CALL FOR DPS 2019 PRIZE NOMINATIONS
Deadline: April 1, 2019

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.


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.


Questions: dpsprize@aas.org [8]

CALL FOR NOMINATIONS: 9TH “PAOLO FARINELLA” PRIZE 2019

To honor the memory and the outstanding figure of Paolo Farinella (1953-2000),
an extraordinary scientist and person, a prize has been established in recognition of significant contributions in one of the fields of interest of Paolo, which spanned from planetary sciences to space geodesy, fundamental physics, science popularization, security in space, weapons control and disarmament.

The prize has been proposed during the "International Workshop on Paolo Farinella, the scientist and the man", held in Pisa in 2010, and the 2019 edition is supported by the “Observatoire de la Cote d'Azur” in France.

Previous recipients of the “Paolo Farinella Prize” were:

- 2011: William F. Bottke, for his contribution to the field of "Physics and dynamics of small solar system bodies"
- 2012: John Chambers, for his contribution to the field of "Formation and early evolution of the solar system"
- 2013: Patrick Michel, for his contribution to the field of "Collisional processes in the Solar System"
- 2014: David Vokrouhlicky, for his contribution to the field of “Non gravitational forces in the Solar System”
- 2015: Nicolas Biver, for his contribution to the field of “Dynamics and physics of comets”
- 2016: Kleomenis Tsiganis, for his contribution to the field of “Applications of celestial mechanics to the natural bodies of our solar system”.
- 2017: Simone Marchi, for his contribution to the field of “Physics and dynamics of the inner planets of the solar system and their satellites”
- 2018: Francis Nimmo, for his contribution to the field of “Giant planets and satellite systems”.

The ninth Paolo Farinella Prize will be awarded to a young scientist with outstanding contributions in the field of planetary science concerning “The Trans-Neptunian Population”. The award ceremony will be hosted by the joint European Planetary Science Congress (EPSC) – Division for Planetary Sciences (DPS) meeting in Geneva, Switzerland (15th to 20st of September 2019).

For the 9th “Paolo Farinella” Prize the terms and rules are as follows:

1. A competition is announced to award the "Paolo Farinella" Prize for the year 2019. The prize
consists of a plate, a certificate and the amount of 1500 €. The winner is expected to give a Prize lecture at the EPSC/DPS awards special session.

2. The winner will be selected on the basis of his/her overall research results in the field of "The Trans-Neptunian Population".

3. Nominations must be sent by email not later than April 15 to the following addresses: morby@oca.eu [9], acb@ua.es [10] and david.lucchesi@inaf.it [11], using the form downloadable from https://www-n.oca.eu/morby/FORM_Paolo_Farinella_Prize_2019.docx [12]

4. The nominations for the "Paolo Farinella" Prize can be made by any researcher that works in the field of planetary sciences following the indications in the attached form. Self nominations are acceptable. The candidates should have international and interdisciplinary collaborations and should be not older than 47 years, the age of Paolo when he passed away, at the date of April 15, 2019.

5. The winner of the prize will be selected before May 20 by the "Paolo Farinella" Prize Committee composed of outstanding scientists in planetary sciences, with specific experience in the field.

6. The Prize Committee will consider all the nominations, but will be entitled to autonomously consider other candidates.

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EARLY REGISTRATION DEADLINE FOR 2019 PLANETARY DEFENSE CONFERENCE

The International Academy of Astronautics will hold its 6th Planetary Defense Conference from April 29 to May 3rd, 2019 in College Park, Maryland, USA.

The bi-annual conference brings together world experts to discuss the threat to Earth posed by asteroids and comets and actions that might be taken to deflect a threatening object.

§ Key International and Political Developments

§ Advancements in NEO Discovery

§ New NEO Characterization Results

§ Deflection & Disruption Modeling and Testing

§ Mission & Campaign Design

§ Impact Consequences

§ Disaster Response

§ Impact Risk Assessment and Decision to Act

§ Public Education and Communication
The conference will include a hypothetical NEO/Earth impact event **scenario** that will be part of the conference (similar to what was done at previous conferences, https://cneos.jpl.nasa.gov/pd/cs/ [13]). Conference attendees may also use the hypothetical scenario as their topic for papers and presentations.

The NASA Planetary Defense Coordination Office would like to remind the community that the Early Registration deadline is Friday, March 1, 2019. For more information and to register, visit: http://pdc.iaaweb.org/ [14]

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**UPCOMING PROPOSAL WRITING WORKSHOPS**

The success of scientists depends upon their ability to obtain funding. Using Research Opportunities in Space and Earth Sciences (ROSES) from NASA as a primary example, this workshop will focus on teaching the audience key points to writing a successful proposal. Proposal Writing Workshops help early career scientists, as well as those looking to improve their previous proposal performance. As a result of this session, participants will be able to understand the proposal writing, reviewing, and selection process for federally funded proposals, and help those who have previously submitted proposals improve their performance. The workshop will be done in a format that allows for a great deal of audience participation. Participants are encouraged to bring along previous proposal materials and reviews to go through within the group or for one-on-one Q&A during the workshop.

There are two upcoming opportunities to participate in a Proposal Writing Workshop:

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Saturday, March 16th: Out to Innovate Conference, 10 AM,

Sunday, March 17th: 50th LPSC, 1 PM, Houston, TX, https://www.hou.usra.edu/meetings/lpsc2019/ [16]

For more information, please contact Christina Richey, christina.r.richey@jpl.nasa.gov [17].

We greatly appreciate support for this (and other upcoming workshops)
from the NASA TWSC Program.

SUMMER SCHOOL IN SOFTWARE SYSTEMS FOR ASTRONOMY

We are pleased to announce the 6th offering of Software Systems for Astronomy (SSfA-6). The course covers software design and implementation of telescope and instrument control systems, observation planning tools, and software for analyzing and archiving astronomical data. SSfA-6 will be offered as a two week intensive course this summer, 15-Jul to 26-Jul, 2019, on the Big Island of Hawaii.


JGR PLANETS: SCIENCE ENABLED BY THE LUNAR RECONNAISSANCE ORBITER CORNERSTONE MISSION

**deadline extended**

A special collection of the Journal of Geophysical Research: Planets titled
“Science Enabled by the Lunar Reconnaissance Orbiter Cornerstone Mission”
is now open for submissions. The deadline for submission has been extended to 30 April 2019 due to the recent U.S. government shutdown.

Please help us celebrate the upcoming LRO 10th anniversary by submitting to this special collection!

This issue will include new studies enabled or enhanced by data from the Lunar Reconnaissance Orbiter (LRO) third extended science mission, the Cornerstone Mission. The Moon is a witness plate to the history of the Earth-Moon system and the cornerstone for understanding processes affecting airless bodies in the Solar System. During the Cornerstone Mission, LRO scientists have focused on measuring and examining fundamental processes present on the Moon that operate throughout the Solar System, including processes that are active today and those that began billions of years ago. Papers for the special issue are encouraged from the LRO science team and members of the community who use LRO data to study lunar and other airless body processes.

https://agupubs.onlinelibrary.wiley.com/hub/jgr/journal/21699100/features/call-for-papers

Manuscripts should be submitted through the GEMS website. For additional information please contact any of the organizers.

Thank you,
-Benjamin Greenhagen, Rachel Klima, Cesare Grava, and Brett Denevi

LPSC WORKSHOP: INTRODUCTION TO PLANETARY IMAGE ANALYSIS WITH ARCGIS
Introduction to Planetary Image Analysis with ArcGIS, March 17, 2019, LPSC

The Spacecraft Planetary Imaging Facility (SPIF) of Cornell University is offering this free workshop at the upcoming 50th LPSC on Sunday, March 17, sponsored by the Regional Planetary Image Facility (RPIF) network. This will be an introductory level course accessible to participants with no prior ArcGIS experience. The workshop will run from 9:00am to 4:00pm and will cover topics including ArcGIS basics, spatial analysis, and map document production, mostly through hands-on exercises using data from Mars Odyssey and Mars Global Surveyor. Participants will be given a one-year ArcGIS license as part of the workshop. Registration is required: https://goo.gl/vajXdS [20]. The deadline for registration is March 8, 2019. Please contact Zoe Learner Ponterio, SPIF Data Manager, for more information at zap9@cornell.edu [21].

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4TH VIRTUAL MEPAG MEETING (VM4)

Members of the Mars community,

I cordially invite you to participate in the next virtual meeting (VM4) of the Mars Exploration Program Analysis Group (MEPAG), scheduled on Monday, February 25th, 2019, at 2:00-4:00 pm EST. (Note that this meeting will proceed even in the case of a U.S. government shutdown.)

Agenda items will include a progress report from the Ice and Climate

The DPS is a Division of the American Astronomical Society
Evolution Science Analysis Group (ICESAG), initial discussions on Decadal Survey white paper preparations, and if available, any budget news from NASA. Additionally, if the potential Pre-Decadal Survey Studies NRA (NASA Research Announcement) call is out, then Lori Glaze will also present. The current agenda and WebEx connectivity information can be found here. [22] Updates to the agenda and presentations will be posted to the MEPAG meeting website (https://mepag.nasa.gov/meetings.cfm [23]).

The meeting is open to all members of the Mars science community including our international colleagues. I look forward to your participation.

Sincerely,

Dr. Jeffrey R. Johnson
MEPAG Chair

JOBS, POSITIONS, OPPORTUNITIES

A) CALTECH POSTDOCTORAL SCHOLAR

Applications are invited for a Caltech Postdoctoral Scholar position in Small Bodies of the Solar System at Caltech/IPAC. The successful applicant will work with Professors George Helou and Tom Prince on the discovery and characterization of asteroids including Near-Earth Objects (NEO) using data from the Zwicky Transient Facility (ZTF) - https://www.ztf.caltech.edu [24]. ZTF is a time-domain survey of the sky using a 47 square degree camera on the Samuel Oschin 48-inch Schmidt telescope at Palomar, and a data system with advanced Moving Object Discovery capability. ZTF scans more than
3750 square degrees an hour to a depth of 20.5 mag, with a variety of sky coverage schemes and cadences, some of which are optimized for finding asteroids and NEOs.

The successful applicant will implement the effort to find and report asteroids/NEOs, working with the ZTF team at Caltech and the ZTF worldwide Solar System Science Working Group. A considerable number of tools and processes are in place already, so the effort will focus on refining and exercising these tools in a sustained fashion.

The successful applicant will also have a fraction of their time for independent research, preferably aligned with the ZTF Solar System assignment, and utilizing resources at Caltech and IPAC.

The appointment will be for two years, with a possible extension for an additional year, subject to the availability of funds. To apply, please email the following in a single pdf file: (1) a brief cover letter describing your interest in the position, (2) a curriculum vitae, (3) publication list, (4) the names and contact information of three references, and (5) a summary of previous and current research (limited to 3 pages).

Application materials should be sent to meb@ipac.caltech.edu.

Complete applications submitted by March 6, 2019 will receive full consideration, but review of applications will continue until a candidate has been identified.

Applicants must hold a Ph.D. degree in astrophysics or related fields by the starting date (summer 2019, but earlier start dates are possible).

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We encourage members of groups that have been underrepresented in STEM fields to apply.
Send submissions to:

Anne Verbiser, DPS Secretary (dpssec@aas.org [26])

You are receiving this email because you are a DPS member.

To unsubscribe or update your information, please send your request to privacy@aas.org [27]. The more general AAS privacy policy is available online at https://aas.org/about/policies/privacy-policy [28]. Current and back issues of the DPS Newsletter can be found at https://dps.aas.org/newsletters [29]

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