

## Newsletter 18-21

Issue 18-21, June 10, 2018

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MESSAGE FROM THE CHAIR: 50TH ANNUAL MEETING OF THE AAS DIVISION FOR PLANETARY SCIENCES FROM OCTOBER 21-26, 2018 IN KNOXVILLE, TENNESSEE

Abstract submission for our annual meeting is now open!

Regular abstracts are due Thursday, July 26, 2018.

Registration will open June 20 and both local and scientific organizing committees are working with AAS meeting planners to make this meeting a place to share our recent scientific results and to continue our collaborations with colleagues.

More information, as it becomes available, can be found at the meeting website:

<https://aas.org/meetings/dps50> [1]

Here are some key dates to be aware of:

The DPS is a Division of the  American Astronomical Society.

30 June 2018 Workshop Proposal Submission Deadline

26 July 2018 Regular Abstract Deadline

31 July 2018 Early Registration Deadline (lowest cost!)

Note that there will be limited and expensive hotel rooms close to the Knoxville Convention Center in downtown Knoxville on the Saturday night before the meeting (Oct 20) due to the home football game between Tennessee and Alabama. The LOC and AAS staff are working to find meeting space so that workshops can be held on Saturday October 27. There will be meeting space for workshops at the Knoxville Convention Center on Sunday October 21 (before the meeting), but it will be extremely difficult for some people to get into Knoxville early that day (particularly those coming from the west coast). Another option for workshop attendees would be to stay at a hotel outside of the downtown area on Saturday night. Workshop conveners should consider these constraints and communicate with expected attendees when deciding on workshop dates and times.

We are planning multiple field trips for the weekend after the meeting. Expected offerings include a visit to the Oak Ridge National Laboratory, nearby caves, and hiking in the Smoky Mountains.

We plan to continue offering electronic posters this year. We will also be having a banquet at the Knoxville Museum of Art and an ice-cream social on Friday afternoon.

We look forward to seeing you in Knoxville in October. And when you see members of the [local or scientific organizing committees](#) [2], please thank them for their time and efforts.

Cathy Olkin  
DPS Chair

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#### 4th IPM INTERNATIONAL WORKSHOP

Sep 12-14, 2018- Berlin, Germany

We are very excited to announce that the 4th International Workshop on ['Instrumentation for Planetary Missions'](#) [3] (IPM - 2018 [3]) will be held in Berlin, Germany Sep 12-14, 2018. The venue will be the Technical University (TU) of Berlin. The topics of interest are listed below.

Important dates:

July 1, 2018: [Abstracts submission](#) [3] deadline

The Local organizing committee (LOC) is led by Prof Juergen Oberst of the Planetary Geodesy and Geoinformation Science Department at TU, Berlin.

The scientific Organizing Committee (SOC) members are:

- Athena Coustenis (Observatoire de Meudon/LESIA/CNRS),
- Juergen Oberst (TU, Planetary Science, Berlin)- Co-chair
- Sabrina Feldman (JPL)
- Stephanie Getty (GSFC)
- Elizabeth Turtle (APL)
- Shawn Domagal-Goldman (NASA/GSFC)
- Neil Bowles (Oxford, UK)
- Brook Lakew (GSFC)- Co-chair
- Manuel Grande (Aberystwyth Univ, UK)
- Anita Heward (UK)
- Christophe Sotin (JPL)
- David Beaty (JPL)
- Harald Michaelis (DLR, Institute of Planetary Research, Berlin)

\*Please note that [IPM-2018](#) [3] will take place the week before the European

Planetary Science Congress (EPSC) – the main annual European planetary science conference (<https://www.epsc2018.eu> [4]) - also happening at the same venue in Berlin.

As in years past we are looking forward to a successful IPM International Workshop.

Mark your calendars and prepare your abstracts!

-Brook Lakew

4th IPM Workshop co-chair.

Suggested topics for the [4th IPM Workshop](#) [3]

- 1- Planetary Science questions to be addressed in the next decade and beyond – keynote/invited papers
- 2- Instruments on past missions - lessons learned and vision for next generation instruments – keynote/invited papers
- 3- Life detection Instrumentation and related technologies for Ocean Worlds
- 4- Instruments on past and newly selected phase-A missions (Rosetta, Hayabusa 2, Mangalyaan, TGO, ExoMars, Mars 2020, JUICE, Juno, OSIRIS-Rex, Bepi-Colombo, Lucy, Psyche, Dragonfly, CEASAR, Europa Clipper, Europa Lander, etc.)
- 5- Novel instruments for Lander Missions- including Lunar and Mars landers
- 6- Instruments for Orbiters, Flyby Missions (Sub-mm, Radar, UV, IR spectrometers, imagers)
- 7- Instrumentation for descent probes (Saturn, Uranus, Venus, ...)
- 8- Mass Spectrometry, Geochronology and Elemental Spectroscopy instruments
- 9- Science Instruments for Deep-Space SmallSats and CubeSats
- 10- Electronics for extreme environments (temperature and radiation)
- 11- Dual-Function Instruments on Human Space Flight missions beyond LEO

12- Science Instruments on human space flight missions to the Deep-space Gateway and planetary targets beyond LEO (NEO, Mars, Phobos)

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CALL FOR EGU PS MEDAL NOMINATIONS: DEADLINE JUNE 15, 2018

Dear Colleagues,

We would like to remind that Awards & Medals nominations for the year 2018 are currently open. The nominations of EGU medalists, as everything within EGU, is a bottom up process. Please consider nominations for the following medals/awards specific to the PS Division:

Jean Dominique Cassini Medal (<http://www.egu.eu/awards-medals/jean-dominique-cassini/> [5])  
David Bates / Runcorn-Florensky Medals  
(<http://www.egu.eu/awards-medals/david-bates/> [6]  
<http://www.egu.eu/awards-medals/runcorn-florensky/> [7])

Division Outstanding Young Scientists Award  
(<http://www.egu.eu/awards-medals/division-outstanding-ecs-award/> [8])

Please use the Awards & Medals nomination form <https://www.egu.eu/user-area/nominations/form/> [9] to propose a candidate for the year 2018.

**\*\*Submission deadline 15 June 2018\*\*.**

Please read the Proposal & Selection of Candidates <https://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/> [10] , the relevant Best Practices <https://www.egu.eu/about/best-practices/> [11] carefully and checklist for submitting nominations (<https://www.egu.eu/awards-medals/checklist-for-submitting-nominations/> [12])

Stephanie Werner

EGU Planetary and Solar System Sciences Division

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Email: [ps@egu.eu](mailto:ps@egu.eu) [13] <http://www.egu.eu/ps/home/> [14]

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## NASA POSTDOCTORAL FELLOWSHIP APPLICATION DEADLINE JULY 1, 2018

The NASA Postdoctoral Program offers US and international scientists the opportunity to advance their research while contributing to NASA's scientific goals. The NPP supports fundamental science; explores the undiscovered; promotes intellectual growth; and encourages scientific connections.

Selected by a competitive peer-review process, NPP Fellows complete one- to three-year Fellowship appointments that advance NASA's missions in earth science, heliophysics, planetary science, astrophysics, space bioscience, aeronautics and engineering, human exploration and space operations, and astrobiology.

Current NPP research opportunities in planetary science can be viewed here:

[https://npp.usra.edu/opportunities/?filter\\_keywords=&filter\\_fields=145](https://npp.usra.edu/opportunities/?filter_keywords=&filter_fields=145) [15]

Applicants must have a Ph.D. or equivalent degree in hand before beginning the fellowship, but may apply while completing the degree requirements. U.S. citizens, Lawful Permanent Residents, and foreign nationals eligible for J-1 status as a Research Scholar may apply.

UPDATED! Stipends now start at \$60,000 per year, with supplements for

high cost-of-living areas and for certain academic specialties.

Financial assistance is available for relocation and health insurance,  
and \$10,000 per year is provided for professional travel.

Applications are accepted three times each year: March 1, July 1, and  
November 1.

For further information and to apply, visit:

<https://npp.usra.edu/> [16]

Questions: [npphelp@usra.edu](mailto:npphelp@usra.edu) [17]

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#### MARS EXPLORATION SCIENCE MONTHLY NEWSLETTER FOR JUNE 2018

On behalf of Jeff Johnson (MEPAG Chair), Dave Beaty, Rich Zurek, and  
Serina Diniega of the Mars Program Science Office, the June 2018  
edition 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](mailto:Barbara.A.Saltzberg@jpl.nasa.gov) [19]

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#### TESS SCIENCE CONFERENCE I, JULY 29 - AUGUST 2, 2019

The TESS Science Conference I will be the first conference devoted to  
results from the NASA TESS Mission. It will focus on discoveries made



LUNAR AND PLANETARY LABORATORY,  
UNIVERSITY OF ARIZONA, TUCSON, AZ

The University of Arizona Department of Planetary Sciences/Lunar and Planetary Laboratory invites applications for a postdoctoral position to work with Dr. Tommi Koskinen on the escape and evolution of exoplanet atmospheres. The successful candidate will develop models of exoplanet upper atmospheres to interpret existing observations and motivate searches for new atmospheric signatures with current and future instruments. In addition to working on the interpretation of observations by the Hubble Space Telescope and ground-based high resolution data, the candidate will have the opportunity to participate in the preparation for the NASA Colorado Ultraviolet Transit Experiment (CUTE).

The Lunar and Planetary Laboratory and the University of Arizona offer a world-class research program in astronomy, physics and planetary sciences, including research into atmospheres ranging from exoplanets to the planets, dwarf planets, satellites and comets in the solar system. The successful candidate will have the opportunity to interact and foster collaborations with many talented researchers working at the university.

Candidates should have a PhD in planetary science, exoplanets or a related field and experience in numerical modeling. A background in modeling atmospheres and/or atmospheric escape is an advantage. Candidates should apply to Job Posting P20545 at [www.uacareers.com](http://www.uacareers.com) [21]. Applications should include a cover letter, CV, a brief statement of research plans and contact details for two referees.

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Send submissions to:

Anne Verbiscer, DPS Secretary ([dpssec@aaas.org](mailto:dpssec@aaas.org) [22])

You are receiving this email because you are a DPS member.

To unsubscribe or update your information, please send your request

to [privacy@aaas.org](mailto:privacy@aaas.org) [23]. The more general AAS privacy policy is available online at <https://aas.org/about/policies/privacy-policy> [24]

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### Links:

- [1] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=Jbel66YWyxUJgz0Zw6huxi1lsl73ZuFqNddMSFAW1NnvNX0vn8\\_VCA..&URL=https%3a%2f%2faas.org%2fmeetings%2fdps50](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=Jbel66YWyxUJgz0Zw6huxi1lsl73ZuFqNddMSFAW1NnvNX0vn8_VCA..&URL=https%3a%2f%2faas.org%2fmeetings%2fdps50)
- [2] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=a1AhHbZ2gB1VgiCZmtg6vkA4X6u-peUQ41rPg\\_9KfIVS138vn8\\_VCA..&URL=https%3a%2f%2faas.org%2fmeetings%2fdps49%2fcontacts](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=a1AhHbZ2gB1VgiCZmtg6vkA4X6u-peUQ41rPg_9KfIVS138vn8_VCA..&URL=https%3a%2f%2faas.org%2fmeetings%2fdps49%2fcontacts)
- [3] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=F5aoyVYwUG-YkJo20ZGRrmB1d9DmCtBdX84KVtzi-3VSI38vn8\\_VCA..&URL=https%3a%2f%2fipm2018.org%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=F5aoyVYwUG-YkJo20ZGRrmB1d9DmCtBdX84KVtzi-3VSI38vn8_VCA..&URL=https%3a%2f%2fipm2018.org%2f)
- [4] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=oRyKUwxpg-zXrGtfj3cPykNWm9GuO0XH2TOV0Zyb-u9SI38vn8\\_VCA..&URL=https%3a%2f%2fwww.epsc2018.eu](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=oRyKUwxpg-zXrGtfj3cPykNWm9GuO0XH2TOV0Zyb-u9SI38vn8_VCA..&URL=https%3a%2f%2fwww.epsc2018.eu)
- [5] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=py2dLY\\_w6Q1tjYlv8pluLfbSc5LP1Ma2kmydUV9b9pSI38vn8\\_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fjean-dominique-cassini%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=py2dLY_w6Q1tjYlv8pluLfbSc5LP1Ma2kmydUV9b9pSI38vn8_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fjean-dominique-cassini%2f)
- [6] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=zm5\\_cSwAHqZWEilzKl4ypjxIKObztFJE\\_dZNSNm\\_6rpSI38vn8\\_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fdauid-bates%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=zm5_cSwAHqZWEilzKl4ypjxIKObztFJE_dZNSNm_6rpSI38vn8_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fdauid-bates%2f)
- [7] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=Pnfidsl13Uckyvoimk5O8syRUtR8eaHTUIdvmUPsj5hSI38vn8\\_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fruncorn-florensky%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=Pnfidsl13Uckyvoimk5O8syRUtR8eaHTUIdvmUPsj5hSI38vn8_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fruncorn-florensky%2f)
- [8] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=fCQt2stOA8bKGCbBu3mrSi76LGHDd0GjQW7TWXnBZjFSI38vn8\\_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fdivision-outstanding-ecs-award%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=fCQt2stOA8bKGCbBu3mrSi76LGHDd0GjQW7TWXnBZjFSI38vn8_VCA..&URL=http%3a%2f%2fwww.egu.eu%2fawards-medals%2fdivision-outstanding-ecs-award%2f)
- [9] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=PjxOFhkXatOW4A05gE20vQXcht8oaPS52oGXpvmxG6BSI38vn8\\_VCA..&URL=https%3a%2f%2fwww.egu.eu%2fuser-area%2fnominations%2fform%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=PjxOFhkXatOW4A05gE20vQXcht8oaPS52oGXpvmxG6BSI38vn8_VCA..&URL=https%3a%2f%2fwww.egu.eu%2fuser-area%2fnominations%2fform%2f)
- [10] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=17xYEUxPN5gDAuewqFtPVpW5rft1bl025pQVg1xdJTFSl38vn8\\_VCA..&URL=https%3a%2f%2fwww.egu.eu%2fawards-medals%2fproposal-and-selection-of-candidates%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=17xYEUxPN5gDAuewqFtPVpW5rft1bl025pQVg1xdJTFSl38vn8_VCA..&URL=https%3a%2f%2fwww.egu.eu%2fawards-medals%2fproposal-and-selection-of-candidates%2f)
- [11] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=\\_6R0l4z1aUiq\\_5Q-tAMnYAXShz3YVlrklRoa5zIGVyxSI38vn8\\_VCA..&URL=https%3a%2f%2fwww.egu.eu%2fabout%2fbest-practices%2f](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=_6R0l4z1aUiq_5Q-tAMnYAXShz3YVlrklRoa5zIGVyxSI38vn8_VCA..&URL=https%3a%2f%2fwww.egu.eu%2fabout%2fbest-practices%2f)

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- [19] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=\\_UBXfAH5P6QCeTRub\\_uomF5nj4XDli1EfscNA5AE-oBSI38vn8\\_VCA..&URL=mailto%3aBarbara.A.Saltzberg%40jpl.nasa.gov](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=_UBXfAH5P6QCeTRub_uomF5nj4XDli1EfscNA5AE-oBSI38vn8_VCA..&URL=mailto%3aBarbara.A.Saltzberg%40jpl.nasa.gov)
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- [22] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=E6nrFVXyCEckm52HIA51U7tO9LN52jrAHebXNSjwVA5SI38vn8\\_VCA..&URL=mailto%3adpssec%40aas.org](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=E6nrFVXyCEckm52HIA51U7tO9LN52jrAHebXNSjwVA5SI38vn8_VCA..&URL=mailto%3adpssec%40aas.org)
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- [24] [https://mail02.ndc.nasa.gov/owa/redir.aspx?C=2imVOCyKnnHeBDFJAHG2woq8uXNZrEqj5z49PvJHrupSI38vn8\\_VCA..&URL=https%3a%2f%2faas.org%2fabout%2fpolicies%2fprivacy-policy](https://mail02.ndc.nasa.gov/owa/redir.aspx?C=2imVOCyKnnHeBDFJAHG2woq8uXNZrEqj5z49PvJHrupSI38vn8_VCA..&URL=https%3a%2f%2faas.org%2fabout%2fpolicies%2fprivacy-policy)