Newsletter 19-06

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

1. DPS PHOTO GALLERY: 2018 ALBUM POSTED AND CALL FOR PHOTO CONTRIBUTIONS
2. CALL FOR DPS 2019 PRIZE NOMINATIONS
3. 2ND ANNOUNCEMENT OF SPECIAL ISSUE FOR THE OPEN-ACCESS JOURNAL ATMOSPHERE: “MODELING AND SIMULATION OF PLANETARY ATMOSPHERES”
4. AOGS SESSION PS14: SMALL BODY EXPLORATIONS BY CURRENT AND FUTURE MISSIONS
5. SUMMER SCHOOL ON SOFTWARE SYSTEMS FOR ASTRONOMY
6. VEXAG – NEW CHAIR, DEPUTY CHAIR AND 2019 ACTIVITIES
7. MARS EXPLORATION SCIENCE MONTHLY NEWSLETTER FOR FEBRUARY 2019
8. TENTH PLANETARY CRATER CONSORTIUM MEETING
9. JOBS, POSITIONS, OPPORTUNITIES

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DPS PHOTO GALLERY: 2018 ALBUM POSTED AND CALL FOR PHOTO CONTRIBUTIONS

Photos from the Oct 2018 meeting of DPS are now on display in the Photo Gallery [1]. Thank you to all photographers who contributed! Comments and corrections can be addressed to Katie Gosmeyer, DPS.Webmaster@aas.org [2].

In addition to the 2018 meeting updates, the photo gallery has been re-organized and expanded to include Henry Throop's albums covering the 2009, 2011, 2013, 2015, 2016, and 2017 meetings. However, there are still many years missing from our gallery! If you would like to contribute photos for any of the meetings, the absent ones in particular, please follow the instructions below.
1. If you have five or fewer photos, email them to DPS.Webmaster@aas.org [2] as attachments.

2. If you have more than five photos, set up a dropbox (or other file-sharing service) and share the link with DPS.Webmaster@aas.org [2].

   i. If your photos span multiple years, organizing your them in by-year folders would be very much appreciated!

3. Include a document or spreadsheet that lists the photo file names. For each photo, identify the photographer (so they may be given due credit!), the date if known, and any captions.

4. Be patient and they will be displayed in the gallery as soon as time allows!

Some final notes: Photos are selected to be posted at the discretion of the DPS webmaster and the DPS Committee. As an exaggerated example, 50 pictures of flowers you took while at a meeting will likely be passed over; try to choose photos relevant to the meeting events and attendees. We will not accept photos from gatherings other than DPS. Thank you!

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 Harold Masursky Award [5] acknowledges outstanding service to planetary science and exploration.

The Carl Sagan Medal [6] 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 [8], 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 [7] for more information.

Questions: dpsprize@aas.org [10]
2ND ANNOUNCEMENT OF SPECIAL ISSUE FOR THE OPEN-ACCESS JOURNAL ATMOSPHERE: “MODELING AND SIMULATION OF PLANETARY ATMOSPHERES”

We have received a strong early response from both established and new models, and wish to emphasize that both are encouraged, including expositions, applications, and review articles. Submissions are due 16 August 2019 to https://www.mdpi.com/journal/atmosphere/special_issues/planetary_atmospheres [11].

Inquiries may be directed to the Managing Editor <colin.chen@mdpi.com> [12] or to the Guest Editor <timothy.dowling@louisville.edu> [13].

AOGS SESSION PS14: SMALL BODY EXPLORATIONS BY CURRENT AND FUTURE MISSIONS

Abstract deadline: February 19, 2019

This session welcomes abstracts about the new results of solar system small bodies from past and ongoing exploration missions, and about the development and concepts of future missions. We also welcome abstracts about the related ground-based observations, laboratory experiments, as well as theoretical studies. Abstracts reporting the new results from Dawn, New Horizons, Hayabusa2 and OSIRIS-REx missions are especially welcome. In the context of the recent wave of small body exploration missions, as well as the future missions currently under development and/or consideration by NASA, ESA, JAXA, China, etc., this session is designed to promote the research of solar system small bodies from the past and current missions and to help develop concepts for future missions.

Conveners: Jian-Yang Li (PSI), Jiangchuan Huang (CAST), Yangting Lin (IGPP/CAS), Makoto Yoshikawa (JAXA)
SUMMER SCHOOL IN SOFTWARE SYSTEMS FOR ASTRONOMY

Registration is now open for the 6th offering of Software Systems for Astronomy. 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, 29-Jul to 09-Aug, 2019, on the Big Island of Hawaii.

VEXAG – NEW CHAIR, DEPUTY CHAIR AND 2019 ACTIVITIES

At the end of the annual Venus Exploration Analysis Group (VEXAG) meeting in November, the VEXAG Chair transitioned to Darby Dyar, Mount Holyoke College. Noam Izenberg, APL, became the Deputy VEXAG Chair. Thanks to Bob Grimm, Southwest Research Institute, and Marty Gilmore, Wesleyan University, for their service to the Venus science community.

Key 2019 VEXAG Activities will be completing updates of the key VEXAG Venus Exploration Documents (Goals, Objectives and Investigations (GOI); Roadmap; and Technology Plan) and conducting a Venus Flagship Mission Study. These are in anticipation of the next Planetary Science Decadal Survey. Current drafts of the key documents are posted on the VEXAG Web-Site at:

https://www.lpi.usra.edu/vexag/.

Community comments will be solicited at a
Venus Town Hall meeting at LPSC on Wednesday, March 20, 2019.

Another key 2019 VEXAG Activity will be soliciting White Papers as part of the pre-decadal process as described on the VEXAG web-page at:

[https://www.lpi.usra.edu/vexag/Venus-Decadal-Papers-12-18.pdf](https://www.lpi.usra.edu/vexag/Venus-Decadal-Papers-12-18.pdf). The next activity here will be a VEXAG Pre-Decadal Community Review, Sunday, March 17, 2019 at 1:00-5:00 PM, at LPSC.

VEXAG activities at the Lunar and Planetary Science Conference (LPSC)

In March will be a VEXAG Pre-Decadal Community Review, Sunday, March 17, 2019 at 12:00 to 5:00 PM in the Shenandoah Room. A special oral session, “Venus, or How I Stopped Worrying and Learned to Love the Second Planet” will be held on Wednesday, March 20, 2019, starting at 8:30 AM. The annual Venus Town Hall meeting will be held on Wednesday, March 20, 2019 at 12:00:00 PM 1:15:00 PM in the Waterway 5 Room. A Venus Student Mixer will be held on Wednesday, March 20, 2019 after the oral presentations and before the poster session.

The annual VEXAG Meeting will be held during the week of November 4-8, 2019 at the Laboratory for Atmospheric and Space Physics (LASP), University of Colorado, Boulder.

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MARS EXPLORATION SCIENCE MONTHLY NEWSLETTER FOR FEBRUARY 2019

To the Mars Community,

On behalf of Jeff Johnson (MEPAG Chair), Dave Beaty, Rich Zurek, and

The DPS is a Division of the American Astronomical Society
Kelly Perry of the Mars Program Science Office, the February 2019 edition [17] of the Mars Exploration Science Monthly Newsletter can be found on the web at:

http://mepag.jpl.nasa.gov [18]

Please send your Mars community announcements and calendar items for inclusion in the newsletter to Barbara at: Barbara.A.Saltzberg@jpl.nasa.gov [19].

TENTH PLANETARY CRATER CONSORTIUM MEETING

The 10th Planetary Crater Consortium meeting will be held August 7-9, 2019, at the US Geological Survey in Flagstaff, AZ. The Planetary Crater Consortium is open to all planetary scientists interested in any aspect of impact cratering on solar system bodies (including Earth!), incorporating observational, theoretical, experimental, field, and/or numerical studies. The meeting is a combination of contributed talks, posters, and open discussion and is designed to encourage and provide adequate time for in-depth discussion of crater-related issues and topics to enhance research collaborations. Abstract deadline is Monday, June 24, 2019. An optional field trip around the rim of Meteor Crater will be arranged for Saturday, August 10, 2019, if there is sufficient interest. For more information, see www.planetarycraterconsortium.nau.edu/ [20] or contact Nadine Barlow (Nadine.Barlow@nau.edu [21]).

JOBS, POSITIONS, OPPORTUNITIES

A) 3 POSTDOCTORAL POSITIONS IN MARS SCIENCE

Centro de Astrobiologia
Madrid, Spain

https://dps.aas.org/content/3-postdoctoral-positions-mars-science

Application Due Date: March 15, 2019

The Department of Planetology and Habitability at the Centro de Astrobiología (CAB) invites applications for three postdoctoral positions to support investigations on the nature of the early Mars environments. We are seeking enthusiastic and excellent candidates to join a planetary science team funded by the European Research Council (ERC), working with Dr. Alberto Fairén in the Project “MarsFirstWater” (ERC Consolidator Grant) broadening the efforts of the Project “icyMARS” (ERC Starting Grant).

Applicants should have a recent Ph.D. in the field of Planetary Science or related discipline, and a background in Mars research. Expertise in Geomorphology/Sedimentology, Geochemistry, and Microbiology, respectively for each of the positions, is required.

The 3 positions, placed in Madrid, would be for two years, with possible extension to a third year contingent upon satisfactory performance. Benefits include working in a young enthusiastic team at one of the leading Planetary Sciences institutions in Europe, full social benefits according to the Spanish social care system, and a very competitive salary.

Applicants should send a letter of interest, a curriculum with a list of publications, a brief (maximum two pages) statement of research interests, and a list of three references, no later than March 15 2019, to Alberto Fairén (agfairen@cab.inta-csic.es).

The starting date is negotiable, but should be no later than Sep 1, 2019.
B) POSTDOCTORAL SCHOLAR, PLANETARY SCIENCE/IMPACT PROCESSES, UC DAVIS

The Department of Earth and Planetary Sciences at UC Davis seeks a postdoctoral scholar to study impact processes on rocky planets. Current research programs seek to understand the role of small and large collisions on the formation and habitability of rocky planets and the emergence of life. Applicants may pursue numerical simulations and/or experimental work in the department’s Shock Compression Laboratory. The lab’s primary research themes focus on understanding the role of material properties in governing the outcome of collisions, including the physical and chemical processes that shape planet formation and early Earth’s habitability. The scholar may also participate in ongoing collaborations in the UC Center for Matter at Extreme Conditions, NASA’s CLEVER Planets research team, and the Simons Collaboration on the Origins of Life. Further information about current research initiatives can be found at http://sarahstewart.net [27]

Minimum qualifications: A PhD in physics, geology, chemistry, materials science or related field is required. Desired qualifications: Prior experience with numerical simulations of planetary collisions and/or experimental high-pressure techniques.

Interested candidates should contact Prof. Sarah Stewart (sts@ucdavis.edu [28]) with inquiries and apply by emailing a CV, contact information for three references, and a brief statement of research interests.

C) TWO OPEN POSITIONS IN MODELING PLANETARY ATMOSPHERES FUNDED BY THE ANR AT LATMOS, PARIS:

A PhD thesis on modeling the Martian polar CO2 clouds with a mesoscale model. Details and applications:

Application deadline: March 28, 2019
Start date: October 1st, 2019

A two-year full-time postdoctoral fellowship on modeling the Martian mesospheric CO2 clouds with a global climate model.
Details and applications:


Application deadline: March 28, 2019
Expected (but flexible) start date: September 1st, 2019

Contact: anni.maattanen@latmos.ipsl.fr

Send submissions to:
Anne Verbiscer, DPS Secretary (dpssec@aas.org)

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