ocean Sciences and Planetary Sciences communities. Consequently, contributions are invited that address any aspects of this broad water-rock interaction theme, across the Planetary and Ocean Science fields, including geophysics, hydrogeology, geochemistry and microbiology.

Meeting website: <http://www.hou.usra.edu/meetings/oceanworlds2018> [27]

Thanks!

Marc Neveu

Ocean Worlds 3 Organizing Committee

C) 9th PLANETARY CRATER CONSORTIUM

The 9th Planetary Crater Consortium meeting will be held August 8-10, 2018, at the Southwest Research Institute in Boulder, CO. The Planetary Crater Consortium is open to all planetary scientists interested in any aspect of impact cratering on solar system bodies, including observational, theoretical, experimental, and numerical studies. Contributions on terrestrial impact crater field studies are encouraged, as well as presentations about cratering on other solar system bodies. The meeting is a combination of contributed talks, posters, and open discussion. Abstract deadline is Wednesday, August 1, 2018. For more information, see www.planetarycraterconsortium.nau.edu/ [28] or contact Nadine Barlow (Nadine.Barlow@nau.edu [29]).

D) LUNAR AND SMALL BODIES GRADUATE CONFERENCE 2018 -

ANNOUNCEMENT AND ABSTRACT SUBMISSION

DEADLINE: MAY 11, 2018

ESF ABSTRACT DEADLINE: MARCH 30, 2018

Registration is now open for the 8th Annual Lunar and Small Bodies Graduate Conference (LunGradCon 2018) to be held on Monday, June 25, 2018 at the NASA Ames Research Center, preceding the NASA Exploration Science Forum

(ESF, June 26-28). With the expanded interests of the Solar System Exploration Research Virtual Institute (SSERVI), the scope of this year's LunGradCon includes both lunar and small body science. LunGradCon provides an opportunity for grad students and early-career postdocs to present their research on lunar and small body science in a low-stress, friendly environment, being critiqued only by their peers. In addition to oral presentations, the conference presents opportunities for professional development and networking with fellow grad students and postdocs, as well as senior members of SSERVI. A limited amount of funding will be provided for travel and lodging costs. The deadline for LunGradCon registration and abstract submission is May 11, 2018, 11:59 PM PDT. The ESF abstract deadline is March 30th.

For more details, please visit:

<http://impact.colorado.edu/lungradcon/2018/> [30]

or email any questions to: lungradcon@gmail.com [31]

E) 4th IPM INTERNATIONAL WORKSHOP

Sep 12-14, 2018- Berlin, Germany

We are very excited to announce that the 4th International Workshop on 'Instrumentation for Planetary Missions' (IPM - 2018) will be held in Berlin, Germany Sep 12-14, 2018. The venue will be the Technical University (TU) of Berlin. The topics of interest are listed below.

Important dates:

April 1, 2018: Abstracts submission opens

June 13, 2018: Abstracts submission deadline

The provisional portal is here (http://www.planet.tu-berlin.de/menue/veranstaltungen/ipm_2018 [32]/).

A more complete portal with additional information and abstract submission links will be available soon.

The Local organizing committee (LOC) is led by Prof Juergen Oberst of the Planetary Geodesy and Geoinformation Science Department at TU, Berlin.

The scientific Organizing Committee (SOC) members are:

- Athena Coustenis (Observatoire de Meudon/LESIA/CNRS),
- Juergen Oberst (TU, Planetary Science, Berlin)- Co-chair
- Sabrina Feldman (JPL)
- Stephanie Getty (GSFC)
- Elizabeth Turtle (APL)
- Shawn Domagal-Goldman (NASA/GSFC)
- Neil Bowles (Oxford, UK)
- Brook Lakew (GSFC)- Co-chair
- Manuel Grande (Aberystwyth Univ, UK)
- Anita Heward (UK)
- Christophe Sotin (JPL)
- David Beaty (JPL)
- Harald Michaelis (DLR, Institute of Planetary Research, Berlin)

*Please note that IPM-2018 will take place the week before the European Planetary Science Congress (EPSC) – the main annual European planetary science conference (<https://www.epsc2018.eu> [33]/) - also happening at the same venue in Berlin.

As in years past we are looking forward to a successful IPM International Workshop.

Mark your calendars and prepare your abstracts!

-Brook Lakew

4th IPM Workshop co-chair.

Suggested topics for the 4th IPM Workshop

1- Planetary Science questions to be addressed in the next decade and beyond – keynote/invited papers

2- Instruments on past missions - lessons learned and vision for next generation instruments – keynote/invited papers

3- Life detection Instrumentation and related technologies for Ocean Worlds

4- Instruments on past and newly selected phase-A missions (Rosetta, Hayabusa 2, Mangalyaan, TGO, ExoMars, Mars 2020, JUICE, Juno, OSIRIS-Rex, Bepi-Colombo, Lucy, Psyche, Dragonfly, CEASAR, Europa Clipper, Europa Lander, etc.)

5- Novel instruments for Lander Missions- including Lunar and Mars landers

6- Instruments for Orbiters, Flyby Missions (Sub-mm, Radar, UV, IR spectrometers, imagers)

7- Instrumentation for descent probes (Saturn, Uranus, Venus, ...)

8- Mass Spectrometry, Geochronology and Elemental Spectroscopy instruments

9- Science Instruments for Deep-Space SmallSats and CubeSats

10- Electronics for extreme environments (temperature and radiation)

11- Dual-Function Instruments on Human Space Flight missions beyond LEO

12- Science Instruments on human space flight missions to the Deep-space
Gateway and planetary targets beyond LEO (NEO, Mars, Phobos)

F) DIDYMOS OBSERVER WORKSHOP

The Second Announcement on the Didymos Observer Workshop,

June 19-21 in Prague, Czech Republic, is now available at

http://didymos2018-mtg.asu.cas.cz/didymosprague2018_secondannouncement.pdf [34]

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aaas.org) [35]

To unsubscribe visit <http://aas.org/unsubscribe> [36] or email unsubscribe@aas.org [37].

To change your address email address@aas.org [38]

Footer

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- [Bylaws](#)
- [Giving](#)

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Links:

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- [2] <https://dps.aas.org/prizes/urey>
- [3] <https://dps.aas.org/prizes/masursky>
- [4] <https://dps.aas.org/prizes/sagan>
- [5] <https://dps.aas.org/prizes/eberhart>
- [6] <https://dps.aas.org/prizes/nomination-form>
- [7] <https://dps.aas.org/prizes>
- [8] <mailto:dpsprize@aas.org>
- [9] <mailto:lucy.mcfadden@verizon.net>
- [10] <http://ssc.spitzer.caltech.edu/warmmission/propkit/>
- [11] <mailto:help@spitzer.caltech.edu>
- [12] http://bit.ly/PFO_WhitePaper
- [13] <https://sites.google.com/view/pkeg/resources>
- [14] <mailto:ksinger@boulder.swri.edu>
- [15] <https://www.lpi.usra.edu/opag/>
- [16] <https://science.nasa.gov/researchers/volunteer-review-panels>
- [17] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-a36-earth-science-applications-water-resources>
- [18] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-c2-emerging-worlds>
- [19] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-c6-solar-system-observations>
- [20] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-c13-matisse-and-c22-dali-high-true-planetary-instrument-programs>
- [21] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-d3-astrophysics-research-and-analysis>
- [22] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-e3-exoplanet-research-program>
- [23] <https://science.nasa.gov/researchers/volunteer-review-panels/earth-surface-and-interior-and-space-geodesy-programs>
- [24] <https://science.nasa.gov/researchers/volunteer-review-panels/astrophysics-data-analysis-program-appendix-d2-annual-roses-nra>
- [25] <https://science.nasa.gov/researchers/sara/program-officers-list/>
- [26] http://dart.jhuapl.edu/investigationteam_april2018/index.php
- [27] <http://www.hou.usra.edu/meetings/oceanworlds2018>
- [28] <http://www.planetarycraterconsortium.nau.edu/>
- [29] <mailto:Nadine.Barlow@nau.edu>
- [30] <http://impact.colorado.edu/lungradcon/2018/>
- [31] <mailto:lungradcon@gmail.com>
- [32] http://www.planet.tu-berlin.de/menue/veranstaltungen/ipm_2018
- [33] <https://www.epsc2018.eu/>
- [34] http://didymos2018-mtg.asu.cas.cz/didymosprague2018_secondannouncement.pdf
- [35] <mailto:dpssec@aas.org>
- [36] <http://aas.org/unsubscribe>
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