

Newsletter 14-15

Issue 14-15, July 3, 2014

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

- 1) AAS DIVISION FOR PLANETARY SCIENCES ANNOUNCES 2014 PRIZE WINNERS
- 2) 46TH MEETING OF THE DIVISION FOR PLANETARY SCIENCES (DPS 2014) : CALL FOR PAPERS, EVENTS AND FUNDS REMINDERS
- 3) JOBS/POSITIONS OPPORTUNITIES
- 4) UPCOMING MEETINGS

+-----+

1-----1-----1-----1-----1-----1-----1-----1-----1-----1-----1-----1

AAS DIVISION FOR PLANETARY SCIENCES ANNOUNCES 2014 PRIZE WINNERS

The Division for Planetary Sciences (DPS) of the American Astronomical Society (AAS) is pleased to announce its 2014 prize winners.

- Gerard P. Kuiper Prize for outstanding contributions to the field of planetary science: Dr. Peter Gierasch made outstanding contributions to our understanding of planetary atmospheres during the 49 years of his professional career. His impact on the study of planetary atmospheres is exceptional, with some of his early papers still being frequently cited today, decades after their publication. His papers on the Martian thermal and dynamical structure (1968), zonal-mean properties of Jupiter (1986), and Venus's atmospheric rotation (1975) were groundbreaking and remain classics in the field. Long before the greenhouse effect and global warming became household terms, Peter worked these puzzles for Mars. Dr. Gierasch is a professor of astronomy at Cornell University and the co-founder of Cornell's Center for Radiophysics and Space Research, which he led for over a decade. He received his bachelor's and doctoral degrees from Harvard University in Cambridge, Massachusetts, in 1962 and 1968, respectively. He has served on numerous planetary missions, including Viking, Pioneer, Voyager, Galileo, and Cassini.

- Harold C. Urey Prize for outstanding achievement in planetary research by a young scientist: Dr. Matija Cuk's broad-ranging research is significantly contributing to unraveling the origin of the solar system's current structure. He has applied his skills across a remarkably broad range of topics: the origin and evolution of the Moon, binary asteroids and KBOs, as well as tidal evolution, orbital stability, rotational history and cratering of these bodies. Dr. Cuk devised and convincingly demonstrated the BYORP (binary Yarkovsky-O'Keefe-Radzievskii-Paddack) mechanism, in which thermal radiation forces affect the orbital and rotational histories of binary asteroids. Dr. Cuk's findings represent some of the most significant contributions to the field. Dr. Cuk, currently a researcher at the SETI Institute in Mountain View, California, obtained his bachelor's degree from University of Belgrade, Serbia. He received his master's degree and Ph.D. from Cornell University and worked as a postdoctoral fellow at Harvard University.

- Harold Masursky Award for outstanding service to planetary science and exploration: Dr. Athena Coustenis has an impressive scientific research career and has made major contributions to planetary science in the spirit of the Harold Masursky award. More than any other member of our community, Dr. Coustenis contributed to promoting and facilitating international collaboration in planetary science. Athena has played a major role in organizing the dissemination of scientific results at international conferences, including those of the European Geophysical Union, the International Association of Meteorology and Atmospheric Sciences, the Asia Oceania Geosciences Society, the DPS/AAS, the European Planetary Science Congress, as well as the AGU Goldschmidt conferences and the International Planetary Probe workshops. She has rendered outstanding service to the international planetary science community through a combination of managerial, leadership, programmatic, and

Dear DPS members, we invite you to attend the 46th Annual DPS meeting! Please note these important dates:

- 21 August 2014 : 46th DPS Regular Abstract Submission Deadline - 9:00pm ET
- 26 August 2014 : 46th DPS Early Registration Deadline
- 24 September 2014 : 46th DPS Late Abstract Submission Deadline - 9:00pm ET
- 10 October 2014 : 46th DPS Hotel Reservations Deadline

If you like paradigm-shifting oral sessions, cutting-edge poster round-ups, and rubric-smashing education and outreach workshops then you won't want to miss the 46th Annual meeting of the Division for Planetary Sciences in Tucson Arizona! At the Tucson 2014 DPS meeting, you will participate in world-class hobnobbery with an eclectic array of moon swooners, dust musters, gas bags, lava lovers, glass masters, math blasters, ring dingers, first lighters, dewar slayers, infraheads, ultrapilots, dot wranglers, plasma tamers, non-synchronous rotators, flight-rule makers, flight-rule breakers, spin doctors, planet smashers and general space cases against a backdrop of sand, bedrock, rock beds, basins, ranges, saguaro, ocotillo, mesquite, palo verde, rattle snakes, scorpions, javelina, sunshine, stars, planets, and the best sunsets you will ever see!

* Abstracts

See in

particular <http://aas.org/dps-46th-meeting/46th-dps-meeting-abstract-and-presentation-information> [4] and go to: http://abstracts.aas.org/abstract_pass/dps [5]

DPS specifies the following regulations for submission and presentation of abstracts at a Division for Planetary Sciences Meeting:

- Any person may submit an abstract.
- Presenters must be listed as the first author on the paper.
- Presenting/first author must register for the meeting.
- Nonmembers can only present once every 10 years.
- Nonmembers are required to have a sponsor who is an active AAS Full Member or DPS Affiliate; the sponsor will be notified.

The DPS Science Program is coming together. There will be a wide range of invited plenary talks and we expect plenary talks by the Urey and Kuiper prize winners.

* Accommodation and diversions

The JW Marriott Starr Pass is located about five miles west of downtown Tucson and it is a great venue with restaurants, hiking, biking, swimming, golf, and more! In case you're worried about hotel fever, we will run a regular shuttle service to downtown Tucson and the university area so you can sample the best tacos, burritos, chimichangas, vampiros, caramelos, albondigas, chile rellenos, pico de gallo, carne asada, and queso fundido west of the San Pedro, south of the Rillito and east of the Santa Cruz!

We are planning a number of diversions including a field trip to Meteor Crater, a food-truck round-up, and an art exhibition! The banquet will be held at the Arizona-Sonora Desert Museum, which will be open and fully available to attendees!

Please see <http://aas.org/meetings/dps46> [1] for more information!

* Funds

Please also remember to donate to the professional development award for planetary scientists, the Susan Niebur Professional Development Fund. The fund will provide financial assistance to qualifying

homepage:

<http://www.lpi.usra.edu/opag/> [11]

Please note that the deadline for getting hotel rooms at the group rate is June 23. The agenda will be posted soon.

Candy Hansen
OPAG Chair

B) SMALL BODIES ASSESSMENT GROUP 11 MEETING

Logistical details and a draft agenda are now available on the SBAG website for the 11th SBAG Meeting:

11th Meeting of the NASA Small Bodies Assessment Group
July 29-31, 2014
Washington, DC

<http://www.lpi.usra.edu/sbag/> [12]

Participation is open to all. Participants are requested to register using the SBAG 11 website, and registration is free.

C) IPM-2014

Preparations are well under way for the 2nd International Workshop on 'Instrumentation for Planetary Missions' (IPM-2014) to be held November 4-7, 2014.

The objective of the Workshop is to have a broad canvas of instrumentation and technology available to 'Decadal Survey' missions and those further out. It is also meant to be a forum of collaboration, exchange and discussions where science questions, and the technology needed to address them, are discussed.

Exceptional keynote and invited speakers are a highlighted part of the program.

Visit the link below to submit an abstract by Aug 25, 2014 and view details regarding registration:

<http://ssed.gsfc.nasa.gov/IPM/> [13]

We encourage you to submit an abstract and be part of this unique international gathering focused on instrumentation for planetary missions.

The first such Workshop held in 2012 was attended by 230 people from across the globe. Early indications suggest that this one will surpass that.

Mark your calendar! Be part of this unique experience!

POC: Brook Lakew <brook.lakew@nasa.gov> [14]

D) 2014 AGU FALL MEETING

December 15-19, 2014
San Francisco, CA, USA

The abstract deadline for all submissions is 6 August 23:59 EDT/03:59 +1 GMT and no abstracts will be accepted after this date.

- Special Session : Planetary Atmospheres and Their Evolution

Session ID#: 1521

Understanding the evolutionary histories of planetary atmospheres is one of the key scientific questions driving planetary mission planning. While the evolution of our own planet, the Earth, is constrained by geological and geochemical data, the evolutionary paths of other planetary bodies in and outside our solar system must be determined from planetary mission data and astronomical observations. The discoveries of extrasolar planets greatly expand the interests of the scientific community and provide a new opportunity for interdisciplinary collaborations between geoscientists, astronomers, and planetary scientists. The session welcomes both observational and theoretical studies relevant to the evolution of planetary objects in and outside of our solar system (including the Earth).

- Special Session : ENCELADUS: A HABITABLE WORLD

Session Title: Enceladus: A Habitable World

Session ID: #1492

Conveners: Carolyn Porco, Chris McKay

Geysers of icy particles and vapor, with trace amounts of organic compounds, erupting from warm fractures and deriving from a salty, subsurface sea make the Saturnian moon Enceladus the most accessible extraterrestrial habitable zone in our solar system. In this special session, now in its 9th year, we continue our focus on those topics relating to the origin and state of the moon's geologically active south polar terrain (SPT). These include observational, theoretical and modeling investigations of the composition, state, and dynamics of Enceladus' jets and plume, its thermal and interior state and evolution, and the geomorphology of the SPT and similar provinces. We also welcome studies addressing future spaceflight missions and the moon's potential for biological activity.

If you love Enceladus as much as we do, and you have new results that fit the topics above, and you're eager to share them with other Enceladus fans, please consider submitting an abstract to this special AGU session.

Hope to see you in San Francisco!

E) SECOND WORKSHOP ON EXPERIMENTAL LABORATORY ASTROPHYSICS

Poipu, Kauai, Hawaii,
February 23-26, 2015

<http://www.chem.hawaii.edu/Bil301/Ice2015.html> [15]

We wish to bring to your attention announcement of the Second Workshop on Experimental Laboratory Astrophysics to be held in Poipu, Kauai, Hawaii, February 23-26, 2015.

Contributed talks (30 min) and poster presentations are invited for the 'Second Workshop on



Experimental Laboratory Astrophysics' in Poipu, Kauai, Hawaii, February 23-26, 2015. During the last decade, significant new experimental techniques have been developed to investigate the interaction of ionizing radiation (UV, VUV, gamma rays, charged particles) and of neutrals (atoms, radicals, molecules, grains) with surfaces of solids (ices, minerals, carbonaceous compounds) in the Solar System and in the Interstellar Medium (ISM). These processes provide new fundamental insights - sometimes on the molecular level - into the processes that are critical to the chemistry in the ISM, star and planet forming regions, and on/in icy objects in the Solar System from the formation of the simplest molecule (molecular hydrogen) to astrobiologically important species such as amino acids and sugars. There is an increasing convergence of interests of these fields, so a 'united', bi-annual workshop is highly desired.

Based on the successful first workshop in 2013, the second workshop features invited (senior and junior researchers) as well as contributed talks covering the interaction of ionizing radiation (UV, VUV, gamma rays, charged particles) and neutrals (atoms, radicals, molecules, grains) with low temperature solids (ices, minerals, organics). The talks can be extended to observations, modeling, and electronic structure calculations, if these topics can be linked - as evident from the abstract - to laboratory experiments. Also, poster submissions are highly encouraged; this will allow a broad participation of newcomers to the field (students, postdocs).

Accommodation: The workshop will take place in the Sheraton Kauai Resort in Poipu, Kauai, Hawaii, starting with a reception and registration on February 22, 2015, at 6 pm (Sunday). The hotel will allocate a block of rooms for workshop participants. Reservations must be made by December 1, 2014. Group rates are available three days pre and post group arrival and departure dates.

Transportation: Sheraton Kauai Resort is a short drive (20 minutes) from the airport (LIH). LIH can be reached from LAX, SFO, or HNL.

Registration: Registration and abstract submission open July 1, 2014, with deadlines on December 1, 2014. The registration fee of \$ 350 includes the reception, snacks, and a book-of-abstracts; the late registration fee after December 1, 2014, is \$ 600. No refunds will be given after December 1, 2014. Further information will be posted soon.

The Organizers

Brant Jones, University of Hawaii, Murthy Gudipati, JPL, Mark Loeffler, NASA Goddard, Gianfranco Vidali, Syracuse University, Helen Fraser, Open University, UK, Ralf I. Kaiser, University of Hawaii, Naoki Watanabe, University of Hokkaido, Japan

-----+

Send submissions to:

Athena Coustenis, DPS Secretary (dpssec@aaas.org [16])

To unsubscribe visit <http://aaas.org/unsubscribe> [17] or email unsubscribe@aaas.org [18].

To change your address email address@aaas.org [19].

Footer

- [Reports](#)
- [Photos](#)
- [History](#)
- [Bylaws](#)

- [Giving](#)

Source URL: <https://dps.aas.org/newsletters/14-15>

Links

- [1] <http://aas.org/meetings/dps46>
- [2] <mailto:dpspress@aas.org>
- [3] <mailto:dpschair@aas.org>
- [4] <http://aas.org/dps-46th-meeting/46th-dps-meeting-abstract-and-presentation-information>
- [5] http://abstracts.aas.org/abstract_pass/dps
- [6] <http://aas.org/dps-46th-meeting/46th-dps-meeting-dependent-care>
- [7] <http://dps.aas.org/jobs>
- [8] <http://dps.aas.org/node/add/job>
- [9] <mailto:dpsjobs@aas.org>
- [10] <http://tinyurl.com/CDAPS2014>
- [11] <http://www.lpi.usra.edu/opag/>
- [12] <http://www.lpi.usra.edu/sbag/>
- [13] <http://ssed.gsfc.nasa.gov/IPM/>
- [14] <mailto:brook.lakew@nasa.gov>
- [15] <http://www.chem.hawaii.edu/Bil301/lce2015.html>
- [16] <mailto:dpssec@aas.org>
- [17] <http://aas.org/unsubscribe>
- [18] <mailto:unsubscribe@aas.org>
- [19] <mailto:address@aas.org>