

## Newsletter 13-23

Issue 13-23, September 17, 2013

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### 45TH MEETING OF THE DIVISION FOR PLANETARY SCIENCES: REMINDERS

Denver, CO, 6-11 October 2013 - - a fantastic program of planetary science!  
<http://aas.org/meetings/45th-meeting-division-planetary-sciences> [1]

From the LOC:

Yes, Colorado has had a soaking..

The Boulder & Front Range had bad floods - drying out soon, we hope.

But Denver will be dry and sunny by DPS!

More reminders hereafter

#### 1. Registration (never too late !)

You can still register for the meeting and you can also register at the meeting.

If you volunteer for 16 hours you get free registration.

Due to the difficult situation some NASA colleagues are facing this year, we will not reinforce the prior registration policy. Note then that you will be able to also register on site !

#### 2. Hotel Information

DPS has secured rooms at the Sheraton Downtown Denver Hotel.

The deadline to make reservations is 3 September 2013. Booking outside of our reserved block results in significant increase in meeting costs for everyone.

#### 3. Calling for volunteers !

The American Astronomical Society and DPS are looking for volunteers to help out at the 45th Meeting of DPS in Denver, CO. We love getting help from undergrads, grads, postdocs, and local amateur astronomers at our meetings: to supervise sessions, help at registration, usher at events, and various other odd (but greatly appreciated) jobs. This is a great chance to meet and mingle with your peers, get up to date on the newest science, and pick up some cool freebies in the Exhibit Hall.

Volunteers that sign up to work a minimum of 16 hours receive complimentary meeting registration, volunteer t-shirts, and access to the Exhibit Hall and all the sessions. We also provide complimentary lunch and parking on the days you work 4 or more hours.

If interested, please contact Kathy Cox at [kathy.cox@aas.org](mailto:kathy.cox@aas.org) [2] or 202-328-2010 x117.

#### 4. Student/Post-Doc Reception

The DPS is a Division of the

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Sun. 6 Oct. 2013, 4:30-6:00pm. DPS meetings are great places for students to network among other scientists, to learn about how other scientists encounter scientific problems, and get new ideas. However, there are so many great presentations, talks, events, and information in a short time that the students rarely find time to network among other students and get advice close to their own level. This event will help students meet other students, in particular those who work on similar topics, to discuss their scientific views and general issues, and encourages the students to participate in brain storming conversations and joint projects. Since the post-docs were graduate students not so long ago, their advise and experience is valuable to graduate students, and for that reason this event will include post-docs as well. With these grounds, the goal of the student and post-doc reception is to prepare an icebreaker environment for students and post-docs to get familiar with each other on the first day of the meeting and use the rest of the meeting to enhance those connections and get involved with other activities.

Contact Al Khayat <[khayat@ifa.hawaii.edu](mailto:khayat@ifa.hawaii.edu) [3]>.

#### 5. Pro-Am Workshop

Thurs. Oct. 10th at 6:00pm. DPS is experimenting with a professional-amateur workshop where professionals present what opportunities are out there for collaborations with NASA missions and amateurs show samples of their observations. Examples: observing Pluto during New Horizons flyby, observing Jupiter's clouds while Juno flies over the poles, taking images of comet ISON to find time-variability, light-curves of asteroids, follow-up on NEOs, searches for Moon impacts (perhaps related to LADEE), Mars observations during MAVEN, etc, etc, etc). Participants wishing to present (5 mins, 5 slides) send title & description (<200 words) to [frbagenal@gmail.com](mailto:frbagenal@gmail.com) [4]. Organizer: Fran Bagenal, University of Colorado.

#### 6. Exhibiting at DPS

Exhibitors at the DPS Meeting have an opportunity to speak directly with the customers they are serving. If your institution, observatory, company, lab or university is doing business in astronomy...you need to be exhibiting at the DPS Meeting in Denver. Contact Debbie Kovalsky, [debbie.kovalsky@aas.org](mailto:debbie.kovalsky@aas.org) [5] or 202-328-2010 x110.

<http://aas.org/dps-45th-meeting/45th-dps-meeting-exhibitor-and-sponsorsh...> [6]

#### 7. Banquet :

Come to Denver Museum of Nature & Science for the DPS Banquet on Wed. Oct. 9th  
Fun evening of good food, music (in planetarium, featuring surprise planetary musician) and a free roam of the Space Odyssey and Gems & Minerals (including spectacular gold from the Colorado hills). No speeches!

Student Ticket: \$60

Regular Ticket: \$80

Please sign-up for the Banquet using the online registration form. If you have already registered for the meeting but would like to attend the Banquet, please call our Registrar Tracy Beale at 202-328-2010 ext. 106.

#### 8. Sponsorship Opportunities

Are you looking for more exposure for your company and a way to support astronomy? Look no further than a DPS Meeting Sponsorship. We can customize packages to fit your budget and needs. Contact Debbie Kovalsky, [debbie.kovalsky@aas.org](mailto:debbie.kovalsky@aas.org) [5] or 202-328-2010 x110.

<http://aas.org/dps-45th-meeting/45th-dps-meeting-exhibitor-and-sponsorsh...> [6]

#### 9. Donations

Please also remember to donate to the new professional development award for planetary scientists, the Susan Niebur Professional Development Fund. The fund will provide financial assistance to qualifying DPS members to facilitate their attendance at the annual DPS meeting by offsetting dependent-care costs, either at the meeting location or at home during the week of the conference. In this, its inaugural year, the Susan Niebur Professional Development Fund will support Dependent Care Grants for the 45th annual meeting of the DPS in Denver, Colorado, 6-11 October 2013.

To apply, please fill out the online form by Sept. 2, 2013 at:  
<http://aas.org/dps-45th-meeting/45th-dps-meeting-dependent-care> [7]

More information about the new fund, including how to donate:  
<http://dps.aas.org/development/susan-niebur-professional-development-fund> [8]

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**NOAO PROPOSALS FOR SEMESTER 2014A DUE SOON**  
Mia Hartman, NOAO

The National Optical Astronomy Observatory invites observing proposals for the period 1 February - 31 July 2014. Time is available on telescopes at Kitt Peak, Cerro Tololo, Mauna Kea, and other observatories. Deadline: 26 September 2013.

<http://aas.org/posts/opportunity/2013/09/noao-call-proposals-2014a-due-soon> [9]

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**PLANETARY SCIENCE SUBCOMMITTEE MEETING**

Tuesday, October 1, 2013, 8:30AM-4:30PM Eastern  
Wednesday, October 2, 2013, 8:30AM-3:30PM Eastern

NASA Headquarters, Room 9H40  
Washington DC

**Agenda:**

- Planetary Science Division Update
- Mars Exploration Program Update
- Government Performance and Results Act Presentation and Scoring
- Assessment Group Updates

**Webex:**

<https://nasa.webex.com/> [10]

To participate by telecon:  
800-857-7040, pass code PSS

The meeting number on October 1 is 997 670 187, password PSS@Oct1;  
the meeting number on October 2 is 990 912 672, password PSS@Oct2.

**For further information, go to:**

<https://www.federalregister.gov/articles/2013/09/12/2013-22219> [11]  
/nasa-advisory-council-science-committee-planetary-science  
-subcommittee-meeting

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## PLANETARY SPACE SCIENCE SPECIAL ISSUE ON OUTER PLANET SYSTEMS X : CALL FOR PAPERS

We invite colleagues who have recently given a presentation or plan to give one concerning outer planets and their systems at one of the 2013 Planetary meetings (EGU, EPSC, AOGS, etc), to submit a paper in a new special issue of Planetary and Space Science on the subject of the sessions : "Atmospheres, Magnetospheres and Surfaces of the outer planets, their satellites and ring systems: Part X".

All papers presented in these meetings (solicited, contributed, oral and posters) and concerning results on the outer planets and their systems, as well as laboratory or modelling work for the analysis of such data, are welcome to an article in this issue of PSS. In addition, we invite papers from presentations related to and white papers submitted in response to ESA's L2-L3 call for science themes, and related workshops, like the upcoming Uranus one in Paris-Meudon Observatory.

The Elsevier Editorial System is now ready for article submission.

Instructions for submission:

- The submission website for this journal is located at: <http://ees.elsevier.com/pss/default.asp> [12]
- To ensure that all manuscripts are correctly identified for inclusion into the special issue you are editing, it is important that authors select Outer Planets X when they reach the "Article Type" step in the submission process.

The usual refereeing process is applied for publication in PSS. The deadline for submission of the manuscripts for this issue will be mid December 2013.

AS A FIRST STEP WE ASK FOR AN INDICATION OF INTEREST FROM THE AUTHORS SO AS TO KNOW HOW MANY PAPERS MIGHT BE EXPECTED, PREFERABLY BY END OF SEPTEMBER 2013 OR BEFORE. SEND AN E-MAIL TO THE EDITORS HEREAFTER.

The Editors:

Athena Coustenis ([Athena.Coustenis@obspm.fr](mailto:Athena.Coustenis@obspm.fr) [13])

Sushil Atreya ([atreya@umich.edu](mailto:atreya@umich.edu) [14])

Julie Castillo ([jccastil@jpl.nasa.gov](mailto:jccastil@jpl.nasa.gov) [15])

Patrice Coll ([pcoll@lisa.univ-paris12.fr](mailto:pcoll@lisa.univ-paris12.fr) [16])

Ingo Müller-Wodarg ([i.mueller-wodarg@imperial.ac.uk](mailto:i.mueller-wodarg@imperial.ac.uk) [17])

Linda Spilker ([Linda.J.Spilker@jpl.nasa.gov](mailto:Linda.J.Spilker@jpl.nasa.gov) [18])

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## JOBS/POSITIONS OPPORTUNITIES

For all Job opportunities, please visit <http://dps.aas.org/jobs> [19]  
and also consider posting a job by filling out the jobs submission form at:  
<http://dps.aas.org/node/add/job> [20]

You can send any comments, questions, or suggestions to the DPS Jobs Czar at: [dpsjobs@aas.org](mailto:dpsjobs@aas.org) [21]

## A) CPS POSTDOCTORAL FELLOWSHIPS IN PLANETARY/EXOPLANET SCIENCE

The Centre for Planetary Sciences (CPS) at the University of Toronto is a centre for the study of all planets, near and far. The CPS expects to offer several postdoctoral fellowships of up to three years.

The starting date will be September 1, 2014. Salaries and funds for travel/research expenses will be competitive. A Ph.D. in any field of earth and planetary sciences or astrophysics is required. Fellows are expected to carry out original research in observational or theoretical planetary/exoplanet science under the general supervision of the permanent CPS-affiliated faculty, from several relevant departments at UofT. We only accept electronic submissions (via email at [kristen.menou@utoronto.ca](mailto:kristen.menou@utoronto.ca) [22]). Applicants will be asked to submit a curriculum vitae, statement of research interests (3 pages) and arrange for three letters of recommendation. The deadline for applications and all letters of recommendation is December 1, 2013. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

#### B) CALTECH JOB ANNOUNCEMENT

Assistant professor, tenure track, at Caltech in any area of interest to the Division of Geological and Planetary Sciences. This includes all aspects of planetary science. Open until filled. Exceptionally well-qualified candidates may also be considered at the tenured professor level. For details go to:

<https://applications.caltech.edu/job/gps> [23]

#### C) DEPARTMENT OF GEOLOGY AT THE UNIVERSITY AT BUFFALO - TWO TENURE-TRACK FACULTY POSITIONS

Applications are invited for:

Assistant or Associate Professor of Near-Surface Geophysics or Hydrogeophysics. We seek a scholar who applies geophysical techniques to solve hydrogeologic problems. Researchers interested in developing novel approaches to characterize hydrogeologic processes and/or properties and/or by combining data from multiple tools are of particular interest.

Assistant Professor of Volcanology. Preference given to candidates with a background and interest in geophysical approaches to understanding and anticipating volcanic eruptions, and associated hazard assessment and mitigation strategies.

Successful candidates will: 1) join the department's environmental and volcanology groups that maintain interdisciplinary collaborations, and may interact with UB's Center for Geohazards Studies; 2) develop and maintain extramurally funded research programs; 3) demonstrate commitment to teaching and will instruct undergraduate and graduate-level courses. Service to the discipline, department and/or university is expected. A Ph.D. is required at the time of appointment.

Applications must be submitted through the UB Jobs website;

-Near-Surface Geophysics (posting #1300569):

<https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=56486> [24]

-Volcanology (posting #1300570):

<https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=56487> [25]

Application reviews begin on Oct. 1, 2013 and continue until the position is filled. Send inquiries to [geology@buffalo.edu](mailto:geology@buffalo.edu) [26]. The University at Buffalo is an Affirmative Action/Equal Opportunity Employer (AA/EOE).

**D) RESEARCH ASSOCIATE IN PLANETARY RING STUDIES**

We invite applications for a position as a Research Associate at Cornell University. This will support investigations into planetary ring processes, in particular the planning and analysis of imaging (ISS) and infrared (VIMS) observations obtained by the Cassini mission now orbiting Saturn. Our specific interests lie in structural and dynamical processes of Saturn's rings, including its main and faint rings and small satellites. Candidates must have a PhD in the physical sciences (planetary science, astronomy, physics, geophysics, or related fields).

The initial appointment is for one year, but the appointment is renewable for at least an additional year. Review of applications has begun, but we will accept applications until September 30. The expected start date is later in fall 2013, but is negotiable.

Applicants should submit a resume, a one-page statement of research experience and interests, and names of three potential references to Lynda Sovocool ([lmk3@cornell.edu](mailto:lmk3@cornell.edu) [27]), Human Resource Manager, 106 Space Sciences Bldg., Cornell University, Ithaca NY 14853.

Cornell University is an EEO/AA/Title IX/Section 504/ADA employer.

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**UPCOMING MEETINGS**

See also: PLANETARY MEETING CALENDAR ADDITIONS

Posted at <http://planetarynews.org/meetings.html> [28]

**A) NRAO COMMUNITY EVENT AT THE 45TH DPS MEETING: ENHANCING YOUR SOLAR SYSTEM SCIENCE WITH THE BEST RADIO/MM/SUBMM FACILITIES**

Monday October 7th, 12-1:30pm, Sheraton Denver Downtown Hotel

The National Radio Astronomy Observatory (NRAO) cordially invites you to a NRAO Community Event at the 45th DPS meeting. This event is specifically designed for the planetary science community, and in particular for those who do not regularly utilize radio data in their research. If you would like to learn more about the science that is possible with NRAO facilities for Solar System research and the proposal / observations process - this session is for you!

We will provide a brief overview of the NRAO facilities and their instruments followed by broad talks describing the variety of submm, mm and cm observations possible for Solar System bodies by I. de Pater (Berkeley) and M. Kelley (U. Maryland). We will discuss practical information on how to design and optimize proposals, focusing on the recent call for proposals for ALMA Cycle 2 proposals. We will also provide hands-on demonstration of the NRAO proposal tools.

No registration is required to attend the event but we will provide lunch for those registering early on our website (<https://science.nrao.edu/php/nrao-cd-dps/index.php> [29]). We strongly encourage early registration on our website so that we can best organize the event and add you to the event e-mail list for further communication.

We look forward to seeing you at the DPS!

The organizers,  
Kartik Sheth & Arielle Moullet  
Contacts : [ksheth@nrao.edu](mailto:ksheth@nrao.edu) [30]; [amoullet@nrao.edu](mailto:amoullet@nrao.edu) [31]

#### B) JWST TOWNHALL AT THE DPS 2013 MEETING: OBSERVATIONS IN THE SOLAR SYSTEM

When: Thursday, October 10, 2013 12-1pm  
Where: Sheraton Denver Downtown Hotel, Plaza ABC  
How: Email [stefanie.n.milam \(at\) nasa.gov](mailto:stefanie.n.milam@nasa.gov) to register.

NOTE: Northrop Grumman will sponsor a free lunch for pre-registered attendees only.

Last year we held a workshop to provide the community details about the current instrument specifications and observing modes for solar system targets, as well as the observatory constraints such as brightness limits on planets, moving targets, tracking, and others. All details can be found online at:  
<http://www.stsci.edu/jwst/science/solar-system> [32]

This Town Hall meeting will bring the community up to speed on the accomplishments and status of the recommendations provided to the JWST team last year regarding solar system observations and solicits the community for further input. We will feature a short science presentation by Andrew Rivkin (JHU/APL).

#### C) 2013 DPS WOMEN IN PLANETARY SCIENCE LUNCH

Join us for an informal meeting and discussion hour over lunch at the Division of Planetary Sciences Meeting in Denver, CO. This year's overall topic will be leadership. We will have a brief presentation, but are planning for a very interactive program with lots of time for discussion among participants. Please feel free to bring any information/announcements related to women in astronomy and planetary science to share. Due to the generosity of the DPS committee, we will be able to provide boxed lunches this year. All are welcome! RSVPs are requested due to space limitations and for planning the lunch order:

[http://bit.ly/WIA\\_2013](http://bit.ly/WIA_2013) [33]

Important: I have just been alerted that the catering order needs to be placed by Sept. 15th, so please RSVP if you think you might attend, and please pass this invite and RSVP page on to interested persons!

Sincerely,  
Kelsi Singer and the Professional Development Committee of the DPS

#### D) NASA EXOPAG CONVENES IN CONJUNCTION WITH 45TH DPS MEETING

B. Scott Gaudi, Ohio State Univ.

NASA's Exoplanet Exploration Program Analysis Group holds its 8th meeting just prior to, and at the same venue as, the upcoming DPS meeting in Denver. ExoPAG meetings offer an opportunity to discuss scientific and technical issues and to provide input to NASA.

<http://aas.org/posts/news/2013/08/nasa-exopag-convenes-conjunction-45th-...> [34]

**E) 40TH SCIENTIFIC ASSEMBLY OF THE COMMITTEE ON SPACE RESEARCH (COSPAR) AND ASSOCIATED EVENTS "COSPAR 2014"**

Date: 2 - 10 August 2014

Place: Moscow, Russia

**Contact:**

COSPAR Secretariat, c/o CNES, 2 place Maurice Quentin, 75039 Paris Cedex 01, France

Tel: +33 1 44 76 75 10

Fax: +33 1 44 76 74 37

[cospar@cosparhq.cnes.fr](mailto:cospar@cosparhq.cnes.fr) [35]

<http://www.cospar-assembly.org> [36] or <http://cospar2014moscow.com/> [37]

**Scientific Program Chair:**

Prof. Mikhail Panasyuk, Moscow State University

Abstract Deadline: 14 February 2014

**Topics:**

119 meetings covering the fields of COSPAR Scientific Commissions (SC) and Panels (full list available at <http://www.cospar-assembly.org> [36]):

- SC A: The Earth's Surface, Meteorology and Climate
- SC B: The Earth-Moon System, Planets, and Small Bodies of the Solar System
- SC C: The Upper Atmospheres of the Earth and Planets Including Reference Atmospheres
- SC D: Space Plasmas in the Solar System, Including Planetary Magnetospheres
- SC E: Research in Astrophysics from Space
- SC F: Life Sciences as Related to Space
- SC G: Materials Sciences in Space
- SC H: Fundamental Physics in Space
- Panel on Satellite Dynamics (PSD)
- Panel on Scientific Ballooning (PSB)
- Panel on Potentially Environmentally Detrimental Activities in Space (PEDAS)
- Panel on Radiation Belt Environment Modelling (PRBEM)
- Panel on Space Weather (PSW)
- Panel on Planetary Protection (PPP)
- Panel on Capacity Building (PCB)
- Panel on Education (PE)
- Panel on Exploration (PEX)
- Special events: Interdisciplinary lectures, space agency round table, etc.

Selected papers published in *Advances in Space Research* and *Life Sciences in Space Research*, fully refereed journals with no deadlines open to all submissions in relevant fields.

**F) EXOCLIMES III: THE DIVERSITY OF PLANETARY ATMOSPHERES**

We are pleased to invite you to the Third Exoclimes Conference on the diversity of planetary atmospheres, from Earth to exoplanets. This international meeting will take place in Davos, Switzerland, on 9-14 February 2014.

The objective of the meeting is to bring together Earth, Solar System and Exoplanet specialists to discuss recent results and the way ahead. It follows on two successful previous editions, in Exeter in 2010 and Aspen in 2012. Review talks cover topics from Earth's paleo-climates





to Jupiter and Titan, to the atmosphere of exoplanets and cool brown dwarfs, and focus on comparative planetology with a wide perspective.

More information is available at:

<http://www.exoclimes.org> [38]

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Send submissions to:

Athena Coustenis, DPS Secretary ([dpssec@aaas.org](mailto:dpssec@aaas.org) [39])

To unsubscribe visit <http://aas.org/unsubscribe> [40] or email [unsubscribe@aaas.org](mailto:unsubscribe@aaas.org) [41].

To change your address email [address@aaas.org](mailto:address@aaas.org) [42].

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## Links

- [1] <http://aas.org/meetings/45th-meeting-division-planetary-sciences>
- [2] <mailto:kathy.cox@aaas.org>
- [3] <mailto:khayat@ifa.hawaii.edu>
- [4] <mailto:frbagenal@gmail.com>
- [5] <mailto:debbie.kovalsky@aaas.org>
- [6] <http://aas.org/dps-45th-meeting/45th-dps-meeting-exhibitor-and-sponsorship-opportunities>
- [7] <http://aas.org/dps-45th-meeting/45th-dps-meeting-dependent-care>
- [8] <http://dps.aas.org/development/susan-niebur-professional-development-fund>
- [9] <http://aas.org/posts/opportunity/2013/09/noao-call-proposals-2014a-due-soon>
- [10] <https://nasa.webex.com/>
- [11] <https://www.federalregister.gov/articles/2013/09/12/2013-22219>
- [12] <http://ees.elsevier.com/pss/default.asp>
- [13] <mailto:Athena.Coustenis@obspm.fr>
- [14] <mailto:atreya@umich.edu>
- [15] <mailto:jccastil@jpl.nasa.gov>
- [16] <mailto:pcoll@lisa.univ-paris12.fr>
- [17] <mailto:i.mueller-wodarg@imperial.ac.uk>

- [18] <mailto:Linda.J.Spilker@jpl.nasa.gov>
- [19] <http://dps.aas.org/jobs>
- [20] <http://dps.aas.org/node/add/job>
- [21] <mailto:dpsjobs@aas.org>
- [22] <mailto:kristen.menou@utoronto.ca>
- [23] <https://applications.caltech.edu/job/gps>
- [24] <https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=56486>
- [25] <https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=56487>
- [26] <mailto:geology@buffalo.edu>
- [27] <mailto:lmk3@cornell.edu>
- [28] <http://planetarynews.org/meetings.html>
- [29] <https://science.nrao.edu/php/nrao-cd-dps/index.php>
- [30] <mailto:ksheth@nrao.edu>
- [31] <mailto:amouillet@nrao.edu>
- [32] <http://www.stsci.edu/jwst/science/solar-system>
- [33] [http://bit.ly/WIA\\_2013](http://bit.ly/WIA_2013)
- [34] <http://aas.org/posts/news/2013/08/nasa-exopag-convenes-conjunction-45th-dps-meeting>
- [35] <mailto:cospar@cosparhq.cnes.fr>
- [36] <http://www.cospar-assembly.org>
- [37] <http://cospar2014moscow.com/>
- [38] <http://www.exoclimes.org>
- [39] <mailto:dpssec@aas.org>
- [40] <http://aas.org/unsubscribe>
- [41] <mailto:unsubscribe@aas.org>
- [42] <mailto:address@aas.org>