Venus Newsletter #5 - 28 October 2019

This Newsletter focuses on the upcoming VEXAG Annual Meeting, Decadal Survey White Papers, with additional information on Upcoming Research and Student Opportunities, and Reminders About Additional Upcoming Meetings.

1) VEXAG Annual Meeting logistics

2) VEXAG Strategic Planning Documents finalized and available on website

3) Decadal Survey White Papers: guidelines, templates, due dates, links

4) Akatsuki Participating Scientist Program Opportunity

5) Venus Lab PhD Student sought at Univ. Arkansas

6) AGU Fall 2019 Venus Sessions

7) Exoplanets in our Backyard Workshop, LPI, February 5-7 2020

1) The 17th VEXAG Annual Meeting will be held at the Laboratory for Atmosphere and Space Physics (LASP) in Boulder Colorado, November 6-8, 2019.

Although formal registration is closed, everyone is welcome to just show up and attend.

Parking survey doodle poll link. Please fill in if you will be parking at LASP for the meeting: https://doodle.com/poll/ik6svy5bbbpvp6fz

Link for the SurveyMonkey Poll to collect orders for the Thursday Boxed Lunch before the VEXAG Excursion for Comparative Geology: https://www.surveymonkey.com/r/BTHJM72

A URL for remote participation will be upcoming in a listserve supplement soon.

2) The VEXAG Strategic Planning Documents are finalized and available on the VEXAG website: https://www.lpi.usra.edu/vexag/. Each document is posted individually, and a printer-friendly version of all 2 docs+foreward is available in another link (As of this notice the printer friendly version is not yet live, but it will be within a day or two).

3) Venus White Papers for the 2021 Decadal Survey.

A note from the VEXAG steering committee:
First, thank you for contributing. These white papers are really important for the future of Venus exploration. It is essential that we get them right!

Second, actual deadlines for these papers have been very slow in trickling out. We were told only that they would be due "sometime in the first half of 2020." We have also been told that community input and buy-in (in the form of cosigners) are critical. Thus, the VEXAG Steering Committee has designed a schedule to facilitate satisfying those goals.

Third, here are the deadlines and instructions -- they are also reproduced in cell B3 of the White Papers google docs:
https://docs.google.com/spreadsheets/d/1TZGokHreJ3_oP77mTeaj8oVTUY9sO6tvmKqCc537nEc/edit#gid=0<https://sslvpn.jhuapl.edu/spreadsheets/d/1TZGokHreJ3_oP77mTeaj8oVTUY9sO6tvmKqCc537nEc/,DanaInfo=docs.google.com,SSL+edit#gid=0>

DEADLINES:

1. Written rough drafts or outlines should be brought to VEXAG in the form of 10-20 hard copies of your draft. Your current version should also be posted to the google drive before VEXAG.

2. Revised electronic versions should be posted in the google drive by February 1 for public review before LPSC. All drafts will then be reviewed at the "White Paper Fair" during LPSC.

3. Near-final drafts should be posted by April 1 for public comments.

4. Penultimate copies will be collected from the google drive on May 1. VEXAG will bundle together and send all white papers to the National Academies by roughly June 1. See google drive for document template. Watch this space for updates.

Google drive folder for white papers:
https://drive.google.com/drive/folders/1ixI3Lluu3LQPuklicqo69tyDZwe8O8c2

Formatting instructions for white papers, and a link to a template are in cell A3 of the White Papers google doc:

Formatting:

Guidelines from the National Academies: White papers may not be more than 7 pages in length, single spaced, including all figures, tables, references and appendices. Papers can include web links to other documents among the references.

* A cover page may be included (beyond the 7-page limit) that should include the title of the white paper, the primary author?s name, phone number, institution, and email address, and a list of co-authors with their respective institutions.

* Use a 12-pt font with 1-inch margins on all sides of the document. One column format.

* Papers in Microsoft Word (.doc or *.docx), Adobe Acrobat (.pdf) formats will be accepted. No other formats will be accepted.

* White paper file sizes should be as small as possible. White papers larger than 50 Mb in size cannot be accepted, and files much smaller than this are encouraged. For file management purposes, please compress your figures as much as possible. You can provide hyperlinks to higher resolution versions of illustrations if you wish.

*See template on https://drive.google.com/drive/folders/1ixI3Lluu3LQPuklicqo69tyDZwe8O8c2.

Finally, FYI, there was a rumor going around that white paper authors will not be permitted to serve on the Decadal Review Committee. We contacted Lori Glaze about this, and she told us it is incorrect. The answer from NASA HQ is: Lori Glaze is working very hard on making sure lead authors of on white papers are NOT precluded from serving on the decadal survey committee. For now, please assume this will be resolved!.

Please let Darby and Noam know if you have any questions.

4) Akatsuki Participating Scientist Program Opportunity Announcement

ROSES-19 Amendment 41: New Opportunity in Akatsuki Participating Scientist Program

Amendment 41 adds a new program element to ROSES-2019: C.25 The Akatsuki Participating Scientist Program
(PSP)<https://sslvpn.jhuapl.edu/external/solicitations/,DanaInfo=nspires.nasaprs.com,SSL+summary.do?solId=%7bE0B6D8B0-B5B2-0797-2EF1-51A28A9A5E25%7d&path=&method=init>.

The Akatsuki PSP program aims to support and enhance the Akatsuki mission science objectives to understand the atmospheric circulation through global mapping with Akatsuki?s five cameras (spanning from ultraviolet to infrared wavelengths) and measurements of the atmospheric vertical structure with radio occultation techniques. The systematic and continuous observations by Akatsuki should provide a complete dataset of the Venusian atmospheric dynamics that complements the observations by Venus Express and prior missions to Venus.

Mandatory Notices of Intent are required by November 22, 2019 and proposals are due January 31, 2020. Proposals that are not preceded by a Notice of Intent will be returned without review.

On or about October 15, 2019, this Amendment to the NASA Research Announcement "Research Opportunities in Space and Earth Sciences (ROSES) 2019" (NNH19ZDA001N) will be posted on the NASA research opportunity homepage at http://solicitation.nasaprs.com/ROSES2019<https://sslvpn.jhuapl.edu/,DanaInfo=solicitation.nasaprs.com+ROSES2019> and will appear on the RSS feed at: https://science.nasa.gov/researchers/sara/grant-solicitations/roses-2019/<https://sslvpn.jhuapl.edu/researchers/sara/grant-solicitations/roses-2019/,DanaInfo=science.nasa.gov,SSL+>

Questions concerning this program element may be directed to Adriana Ocampo at aco@nasa.gov<mailto:aco@nasa.gov> and Lucas Paganini at lucas.paganini@nasa.gov<mailto:lucas.paganini@nasa.gov>.

5) Venus Laboratory PhD student opportunity at University of Arkansas

Arkansas Center for Space and Planetary Sciences Ph.D. Graduate Program

We are currently seeking a student for our Venus Simulation Laboratory for Fall 2020

- Atmosphere-surface interactions on Venus
- Condensation of volatile metallic compounds
- Geochemistry and mineralogy of high
- Temperature-high pressure metallic compounds

Interested ? Please contact: Dr. Vincent Chevrier vchevrie@uark.edu<mailto:vchevrie@uark.edu>

Background in geochemistry, mineralogy, or material science preferred

The Arkansas Center for Space and Planetary Sciences, created in 2000, is a research center which maintains facilities, equipment, instrumentation, and associated infrastructure for interdisciplinary research over a wide range of topics in engineering, astronomy, and planetary sciences. Additionally, the Space Center administers the University?s interdisciplinary graduate degree programs in Space and Planetary Sciences. Center faculty are drawn from biology, chemistry, geology/remote sensing, electrical and mechanical engineering, and physics, providing the wide range of expertise needed to address our research areas.

Info about our Center: https://spacecenter.uark.edu/

6) The Venus relevant sessions at AGU 2019 Fall Meeting are:

Venus sessions

P14B New Views of Venus: Science, Technology, and Missions I

P11E- New Views of Venus: Science, Technology, and Missions II Posters

There will be no Venus Town Hall on Thursday Dec 10.

Sessions with Venus presentations or posters (Not a complete list! Look at the AGU program for more:

A21S - Sounds of the Solar System: Geophysical and Planetary Acoustics

AE13B - Lightning Interaction with Tall Objects, and Atmospheric and Space Electricity General Contributions II Posters

B53I - Aerosols, Aerobiology, and Atmospheric Ecosystem Interactions II Posters

EP53F - Earth and Planetary Surface Processes General Contributions I Posters

P22B - Planetary Atmospheres and Evolution II

P23B - Planetary Atmospheres and Evolution III Posters

P23C - Planetary Rings, Meteoroid and Dust Populations, and Effects II Posters

P33H - Space Environments of Unmagnetized or Weakly Magnetized Solar System Bodies and the Effects of Space Weather on These Systems II Posters

P31B - Planetary Atmospheric, Surface, and Interior Science Using Radio and Laser Links II Posters

P33D - Concepts for Future Planetary Science Missions I eLightning

P33H - Space Environments of Unmagnetized or Weakly Magnetized Solar System Bodies and the Effects of Space Weather on These Systems II Posters

P34A - Planetary Atmospheric, Surface, and Interior Science Using Radio and Laser Links I

P42B - Space Environments of Unmagnetized or Weakly Magnetized Solar System Bodies and the Effects of Space Weather on These Systems I

P51G - Numerical Modeling and Data Analytics: From Earth-Like to Venus-Like Extrasolar Planets II Posters

P53A - Numerical Modeling and Data Analytics: From Earth-Like to Venus-Like Extrasolar Planets I

SH43D - Large-Scale Interplanetary Structures and Their Space Weather Effects III Posters

SM33C - Magnetized and Unmagnetized Planets: From Atmospheric Escape to Radiation Belts II Posters

SM33D - Magnetospheres in the Inner Solar System III Posters

SM42B Magnetospheres in the Inner Solar System I

SM51A - Magnetospheres in the Inner Solar System II

7) Reminder of Exoplanets in our Backyard Workshop, February 2019 at LPI

Registration is now open.

Call for Abstracts (Due November 13)

Exoplanets in Our Backyard:

Solar System and Exoplanet Synergies on Planetary Formation, Evolution, and Habitability

February 5?7, 2020

Houston, Texas

Exoplanets in Our Backyard is a workshop hosted by the Venus Exploration Analysis Group (VEXAG), the Outer Planets Assessment Group (OPAG), and the Exoplanet Exploration Program Analysis Group (ExoPAG) to examine and discuss exoplanet-solar system synergies on planetary properties, formation, evolution, and habitability. This workshop aims to foster and build new collaborations among scientists in the solar system and exoplanet communities and to help guide the direction of future exploration and observations of worlds in the solar system and beyond.

Registration<https://www.hou.usra.edu/meetings/exoplanets2020/registration/>
Early registration deadline ? January 6, 2020

Call for Abstracts<https://www.hou.usra.edu/meetings/exoplanets2020/abstracts/>
Abstract submission deadline ? November 13, 2019, 5:00 p.m. U.S. Central Standard Time (GMT ?6)

Visit the meeting website for details about abstract submission, registration, and logistics.
https://www.hou.usra.edu/meetings/exoplanets2020/