

Newsletter 17-12

Issue 17-12, March 11, 2017

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MESSAGE FROM THE CHAIR: THE MARCH FOR SCIENCE, THE AAS/DPS, AND YOU

The importance of science to the advancement of humanity is clear to our DPS membership, yet its ability to inform governmental policy appears to be imperiled. The AAS will support our members who plan to participate in the March for Science on April 22 (www.marchforscience.com [1]), as described in this detailed post by AAS Executive Officer Kevin Marvel: <https://aas.org/posts/news/2017/02/march-science-aas-and-you> [2].

Core principles of the march as presently defined are: science that serves the common good; cutting-edge science education; open and honest science communication and inclusive public outreach; evidence-based policy and regulations in the public interest; and funding for scientific research and its applications. Related goals for the march are to: humanize science; partner

with the public; advocate for open, inclusive, and accessible science; support scientists; and affirm science as a democratic value.

The AAS office at 1667 K Street NW (very near the White House) will open its doors on the morning of the march and serve refreshments. Our leadership participates in weekly information-sharing phone calls (but, as for AGU and other science organizations, does not control the messaging). We will provide logistical support and report any late breaking developments. Additional assistance provided by the AAS includes web tools for a roommate and housing search and/or carpool search. For more information or questions feel free to contact the DPS FRS Chair at Kurt.Retherford@swri.edu [3] or the AAS policy experts listed on Marvel’s website post. If you are actively involved in the organization of a local march please let us know (DPS.Chair@aas.org [4], DPS.FRSChair@aas.org [5]).

Lucy McFadden and Kurt Retherford
DPS Chair and FRS Chair

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RELEASE OF OSIRIS-REX PARTICIPATING SCIENTIST PROGRAM
ELEMENT DRAFT TEXT FOR COMMUNITY COMMENT

The objective of the OSIRIS-REx Participating Scientist Program (OREx-PSP) is to enhance the scientific return during the asteroid-operational phase of the OSIRIS-REx mission by expanding participation in the mission through new investigations that broaden and/or complement existing principal investigator (PI) and co-investigator (Co-I)-led investigations.

This amendment releases a draft version of C.22, the OSIRIS-REx participating scientist program element for community comment. Questions and comments on this draft program element should be directed to Jeffrey Grossman at jgrossman@nasa.gov [6] and Christina Richey at christina.r.richey@nasa.gov [7] by March 16, 2017.

On or about March 2, 2017, this Amendment to the NASA Research Announcement “Research Opportunities in Space and Earth Sciences (ROSES) 2017” (NNH17ZDA001N) will be posted on the NASA research opportunity homepage at: <http://nspires.nasaprs.com/> [8] and will appear on the RSS feed at: <https://science.nasa.gov/researchers/sara/grant-solicitations/roses-2017/> [9]

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ALMA CALL FOR STUDY PROPOSALS

The National Radio Astronomy Observatory and the National Science Foundation are pleased to announce a Call for Study Proposals for the North American ALMA Cycle 5 Development program: https://go.nrao.edu/ALMA_Cycle5_Development [10]

This Call is open to the community of scientists from North American ALMA partner countries. The primary objectives of the Cycle 5 Development Program Studies are to:

- (a) enable groups in North America to propose ALMA upgrade studies that may later be implemented via the ALMA Development Plan;
- (b) support the development of conceptual and detailed designs for ALMA

upgrades; and

(c) encourage relevant long-term research and development in areas important for ALMA.

Two categories of proposals are being sought via this Call:

- (a) General Studies (funded for 1 year and up to \$200,000 USD per award); and
- (b) Strategic Studies (funded for 2 years and up to \$400,000 USD per award).

Strategic Studies is a new ALMA Development proposal category intended to support in-depth studies aligned with the development priorities identified by the ALMA Science Advisory Committee in the 'A Roadmap for Developing ALMA' document: https://go.nrao.edu/Roadmap_for_ALMA [11]

The proposal submission deadline for this Call for Studies is 1 May 2017 at 23:59 EDT. Prospective Principal Investigators are encouraged, but not required, to submit Notices of Intent by 20 March 2017. Questions should be directed to ALMA_Cycle5_Development@nrao.edu [12]

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ASTROPHYSICS DATA ANALYSIS PROGRAM LETTERS OF INTENT DUE

The deadline for ROSES ADAP 2017 letters of intent is March 28, 2017. Scientists with approved Priority 1 GO observations involving < 200 hours of Spitzer time are eligible to propose for data analysis support under ADAP 2017. The solicitation also includes archival funding opportunities. Spitzer investigators with observations in our solar system that are not eligible for support through ADAP should consult the Solar System Observations 2017 (SSO17) solicitation in the ROSES-2017. The deadline for SSO17 Step 1

proposals is April 6, 2017. Please see

<http://ssc.spitzer.caltech.edu/warmmission/propkit/ar/> [13] for more information

on these funding opportunities.

Spitzer Science User Support

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UPCOMING WORKSHOPS AND MEETINGS

A) SPRING 2017 GBT OBSERVER TRAINING WORKSHOP

May 15-17, 2017, Green Bank Observatory

Registration is now open for the May 2017 Green Bank Telescope (GBT)

Observer Training Workshop

The workshop will provide the essential skills and knowledge needed to use the GBT and maximize its scientific output. In addition, after completing the workshop, an attendee will be certified to use the GBT as a remote observer. The workshop will consist of classroom lectures that provide background on observing techniques with the GBT and single dish radio telescopes more generally, as well as hands-on use of the GBT under the guidance of observatory staff. Topics to be covered include radio telescope fundamentals, observing and calibration techniques, the impact of weather, the GBT observing procedures and software, data reduction, telescope scheduling, and remote observing.

For more information and to register, please visit the Observer Training

Workshop page: <http://greenbankobservatory.org/science/observer-training-workshops/> [14]

B) RADIO EXPLORATION OF PLANETARY HABITABILITY

AAS TOPICAL CONFERENCE SERIES 5 (AASTCS 5)

7-12 May 2017

Palm Springs, California

Abstract Deadline 15 March 2017 9:00pm EDT

Travel Grant Application Deadline 17 March 2017

<https://aas.org/meetings/aastcs/radiohab> [15]

Radio astronomy provides means that allow the most direct investigation of the processes driving stellar activity. It also offers the best chance to detect and characterize exoplanetary magnetic fields over a wide range of planet masses and ages. The idea of this meeting has grown out of the need to better understand star-planet interaction and its impact on habitability of planetary companions, especially those in close orbits around low-mass stars. The meeting will address a wide range of the related topics, broadly divided into the following three categories: (i) stellar activity and planetary habitability, (ii) detection of planets and planetary magnetic fields, and (iii) the relevant theoretical considerations, emphasizing a potential impact of radio astronomy, especially the existing and the planned, large radio telescopes, in this area of research.

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JOBS, POSITIONS, OPPORTUNITIES

A) POSTDOCTORAL RESEARCH FELLOW

University of Michigan

Ann Arbor, Michigan

The University of Michigan astrophysics group invites applications for a postdoctoral research fellow in observational Solar System astronomy, under the supervision of Profs. David Gerdes and Fred Adams. The successful candidate will help lead our ongoing efforts to search for, discover, and characterize new objects in the trans-Neptunian Solar System (including the hypothesized Planet 9) using data collected by the Dark Energy Survey and related projects in which we are participants.

The University of Michigan is one of the world's leading public research universities. Astrophysics research areas include, in addition to Solar System science, observational and theoretical cosmology, CMB studies, star and planet formation, gravitational waves, and direct dark matter searches. The Michigan Astronomy Department has shared time on the Magellan, MDM, and NOEMA telescope facilities.

We seek an outstanding and motivated scientist with leadership potential, a strong research background in optical astronomy and analysis of large data sets, as well as an ability to interpret data in the context of dynamical models of Solar System evolution. The candidate will be encouraged to mentor graduate and undergraduate students.

Candidates should have a Ph.D. in physics, astrophysics, or astronomy. This NASA-funded position is for an initial period of one year beginning in summer or fall 2017, with expectation of renewal for up to two additional years contingent upon satisfactory performance and continued funding.

To apply, please send a single pdf containing a research statement and curriculum vitae to Ms. Beth Demkowski, demkowsk@umich.edu [16].

Candidates should also arrange to have three letters of reference sent to the same address.

Review of applications will begin on April 15, 2017 and will continue until the position is filled. The University of Michigan is an equal opportunity/affirmative action employer.

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aas.org [17])

To unsubscribe visit <http://aas.org/unsubscribe> [18] or email unsubscribe@aas.org [19].

To change your address email address@aas.org [20]

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Links

[1] https://urldefense.proofpoint.com/v2/url?u=http-3A__www.marchforscience.com&d=DwMFaQ& c=l_IU86Q8JTgnHn9K9kRmRlRlMhfeE6S9tCyr6T8mzvM&r=FORJ3IVLOwmkSX55fSGDrhg9HZJlh T00BFFUVY6-TCM&m=7NUjQqsM0jjEZUddE_I-mhnFLc__DsHs5wHhdF-8hEc&s=YPdAtgvthz0eX diWZJlQhCCm52A_ZtzVIU67ZBkCLmQ&e=

[2] https://urldefense.proofpoint.com/v2/url?u=https-3A__aas.org_posts_news_2017_02_march-2Dscienc e-2Daas-2Dand-2Dyou&d=DwMFaQ&c=l_IU86Q8JTgnHn9K9kRmRlRlMhfeE6S9tCyr6T8mzvM& r=FORJ3IVLOwmkSX55fSGDrhg9HZJlhT00BFFUVY6-TCM&m=7NUjQqsM0jjEZUddE_I-mhnFLc__ DsHs5wHhdF-8hEc&s=DRefBIctI0RPefXB4DJ09kpEBP8a5iuDGt0AsXQbhDw&e=



- [3] <mailto:Kurt.Retherford@swri.edu>
- [4] <mailto:DPS.Chair@aas.org>
- [5] <mailto:DPS.FRSChair@aas.org>
- [6] <mailto:jgrossman@nasa.gov>
- [7] <mailto:christina.r.richey@nasa.gov>
- [8] <http://nspires.nasaprs.com/>
- [9] <https://science.nasa.gov/researchers/sara/grant-solicitations/roses-2017/>
- [10] https://go.nrao.edu/ALMA_Cycle5_Development
- [11] https://go.nrao.edu/Roadmap_for_ALMA
- [12] mailto:ALMA_Cycle5_Development@nrao.edu
- [13] <http://ssc.spitzer.caltech.edu/warmmission/propkit/ar/>
- [14] <http://greenbankobservatory.org/science/observer-training-workshops/>
- [15] <https://aas.org/meetings/aastcs/radiohab>
- [16] <mailto:demkowsk@umich.edu>
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