

Newsletter 16-25

Issue 16-25, July 4, 2016

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IN MEMORIAM: EDGARD G. YANOVITSKIJ (1937 - 2016)

The Ukrainian scientific community is very sad to announce the passing of Professor Edgard G. Yanovitskij on 23 June 2016. Dr. Yanovitskij spent his entire professional life as a leading researcher at the Main Astronomical Observatory of the Ukrainian National Academy of Sciences in Kyiv. As a prominent member of the famous Soviet school of radiative transfer founded by Academicians Viktor Ambartsumian and Viktor Sobolev, he had devoted most of his exemplary career to the study of radiative energy transport in planetary atmospheres and analyses of spectrophotometric observations of planets. His most profound accomplishments include the general analysis of principles of invariance, the analytical theory of radiative transfer in vertically inhomogeneous atmospheres, and the development of extremely efficient and numerically accurate computer solvers of the radiative transfer equation. His seminal contributions were summarized in the monograph on "Light Scattering in Inhomogeneous Atmospheres" published by Springer. For many years, Dr. Yanovitskij served as an Editorial Board Member for the "Journal of Quantitative Spectroscopy and Radiative Transfer" and "Kinematics and Physics of Celestial Bodies." His research accomplishments were celebrated by numerous professional awards, including the National Prize of Ukraine in Science and Technology. The relatives, colleagues, and friends of Professor Edgard Yanovitsky will always remember him as an outstanding scientist and an exceptional human being.

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REMINDER: EARLY REGISTRATION DEADLINE FOR DPS 48/EPSC 11

The Early Registration Deadline is THIS FRIDAY July 8, 20156.

Full Registration for Full DPS Members increases from \$588 to \$622 if you register after July 8.

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

<https://aas.org/meetings/dps48> [1]

*** Important dates**

8 July 2016 DPS 48/EPSC 11 Early Registration Deadline – THIS FRIDAY

<https://aas.org/meetings/dps48/registration> [2]

12 August 2016 DPS 48/ EPSC 11 Regular Registration Deadline

<https://aas.org/meetings/dps48/registration> [2]

And also:

- 2 August 2016: DPS 48/EPSC 11 Late Abstract Submission Deadline - 9:00pm ET

- 14 September 2016: DPS 48/EPSC 11 Hotel Reservations Deadline

The DPS is grateful to our Meeting Sponsors:

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

Elsevier

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HARTMANN STUDENT TRAVEL GRANTS FOR DPS 48/EPSC 11

A generous contribution from William K. Hartmann, supplemented by member contributions and matching funds from the DPS Committee, has enabled a limited number of student travel grants to assist participation by early-career scientists at the annual DPS meeting.

Application details are at https://dps.aas.org/meetings/travel_grant_application [3]

Travel grants are primarily intended for students, but post-doctoral scientists without other means of support will also be considered.

The due date for applications is July 8, 2016 11:59 PM.

The DPS Leadership is also soliciting additional contributions from members for the Hartmann Fund. Your tax-deductible gift promotes the careers of our next generation of planetary scientists. Thanks so much for your generosity.

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EUROPLANET TRAVEL BURSARY FOR DPS48/EPSC11

Europlanet through its Research Infrastructure and support from ESA will support a limited number of Travel Bursaries for Early Stage Researchers (PhD Students) presenting oral or poster papers at the DPS-EPSC meeting.

To apply, please send the following in a single email to [Steve Miller](mailto:s.miller@ucl.ac.uk) [4] :

s.miller@ucl.ac.uk [5]

- A copy of your meeting abstract
- A cover letter
- Your educational institution, with contact detail
- A brief (one page) CV
- The name and email address of your supervisor.
- Details of any funding you have already been allocated to attend the meeting
- Whether you received a previous travel grant from Europlanet for the 2015 meeting (Nantes).
- Please attach a letter of recommendation from your Supervisor
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These should be received by Friday July 8, 2016.

Results of applications will be announced by end of July.

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OPAG 2016 SUMMER MEETING - INFORMATION CIRCULAR

We cordially invite you to attend a face-to-face meeting of the Outer Planets Assessment Group (OPAG), scheduled for 2 days, August 11-12, 2016, in Flagstaff, AZ.

These are exciting times for OPAG, with Juno's arrival at Jupiter, the F ring and Grand Finale orbits of Cassini, Europa Clipper in Phase A, Science Definition Teams (SDT) underway for a Europa Lander mission and an Ice Giants Flagship, ESA JUICE mission in development, New-Frontiers 4 including Saturn Probes and Ocean Worlds (Enceladus and Titan), and new Earth-based telescopic possibilities. We will hear updates on all of these projects, plus a presentation on the Decadal Survey by Larry Soderblom, a summary on the work of the Roadmaps to Ocean Worlds (ROW), and updates about the Space Launch System, Participating Scientists study, PDS plans for future missions of interest to the OPAG community, MAPSIT, planetary volcanology, NASA education and communications, radioactive power systems,

and of course, R&A.

We will also introduce 6 new members of the OPAG steering committee:

Kunio Sayanagi, Carol Paty, Terry Hurford, Jeff Bowman, Amanda Hendrix,
Scott Edgington

Given the full schedule, the meeting will start at 8:00 AM each day.

Registration and information about accommodations is available here:

<http://www.cvent.com/d/3vqnfc> [6] or via <http://www.lpi.usra.edu/opag/> [7]

The meeting is open to all members of the planetary science community,
including our international colleagues.

Poster presentations on technology developments: If you want to present
a Technology poster, particularly if relevant to Ocean Worlds or Ice Giants,
please send title and authors to Pat Beauchamp, pbeauch@jpl.nasa.gov [8] and
prepare a 1-2 slide 'advertisement' for the poster.

We will also broadcast the meeting via Adobe Connect or WebEx for
those who cannot attend in person.

We look forward to seeing you in Flagstaff!

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METEORITICS AND PLANETARY SCIENCE JOURNAL SPECIAL ISSUE

The Meteoritics & Planetary Science journal (MAPS) has begun to accept
submissions for our Special Issue about the state of crater studies. Both new
research or techniques into crater population studies and review-style papers

are solicited.

To submit to this special issue, follow the normal submission steps for MAPS, and on Step 5, select the button to indicate “Yes” this is for a special issue, and then select “Issues in Crater Studies” from the drop-down list of special issues further down the page.

Submissions to this issue are expected to close on September 1, 2016. If you plan to submit to this issue, please let Stuart Robbins (stuart@boulder.swri.edu [9]) know. Please also feel free to contact him with any questions you may have.

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UPCOMING MEETINGS

A) EXPLORING THE INFRARED SOLAR SYSTEM

WITH THE JAMES WEBB SPACE TELESCOPE

31 Aug to 2 Sept 2016

The aim of this workshop is to encourage and inform Solar System scientists about the use of the James Webb Space Telescope for infrared observations of Solar System targets. The workshop will be a mixture of scientific presentations and practical sessions including the use of the JWST Astronomy Planning Tool and Exposure Time Calculator.

Registration is now open for the workshop, from 31 August to 2 September in London (at the Royal Astronomical Society)

here: <https://jwst-workshop.eventbrite.co.uk> [10]

Speakers include:

Michele Dougherty (Imperial College London)
Leigh Fletcher (Leicester)
Stefanie Milam (GSFC)
Thomas Mueller (MPE)
John Stansberry (STScI)
Gillian Wright (UKATC)

JWST is a joint mission between NASA, ESA and CSA.

B) AGU 2016 SESSION P033 "Titan: Constraining an Ocean World"

We are pleased to announce a session on Titan at this year's AGU Fall Meeting in San Francisco, 12-16th December 2016, and welcome submission of abstracts via the AGU portal at:

<https://fallmeeting.agu.org/2016/abstract-submissions/> [11]

The joint NASA/ESA Cassini mission has established Titan as a prime location for investigating the limits of life. Cassini has studied Titan's interior, seasonal changes on its surface and atmosphere, and the atmosphere's interaction with an energetic magnetosphere. Cassini finds surface-atmosphere interactions producing erosional features similar to Earth's, including dunes, mountains, rivers, alluvial deposits, and features suggesting recent cryovolcanism. There is also evidence for a salty ocean interior and accumulations of liquid hydrocarbons are evident on its surface. The atmosphere's interaction with the magnetosphere produces a continuous supply of new organic material. The inclusion of Titan as a target for exploration by missions under NASA's New Frontiers program highlights broad solar system community interest in this scientifically rich moon. This session will explore new results that intend to provide a comprehensive and integrated understanding of Titan's interior, surface, and atmosphere, along with the atmosphere's interaction with the Saturn's energetic environment.

Deadline for abstracts: Wednesday, 3 August 23:59 EDT.

Conveners: Robert M. Nelson (PSI), Rosaly Lopes (JPL),

Conor A Nixon (NASA GFSC), Joseph H Westlake (JHU APL)

C) EUROPA-ENCELADUS PLUMES MEETING

We will be hosting a Europa-Enceladus Plumes Meeting at Caltech all day on Saturday 15th October 2016, between the October Cassini PSG at JPL and the Division of Planetary Science (DPS) meeting the following week.

The purpose of the meeting will be to compare Enceladus and Europa plumes and their sources, and in particular to consider how our understanding of Enceladus' activity can be applied to European plumes, and observations of them by the Europa mission. More information will follow, at this time we are requesting that people notify us if they are interested in attending (non-binding, for room planning purposes only):<http://goo.gl/forms/hLSvt10pCe> [12]

Carly Howett, Matt Hedman, Scott Edgington and John Spencer.

D) DUST, ATMOSPHERES, AND PLASMAS (DAP) 2017

The Dust, Atmosphere and Plasma environment of the Moon and Small Bodies (DAP-2017) workshop will be a forum:

- (i) to discuss our current understanding of the surface environment of the Moon, the moons of Mars, and asteroids,
- (ii) to share new results from past and ongoing missions to airless bodies and comets, and
- (iii) to describe expectations for planned upcoming missions to airless bodies and comets.

Location: Boulder

Host: LASP

Date: January 11-13, 2017

It will be focused on the open science questions, the status and future of our supporting modeling and laboratory experimental capabilities, the definition of the required measurements and instrument capabilities for future investigations from orbit or landed on surfaces.

The invited Speakers are:

Dan Britt: Surface Properties of Asteroids

Jim Burch: Rosetta Results on Cometary Plasmas

Jasper Halekas: Plasma Environment of the Moon

Vicky Hamilton: Osiris Rex
Sascha Kempf: Europa Dust Environment
Mark Showalter: Search for the dust torus around Mars
Jamey Szalay: Dust Environment of the Moon
Alexander Zakharov: Mars, Phobos, Deimos Dust environment

We plan to have numerous contributed talks and encourage your submission(s).

The abstract submission deadline: September 15, 2016.

Please visit:

http://impact.colorado.edu/dap_meeting.html [13]

The organizers:

Alan Stern and Mihaly Horanyi

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aas.org [14])

To unsubscribe visit <http://aas.org/unsubscribe> [15] or email unsubscribe@aas.org [16].

To change your address email address@aas.org [17].

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Links:

- [1] <https://aas.org/meetings/dps48>
- [2] <https://aas.org/meetings/dps48/registration>
- [3] https://dps.aas.org/meetings/travel_grant_application
- [4] <mailto:s.miller@ucl.ac.uk?subject=Europlanet%20Travel%20Bursary>
- [5] <mailto:s.miller@ucl.ac.uk>
- [6] <http://www.cvent.com/d/3vqnfq>
- [7] <http://www.lpi.usra.edu/opag/>
- [8] <mailto:pbeaucha@jpl.nasa.gov>
- [9] <mailto:stuart@boulder.swri.edu>
- [10] <https://jwst-workshop.eventbrite.co.uk/>
- [11] <https://fallmeeting.agu.org/2016/abstract-submissions/>
- [12] <http://goo.gl/forms/hLSvt10pCe>
- [13] http://impact.colorado.edu/dap_meeting.html
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