RENEW YOUR AAS/DPS MEMBERSHIP TODAY

AAS emailed members [1] in early September announcing the start of membership renewal season, and many took notice. Online renewals are arriving at a steady pace. If you have already paid your dues, thanks for your continued support.

To help reduce costs and the Society's carbon footprint, we encourage you to renew online today for fast, easy self-service. Simply log in [2] to pay your dues [3], to confirm or update your journal subscriptions and Division memberships, and to lock in savings for 2017 by renewing for two years at the current rate. (Note: That last option isn't available to junior members, who instead get two years for the price of one — currently $81 — when first joining the Society, then renew annually thereafter.)

The Society has much planned for 2017 — including the 229th meeting of the AAS in Grapevine, TX in January — so you won't want to miss out on the latest science, member communications, and career and networking opportunities. Supporting the AAS is supporting your discipline. Renew today [2]!

If you have any questions about your dues or benefits, or need assistance when logging in, please contact the membership team by email at membership@aas.org [5] or by phone at 202-328-2010. Thank you!

So often our planning horizon in planetary sciences is shorter than the time it takes to develop critical technologies for missions. And we don’t often take the time to think strategically about what we want to be doing scientifically 20 or 30 or more years from now. This workshop and the resulting report is a chance for our community to bring their ideas to an open forum where we can look far into the future and imagine what we might be doing in planetary science in 2050. Only through exercises such as this can we think strategically
about what we have to do now scientifically and in technology development to enable these visions to become reality.

This workshop is not a decadal survey activity. Nonetheless, it will inform future strategic planning processes, like the next decadal survey. If you or your colleagues have ideas about where you feel your field should be going, or if you have a vision of where you feel we should be in 34 years and how we might be able to get there, please submit an abstract.

The 5 themes for the workshop have their roots in the planetary science decadal survey and map to NASA’s current goals for Planetary Science:

- **ORIGINS** — understanding formation and evolution of solar systems (including exoplanetary systems)
- **WORKINGS** — understanding how the processes in our solar system operate, interact, and evolve
- **LIFE** — improve our understanding of the origin and evolution of life, including Earth analogs, to guide our search for life elsewhere
- **THREATS AND RESOURCES** — identify and characterize objects that pose threats to Earth or offer resources for human exploration
- **OTHER** — other thoughts about where we might be in three decades that are not captured above (e.g., terraforming; mining for resources)

However, we are looking beyond these near-term concepts to where they will take us in the future.

Steve Mackwell
SEEKING MEMBERS FOR THE WFIRST SOLAR SYSTEM WORKING GROUP

NASA's Wide Field Infrared Survey Telescope (WFIRST) is NASA's next flagship mission after JWST. WFIRST is on track for a 2025 launch and a 6 year primary mission. This mission has two primary instruments: the Wide Field Instrument (WFI) with a 0.25 square degree FOV and the Coronagraph Instrument (CGI), which is designed to take images and spectra of super-Earths. Between the two instruments, WFIRST will be capable of imaging and grism spectroscopy over the wavelength range 0.7-2 microns as well as R~100 spectroscopy with an IFU. More details can be found here:


We are soliciting participants for the WFIRST Solar System Working Group to help develop science cases and provide input to the project team on instrumentation and observatory constraints. If you are interested please contact either of the co-leads, James (Gerbs) Bauer (JPL - james.m.bauer@jpl.nasa.gov [8]) or Stefanie Milam (NASA/GSFC - Stefanie.n.milam@nasa.gov [9]) by December 30, 2016.

THE EXOCLIPSE CONFERENCE - EXPLORING NEW WORLDS IN THE SHADE

2017 Aug 20-24

http://physics.boisestate.edu/exoclipse [10]

Exoclipse is an exoplanet conference with focus on microlensing, direct, RV, and transit detection and characterization of exoplanets. Hosted by Boise State University, the conference spans five days and includes a trip to view the total solar eclipse. Friends and family are welcome.

SCIENTIFIC ORGANIZING COMMITTEE: Charles Beichman (California Institute of Technology), David Bennett (NASA Goddard Space Flight Center), Beth Biller (University of Edinburgh), Sarah Dodson-Robinson (University of Delaware), Hannah Jang-Condell (University of Wyoming), Bruce Macintosh

The DPS is a Division of the American Astronomical Society
AGU-JPGU JOINT MEETING MAY 20-25, 2017

The first joint meeting of the Japan Geosciences Union and the American Geophysical Union will be held from May 20-25, 2017 in Makuhari Messe, Greater Tokyo area, Japan: [http://www.jpgu.org/meeting_e2017/](http://www.jpgu.org/meeting_e2017/) [11].


Abstract submission will be open from Jan. 6-Feb. 16, 2017.

4*P COMA MORPHOLOGY CAMPAIGN

As you may know three comets (41P/Tuttle-Giacobini-Kresak and 45P/Honda-Mrkos-Pajdusakova in early 2017, and 46P/Wirtanen in late 2018) will have close approaches (0.08-0.15 AU) to Earth. Three close approaches in two years is a relatively rare occurrence.

Similar to the Comet ISON Coma Morphology Campaign, we are organizing this 4*P Coma Morphology Campaign and are requesting the participation of both professional and amateur astronomers. The goal is to achieve science facilitated by a multi-longitudinal
observing campaign.

Please look at:


Thank You.
Sincerely,
Nalin Samarasinha, Beatrice Mueller, Matthew Knight, Tony Farnham, and Walt Harris

NEXT EGU CONFERENCE

Dear colleagues,

The next EGU conference will be held in Vienna on 23-28 April 2017.

Abstracts to this session can be submitted at the EGU website:


Abstract submission deadline: January 11, 2017

We would like to invite you to submit an abstract to the Session:

PS3.1
Outer planets, icy satellites and rings

Conveners: Athena Coustenis, Glenn Orton, Linda Spilker, Sushil K. Atreya, Christina Plainaki, Jean-Pierre Lebreton, Nicolas Altobelli

Session details are described and abstract submission is possible at:
Please also consider submitting abstracts in the session

PS3.2
Initial Results from Juno's Exploration of Jupiter and the Earth-based Collaborative Campaign

Convener: Scott Bolton; Co-Conveners: Paul Hartogh, Tristan Guillot, Glenn Orton, John Connerney, Jean-Claude Gérard

Looking forward to seeing you in Vienna,

With best regards,
the conveners

Session descriptions:

PS3.1
Outer planets, icy satellites and rings

This session welcomes papers about the outer planets and Pluto systems, including their satellites with atmospheres or not, with special emphasis on observations (both from space and from the ground), modelling, and theoretical interpretation. Abstracts on satellite interactions with their neutral environments, and ring systems are also welcome. Supporting laboratory investigations and concepts for future spacecraft missions and investigations are also relevant to this session.
PS3.2
Initial Results from Juno's Exploration of Jupiter and the Earth-based Collaborative Campaign

NASA's Juno mission to Jupiter launched in 2011 and arrived at Jupiter on July 4, 2016. Juno's scientific objectives include the study of Jupiter's interior, atmosphere and magnetosphere with the goal of understanding Jupiter's origin, formation and evolution. An extensive campaign of Earth based observations of Jupiter and the solar wind were orchestrated to complement Juno measurements during Juno's approach to Jupiter and during its orbital mission around Jupiter. This session provides results from the Juno measurements and the collaborative campaign during the early phases of Juno's prime mission. Scientific results include Jupiter's interior structure, magnetic field, deep atmospheric dynamics and composition, and the first in-situ exploration of Jupiter's polar magnetosphere and aurorae.

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JOBS, POSITIONS, OPPORTUNITIES

1.
Earth and Planetary Sciences Department
Johns Hopkins University

https://dps.aas.org/content/postdoctoral-positions-planetary-physics [18]
Deadline  February 15, 2017

1.

Astrophysics/Space Science
JPL/Caltech Postdoctoral Program

Date Posted: 12/01/2016
Application Deadline: 01/23/2017
Research Opportunity: 0000712

This ad is posted at:

The California Institute of Technology (Caltech), Postdoctoral Scholars Program at the Jet Propulsion Laboratory (JPL) invites applications for a postdoctoral research position with the Exoplanet and Comparative Planetary Sciences team, and working with scientists in both the JPL Astrophysics & Space Science and Planetary Science Sections. The goal of this initiative at JPL and Caltech is to build on the existing experience and expertise on astrophysics and planetary science, to develop deeper connections across these fields to improve our ability to discover, characterize, and understand exoplanets in their broader context. Therefore, we are seeking a postdoctoral scholar who will contribute to this endeavor.

JPL provides a collaborative and interdisciplinary environment for researchers with interests spanning exoplanetary science, astronomy, planetary and earth
sciences, and the associated technologies that enable this work, as well as many opportunities for collaboration with researchers at the Caltech campus. Between Astrophysics and Planetary Science, there are more than one hundred active Scientists at JPL, working on many projects, instruments, and missions, and creating diverse opportunities for interactions and collaborations. JPL also hosts the NASA Exoplanet Exploration Program (ExEP) Office, whose co-location provides many additional opportunities for interactions with the broader community of exoplanetary science.

The successful candidate will be expected to lead and publish research in any area related to exoplanetary science (theoretical, observational, or instrumental), to interact and work with scientists at JPL and Caltech, and to assist in coordinating collaborative or community efforts across JPL and Caltech. Strong preference will be given to candidates who demonstrate willingness and potential to look to the future of the field, and who can articulate their vision. Candidates should have a recent PhD in astronomy, astrophysics, physics, planetary science or related fields. Candidates who have received their PhD within the past five years since the date of their application are eligible. The successful applicant will have a specific sponsor appointed as a mentor at JPL.

The annual starting salary will be commensurate with the established Caltech postdoctoral rates at JPL, which can vary somewhat according to the selected applicant's qualifications. The appointee will also receive health insurance and additional resources for research-related expenses and will have access to local facilities, including Palomar Observatory and the JPL Supercomputing Facility. Postdoctoral Scholar positions are awarded for a minimum of one-year period and may be renewed up to a maximum of three years.

A complete application will consist of 1) a cover letter describing the particular interest in the opportunity, and the specific connections and potential collaborations that are envisioned, 2) a CV that includes contact information, a bibliography
which clearly shows the refereed publications, and contact information for
three reference letter writers, and 3) a statement describing current and
proposed research. For this last item, the applicant may choose to separate

the current and proposed statements, or to have them written as one unit;
and there is no specific page limit, though 3-4 pages is a general guideline.

For full consideration, please submit these by January 23, 2017.

Information about science at JPL can be found at https://science.jpl.nasa.gov [20]
and specifically for the Exoplanetary Initiative at https://exoplanetary.jpl.nasa.gov [21].

For more information, please contact the JPL Postdoc Office at
postdocs@jpl.nasa.gov [22], and they can direct questions as appropriate.

Caltech and JPL are equal opportunity/affirmative action employers.

Women, minorities, veterans, and disabled persons are encouraged to apply.

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aas.org [23])

To unsubscribe visit http://aas.org/unsubscribe [24] or email unsubscribe@aas.org [25].

To change your address email address@aas.org [26].

Footer

- Reports
- Photos
- History
- Bylaws
- Giving