

Newsletter 16-07

Issue 16-07, March 8, 2016

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REMINDER: LAST CALL FOR DPS 2016 PRIZE NOMINATIONS

DEADLINE MARCH 15, 2016

Every year the DPS recognizes exceptional achievement in our field.

It is time to consider nominating a respected colleague for one of the annual

DPS prizes:

The Gerard P. Kuiper Prize honors outstanding contributions to the field of planetary science.

The Harold C. Urey Prize recognizes outstanding achievement in planetary research by a young scientist.

The Harold Masursky Award acknowledges outstanding service to planetary science and exploration.

The Carl Sagan Medal recognizes and honors outstanding communication by an active planetary scientist to the general public.

appears below, as well as information on how to join the meeting via telephone

and webex:

http://science.nasa.gov/media/medialibrary/2016/03/02/PSS_agenda_for_Mar... [3]

Teleconference Information:

Toll free conference call number 1-888-603-9741

Pass code: 7275246

WebEx Link: <https://nasa.webex.com/> [4]

Meeting number for March 9

998 136 809

Password: PSS@Mar9

Meeting number for March 10

999 111 391

Password: PSS@Mar10

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NASA PDS ROADMAP TEAM NOMINATIONS

Dear Colleague,

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Be a part of the future of NASA's Planetary Data System (PDS)! The PDS

is beginning the process of creating its next Roadmap and NASA is soliciting

self-nominations for the PDS Roadmap Study Team. The goal of this activity

is to develop a practical, community-developed pathway to implement the new

long-term vision (see URL below) for the PDS, which continues to accomplish

NASA's broad objective for the PDS; namely, preserving and making available

all data products from planetary exploration research and missions.

The PDS Chief Scientist, Dr. Ralph McNutt (Johns Hopkins University

Applied Physics Laboratory), will serve as the Chair of the Roadmap

Study Team. Ms. Emily Law (NASA Jet Propulsion Laboratory - JPL)

will serve as his Deputy.

Background

The Planetary Data System (PDS) archives electronic data products from NASA planetary missions, sponsored by NASA's Science Mission Directorate. It actively manages the archive to maximize its usefulness.

All PDS-curated products are peer-reviewed, well documented, and available online to scientists and to the public. More information on

The Roadmap is available from the PDS homepage at:

<https://pds.nasa.gov/roadmap/index.shtml> [5].

The PDS is one of four NASA organizations within the Planetary Science Division which works to ensure that planetary science archived data and curated samples remain accessible to current researchers; preserved for future generations; and protected against corruption, contamination, and loss. NASA expects to increase interoperability and searchability across all archives.

It is expected that the PDS Roadmap Study Team will do much of its work virtually, using tele- and web-conferences. However, there will be up to three, two-day long face-to-face meeting.

To nominate yourself for membership on the PDS Roadmap Study team,

E-mail a single PDF-formatted file to the PDS Program Scientist, Dr.

Michael New, at michael.h.new@nasa.gov [6]
and the PDS Program Executive,

Mr. William Knopf, at William.knopf-1@nasa.gov [7]
by 11:59 PM EDT on

March 28, 2016. The subject line should include the phrase "PDS Roadmap

Study Team Self-Nomination".

The application material should consist of:

1. The reasons for the submitter's interest in the PDS Roadmap.

2. The capabilities and experience that the submitter would bring to the PDS Roadmap.
3. A short statement of commitment to perform the tasks assigned to the PDS Roadmap.
4. A two-page resume or /curriculum vitae/, including relevant publications.

Nominations are solicited from researchers at U.S.-based research and academic institutions, Government laboratories, including NASA centers and JPL, industry, and private individuals. Only U.S. persons (for the purpose of U.S. export control regulations, i.e., U.S. citizens and permanent residents; see <http://oiir.hq.nasa.gov/nasaecp/Webbrfg/tsld018.htm> [8])

are eligible to serve on the PDS Roadmap Study Team.

NASA will select the PDS Roadmap members for balance of expertise in relevant science and technology areas.

NASA reserves the right to cancel this road-mapping activity at any time, should programmatic and/or other reasons warrant it.

Questions about the PDS Roadmap should be addressed to the NASA PDS Project Manager, Dr. Thomas Morgan, thomas.h.morgan@nasa.gov [9] at

301-286-1743.

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EIGHTH ANNUAL SUSAN NIEBUR WOMEN IN PLANETARY
SCIENCE EVENT AT LPSC

Wednesday, 6:00 to 7:30 p.m.,

Waterway 5, Woodlands Waterway Marroitt
(LPSC Conference Venue, Houston, TX)

Everyone has implicit or unconscious biases shaped by societal expectations and past experiences. These biases can influence evaluation and judgement,

in either a positive or negative way. Studies have shown that unconscious bias can negatively affect the careers of women and other minorities in STEM fields. In addition to raising awareness about best practices, this event is meant as a springboard for implementing positive change in our community. We welcome everyone's input on this important topic. RSVP (not required, but requested so we will have an idea about attendance numbers), and more information: http://bit.ly/WIPS_2016 [10]

Note: The formal event will be 6:00-7:30 and light refreshments will be provided thanks to generous support from the Division for Planetary Sciences

(thank you!!!). We have the room until 8 for those who wish to continue small group discussions.

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SUMMER SCHOOL: BRAVE NEW WORLDS:

UNDERSTANDING THE PLANETS OF OTHER STARS

May 29-June 03, 2016 at Lake Como School of Advanced Studies.

Only nine planets were known before 1995, the ones orbiting our favourite star, the Sun, which then included Pluto. Twenty years later, we have

Pluto but we have gained two thousands planets in orbit around other stars.

Current statistical estimates indicate that, on average, every star in our Galaxy

hosts at least one planetary companion, i.e. our Milky Way is crowded with

one hundred billion planets! The most revolutionary aspect of this young

field is the discovery that the Solar System does not appear to be the paradigm

in our Galaxy, but rather one of the many possible configurations we are seeing

out there. These include planets completing a revolution in less than one day,

Please see
<http://irtfweb.ifa.hawaii.edu/observing/callForProposals.php> [13]
for

the full text.

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OBSERVATION CAMPAIGN OF KBO TARGETS FOR PROPOSED NEW HORIZONS EXTENDED MISSION

Having completed its successful flyby of the Pluto system, the New Horizons spacecraft is on a trajectory to encounter Kuiper Belt Object 2014 MU69. Pending NASA approval for an extended mission, New Horizons will also take advantage of being an observing platform in the outer solar system to observe a select number of other KBOs having favorable geometries for resolved or high signal-to-noise measurements. Earth-based observations can support these pending New Horizons measurements through calibrated photometry at low phase angle (Earth), which will be complementary to the higher phase angle data from the spacecraft. In particular for objects having the potential for resolved imaging from the spacecraft, knowledge of the rotational phase at the time of the New Horizons observations can help constrain the overall shape of these distant objects. An Earth-based campaign website in support of the pending science from the New Horizons extended mission is under construction.

Candidate KBO targets

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UPCOMING MEETINGS

A) Half a Decade of ALMA: Cosmic Dawns Transformed
September 20 - 23, 2016
Renaissance Indian Wells Resort & Spa
Indian Wells, CA, USA

Mid April 2016 Abstract submissions and Registration opens

Mid May 2016 Abstract submission closes

The sensitivity and spectral grasp of the Atacama Large

Millimeter/submillimeter Array (ALMA) have revolutionized the

study of youngest structures in the Universe, from galaxy formation

through the formation of stars and planets. ALMA has produced over

300 refereed papers with over 3000 citations at its four-year mark,

reporting impressive and scientifically compelling results as the most

sensitive and highest resolution mm/submm interferometer in the world.

This international four-day conference will highlight ALMA results at

the threshold of the array's fifth year of science operations and bring

together researchers from around the world to motivate collaborations

for ALMA Cycle 5. Science topics will include all fields of astronomy,

from the solar system and the Sun to exoplanets, circumstellar disks and

planet and star formation, astrochemistry, evolved stars, the interstellar

medium and star formation in our own Galaxy, to nearby galaxies and

beyond to the distant Universe.

The conference will feature invited and contributed talks as well as

poster sessions. Early career researchers and students are particularly

encouraged to attend.

Meeting website:

<http://go.nrao.edu/ALMA5years> [14]

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aas.org [15])

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Links:

- [1] <http://dps.aas.org/prizes>
- [2] <mailto:dpsprize@aas.org>
- [3] http://science.nasa.gov/media/medialibrary/2016/03/02/PSS_agenda_for_March_2016-FINAL_TAGGED.pdf
- [4] <https://nasa.webex.com/>
- [5] <https://pds.nasa.gov/roadmap/index.shtml>
- [6] <mailto:michael.h.new@nasa.gov>
- [7] <mailto:William.knopf-1@nasa.gov>
- [8] <http://oiiir.hq.nasa.gov/nasaecp/Webbrfg/tsld018.htm>
- [9] <mailto:thomas.h.morgan@nasa.gov>
- [10] http://bit.ly/WIPS_2016
- [11] <http://gatr.lakecomoschool.org>
- [12] <http://irtfweb.ifa.hawaii.edu/Facility>
- [13] <http://irtfweb.ifa.hawaii.edu/observing/callForProposals.php>
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