

Newsletter 12-28

Issue 12-28, December 3, 2012

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

- 1) NEW "DISCOVERIES IN PLANETARY SCIENCE" CLASSROOM POWERPOINTS AVAILABLE IN ENGLISH, SPANISH, AND FARSI
- 2) GRADUATE STUDENTS ELIGIBLE FOR THE LPI CAREER DEVELOPMENT AWARD
- 3) REQUESTING CONCEPTS FOR APPLICATIONS OF LARGE SPACE OPTICS
- 4) JOB/POSITION OPPORTUNITIES
- 5) UPCOMING MEETINGS

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

NEW "DISCOVERIES IN PLANETARY SCIENCE" CLASSROOM POWERPOINTS AVAILABLE IN ENGLISH, SPANISH, AND FARSI

The DPS Education Subcommittee announces the 6th release of "Discoveries in Planetary Science" Classroom Powerpoints, covering three new topics:

- Mercury Hollows
- Man in the Moon
- The Size of Eris

These are succinct summaries of discoveries too recent to appear in "Intro Astronomy" college textbooks; each set consists of just three slides to be shown: the discovery itself, a basic explanation based on good planetary science, and the "big picture" context. Another page for further information is provided as well. Powerpoints and pdf's can be downloaded from <http://dps.aas.org/education/dpsdisc> [1].

By popular request, all available slide sets have now been translated into both Spanish and Farsi. Versions in other languages should become available in the coming months. Planetary scientists with recent or upcoming results of broad interest are encouraged to submit them for consideration by providing an initial draft using the template provided on the website. For more information, contact Nick Schneider & Dave Brain at dpsdisc@aas.org [2]

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GRADUATE STUDENTS ELIGIBLE FOR THE LPI CAREER DEVELOPMENT AWARD

Please pass this on to students who may be interested:

The Lunar and Planetary Institute (LPI) is proud to announce its sixth LPI Career Development Award, which is open to both U.S. and non-U.S. applicants. This award will be given to graduate students who have submitted a first-author abstract for presentation at the 44th Lunar and Planetary Science Conference (LPSC).

A travel stipend of \$1000.00 will be awarded to the top applicants to help cover travel expenses for attending the LPSC in March. Awards will be based on a review of the application materials by a panel of lunar and planetary scientists.

The application deadline for the LPI Career Development Award is January 11, 2013.

Applications must include:

- Letter outlining why the applicant would like to participate at the LPSC and what he or she will contribute to the conference
- Letter of recommendation from his or her research advisor
- Copy of the first-author abstract
- Curriculum vitae for the applicant

NEW for this year: Applications and all accompanying materials must be submitted electronically. Note that all documents listed above will need to be uploaded in text or PDF format.

To apply, visit the website:

https://www.lpi.usra.edu/Awards/lpi_career/ [3]

Questions should be directed to:

Dr. Stephen Mackwell
c/o Claudia Quintana
3600 Bay Area Boulevard
Houston TX 77058-1113
cquintana@hou.usra.edu [4]

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REQUESTING CONCEPTS FOR APPLICATIONS OF LARGE SPACE OPTICS

Solicitation Number: NNH13ZDA002L
Release Date: 11/26/12
Response Date: 1/7/13
Recovery and Reinvestment Act Action: No
Classification Code: A - Research and Development
Issued by: Science Mission Directorate
Description

NASA is soliciting broad community inputs in support of a study activity focused on utilization of large flight qualified optical systems recently transferred to NASA from another Government Agency. The Study on Applications of Large Space Optics (SALSO) activity is a multistep process to develop a representative set of options for the use of these assets that draws on government, academic and industry capabilities to address Agency-wide needs.

The goal of the overall study is to gather and assess concepts for possible utilization of the recently acquired systems for Agency goals aligned with 5 principal areas; space technology, human exploration and operations, heliophysics, planetary science, and astrophysics (excluding an infrared wide field survey). The SALSO activity consists of a managed workshop and follow-on study of concepts flowing from the workshop process. NASA encourages submission of concepts that address multiple NASA objectives (above); make innovative use of NASA capabilities and/or anticipated commercial services; and/or incorporate innovative processes or partnership arrangements.

NASA has posted Agency goals, guidance and technical information about the space optics systems at the SALSO website, <http://science.nasa.gov/salso/> [5]. Complete information on submission of concepts and other details regarding SALSO activities are also posted at this site. Respondents and other interested persons should check the site often for pertinent information and updates.

Responses must be received by the due date above and shall not exceed four pages total using no smaller than 12 point type; this requirement shall include a 4-quadrant summary chart and a concept description including all text, tables and illustrations. Detailed information about submission requirements are provided at the SALSO website.

It is NASA's intention to invite formal presentations and discussions of compelling responses at a

workshop hosted by NASA's Marshall Space Flight Center in Huntsville, AL, on February 5 and 6, 2013. Details about the workshop are also provided at the SALSO website.

Submission of responses must be via email to tia.ferguson@nasa.gov [6] <<mailto:tia.ferguson@nasa.gov>> [7]. The subject line of the submission should include "SALSO RFI" and attachments should be in PDF format. The body of the email message should identify a point-of-contact and provide his or her name, address, telephone numbers, and email address. Additional submission details are provided in the website.

Only material suitable for full and open distribution shall be submitted and submittals shall be considered approved by the providing organization to be suitable for full and open distribution. No proprietary, export controlled, classified or sensitive material should be provided in either abstracts or presentations. Submittals identified as containing such material shall be destroyed and not further considered.

The information requested is for planning purposes only, subject to FAR Clause 52.215-3, entitled "Solicitation for Information or Planning Purposes." The Government does not intend to award a contract on the basis of this solicitation or to otherwise pay for the information solicited except as provided in subsection 31.205-18, Bid and Proposal (B&P) costs, of the Federal Acquisition Regulation.

Point of Contact:

W. George Fletcher
SALSO Project Manager
Phone: 256-544-5151
Fax: 256-544-5422

E-mail: george.fletcher@nasa.gov [8] <<mailto:george.fletcher@nasa.gov>> [9]

4-----4-----4-----4-----4-----4-----4-----4-----4
JOB/POSITION OPPORTUNITIES

[Please visit the DPS web site at : <http://dps.aas.org/jobs> [10]
for more information and also consider posting a job by filling out the jobs submission form at:
<http://dps.aas.org/node/add/job> [11]

You can send any comments, questions, or suggestions to the DPS Jobs Czar at: dpsjobs@aas.org [12]]

A) FACULTY POSITION IN PLANETARY SCIENCE, JOHNS HOPKINS UNIVERSITY

The Department of Earth and Planetary Sciences invites applications for the first of three anticipated tenure-track faculty positions in planetary science. The first position will be filled at the Assistant Professor level, starting as early as Fall, 2013. The successful candidate will be expected to develop an internationally recognized and externally funded research program, help develop and participate in undergraduate and graduate teaching, and supervise graduate student research. A Ph.D. is required in the Earth and/or planetary sciences or related discipline; postdoctoral experience is desirable. The successful candidate will further be expected to devote a portion of their research to exploring links between terrestrial and planetary processes. Accordingly, possible areas of planetary research include, but are not limited to, geomorphology and planetary surfaces, volcanology, tectonics and dynamics, petrology and mineralogy, cosmochemistry, cryospheres, climates, and studies of the early Earth and terrestrial planets in the solar system and their subsequent evolution. Approaches involving laboratory, field, and theoretical methods; remote sensing; and spacecraft observation are all welcome.

We strongly encourage the successful candidate to forge research ties with other parts of the Johns Hopkins community that are active in planetary science, including the Applied Physics Laboratory, the Department of Physics and Astronomy, and the Space Telescope Science Institute. There are excellent opportunities for additional collaborations within the BaltimoreWashington region, including with NASA Goddard Space Flight Center, the Carnegie Institution, the Smithsonian Institution, and the U.S.

Geological Survey.

Applications can only be submitted electronically through Interfolio (<https://secure.interfolio.com/apply/18014> [13]) and must include a cover letter, a curriculum vitae, statements of research and teaching interests, and the names and complete contact information of at least three references. Questions concerning submission of application materials should be directed to Kristen Gaines (kgaines@jhu.edu [14]). Other requests for information may be directed to Prof. John Ferry, Search Committee Chair (jferry@jhu.edu [15]). Review of the applications will begin December 15, 2012, and will continue until the position is filled. Johns Hopkins University is an equal opportunity/affirmative action employer, and actively encourages interest from minorities and women.

B) POSTDOCTORAL OPPORTUNITY IN PLANETARY SCIENCE - UNIVERSITY OF MINNESOTA DULUTH

The Department of Geological Sciences at the University of Minnesota Duluth seeks a full time Postdoctoral Associate to conduct original geological mapping and research of Venus with the goal to understand regional- to global-scale geohistories, and implications for geodynamic processes and Venus evolution. Requirements include: a recent Ph.D. (or foreign equivalent) in geology, geophysics, or related field, and experience in geologic mapping and GIS. Candidates with strong field-based geologic mapping experience and/or geologic mapping using remote sensing data. The appointment is for up to 3 years, and includes healthcare, and salary commensurate with experience. Preferred start date: Jan. 2, 2013. For more details, or questions, please contact : Vicki Hansen (218-726-8628; or vhansen@d.umn.edu [16]).

The University of Minnesota requires that you apply online for this position at:

<http://employment.umn.edu/applicants/Central?quickFind=219524> [17]

Applications should include: a cover letter with current contact information; CV; summary of research experience, skills, and interests; and contact information for three references.

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UPCOMING MEETINGS

A) 44TH LPSC

The Woodlands, Texas

18-22 March 2013

<http://www.lpi.usra.edu/meetings/lpsc2013/> [18]

Abstract deadline: 8 January 2013.

B) 47th ESLAB SYMPOSIUM : THE UNIVERSE AS SEEN BY PLANCK

ESTEC, Noordwijk

2-5 April 2013

<http://congrexprojects.com/13a11> [19]

Abstract deadline: 10 January 2013.

C) EGU 2013 GENERAL ASSEMBLY

Vienna, Austria

7- 12 Apr 2013

<http://www.egu2013.eu> [20]

You are cordially invited to browse through the Sessions at:

<http://meetingorganizer.copernicus.org/EGU2013/sessionprogramme> [21]

And submit an abstract. You may want to note in particular the Planetary and Solar System Sessions at :
<http://meetingorganizer.copernicus.org/EGU2013/sessionprogramme/PS> [22]

Each Session shows the link Abstract Submission. Using this link you are asked to log in to the Copernicus Office Meeting Organizer.

Detailed information on how to submit an abstract can be found at:
http://www.egu2013.eu/abstract_management/how_to_submit_an_abstract.html [23]

The deadline for the receipt of Abstracts is 09 Jan 2013.

In case any questions arise, please contact us!

Athena Coustenis
EGU/PS President

D) THIRD IAA PLANETARY DEFENSE CONFERENCE
April 15-19, 2013, Flagstaff, Arizona.

Topics include planetary defense; recent progress and plans; NEO discovery; NEO characterization; mitigation techniques and missions; impact effects that inform warning, mitigation and costs; and consequence management and education.
The conference will include an exercise where participants will simulate the decision-making process for developing deflection and civil defense responses to a hypothetical asteroid threat.
A field trip to Meteor Crater is also offered.
The abstract deadline is 21 Dec 2012. See www.pdc2013.org [24] for more information.

E) HABITABLE WORLDS ACROSS SPACE AND TIME
First Announcement: The 2013 STScI Spring Symposium
April 29 - May 2, 2013

Abstract submission deadline: March 15, 2013
On-line registration deadline: March 29, 2013

Within a matter of years, humanity will know for the first time the frequency of terrestrial planets in orbit around other stars. This knowledge will pave the way for joining research from astronomy, Earth science, and biology to understand the past, present, and future of the Earth within its larger context as one of many habitable worlds. Such work seeks to understand the formation and fate of the Earth as well as predict where and when different bodies will be suitable for life.
In this four-day symposium, scientists from diverse fields will discuss the formation and long-term evolution of terrestrial bodies throughout the various phases of stellar and Galactic evolution. A particular focus will be in how the specific conditions and challenges for habitability on Earth extend to other bodies in the Solar System and beyond. The existence of these overlooked environments may provide motivation for novel astronomical observations with existing and next generation ground and space-based observatories.

For more information on the Symposium, please check the website:
<http://www.stsci.edu/institute/conference/habitable-worlds> [25]

F) AOGS 2013 ANNUAL MEETING
Brisbane, Australia
24-28 June 2013

<http://asiaoceania.org/aogs2013/public.asp?page=home.htm> [26]

Abstract deadline: 29 January 2013.

G) INTERNATIONAL SYMPOSIUM ON PLANETARY SCIENCES (IAPS2013)

July 1-4, 2013,
Shanghai, China

<http://202.127.29.4/meetings/iaps2013> [27]

The International Symposium on Planetary Sciences (IAPS2013) will be held at the Shanghai Astronomical Observatory, Chinese Academy of Sciences, July 1-4, 2013, Shanghai, China, which brings together international scientists to present the latest results of research and development in planetary exploration and science. Topics include planetary geodesy, navigation, remote sensing, atmosphere, ionosphere/ plasma physics, magnetic and gravity field, geomorphology, geophysics, geology, petrology, geochemistry, interior physics, Life & Astrobiology, Giant & Extrasolar Planets, etc.

The Organizing Committee

H) DACA-13

Davos, Switzerland
8-12 July 2013

<http://www.daca-13.ch/> [28]

Abstract deadline: 31 January 2013.

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Footer

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

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Links

- [1] <http://dps.aas.org/education/dpsdisc>
[2] <mailto:dpsdisc@aas.org>
[3] https://www.lpi.usra.edu/Awards/lpi_career/
[4] <mailto:cquintana@hou.usra.edu>

- [5] <http://science.nasa.gov/salso/>
- [6] <mailto:tia.ferguson@nasa.gov>
- [7] <mailto:tia.ferguson@nasa.gov>>
- [8] <mailto:george.fletcher@nasa.gov>
- [9] <mailto:george.fletcher@nasa.gov>>
- [10] <http://dps.aas.org/jobs>
- [11] <http://dps.aas.org/node/add/job>
- [12] <mailto:dpsjobs@aas.org>
- [13] <https://secure.interfolio.com/apply/18014>
- [14] <mailto:kgaines@jhu.edu>
- [15] <mailto:jferry@jhu.edu>
- [16] <mailto:vhansen@d.umn.edu>
- [17] <http://employment.umn.edu/applicants/Central?quickFind=219524>
- [18] <http://www.lpi.usra.edu/meetings/lpsc2013/>
- [19] <http://congrexprojects.com/13a11>
- [20] <http://www.egu2013.eu>
- [21] <http://meetingorganizer.copernicus.org/EGU2013/sessionprogramme>
- [22] <http://meetingorganizer.copernicus.org/EGU2013/sessionprogramme/PS>
- [23] http://www.egu2013.eu/abstract_management/how_to_submit_an_abstract.html
- [24] <http://www.pdc2013.org>
- [25] <http://www.stsci.edu/institute/conference/habitable-worlds>
- [26] <http://asiaoceania.org/aogs2013/public.asp?page=home.htm>
- [27] <http://202.127.29.4/meetings/iaps2013>
- [28] <http://www.daca-13.ch/>