

Newsletter 18-48

Issue 18-48, November 23, 2018

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CASSINI SCIENCE SYMPOSIUM: MAY 20-24, 2019

The Cassini Project will host a five-day Cassini Science Symposium May 20 -24, 2019. The meeting will be held at the Applied Physics Laboratory in Laurel, Maryland.

Abstracts will be due 15 February 2019. Additional information, including the meeting website, will be included in a future notice. For now, please save these dates.

A combination of invited review talks, contributed oral and poster papers are solicited covering the latest Cassini findings on the Saturn system, including the interpretation and synthesis of results. Sessions will include interdisciplinary talks and will cover the following disciplines: Rings, Titan,



Icy Satellites, Magnetospheres and Saturn. Talks emphasizing Saturn-Jupiter synergies are encouraged. Discipline-focused workshops will also be held during the late afternoons. This Symposium can serve as a springboard for future studies and space missions. Future mission posters will be accepted.

We hope to see you there.

Linda J. Spilker

Chair, Symposium Organizing Committee

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CENTAUR EXPLORATION WORKSHOP: THE ROOTS OF ACTIVITY

A workshop addressing the scientific importance and space exploration relevance of active centaurs, with a specific focus on mapping knowledge gaps and paths forward.

PLEASE NOTE UPDATED INFORMATION

Dates: March 6-8, 2019.

Location: Florida Space Institute, University of Central Florida, Orlando, FL.

Workshop URL: <https://cew2019.arc.nasa.gov/> [1]

NOI, Registration and Abstract Submission: Now Open.

NOI Deadline: November 30, 2018.

Registration and Abstract Submission Deadline: January 7, 2019.

In-situ participation will be capped – Consider registering early and submitting an abstract.

Online participation will be available – Will require registration and notice of acceptance.

This workshop will be held at the University of Central Florida (Orlando, FL), under the auspices of the Florida Space Institute, the Center for Lunar and Asteroid Surface Science and SSERVI Central. The workshop's impetus is two-fold: Advance our understanding of how small bodies originate, evolve and become active beyond Jupiter's orbit; Planning of exploration strategies – Both Earth-based observations and Space-based measurements – aimed at representative objects of the Centaur population. The former serves as our science rationale and context, while the latter will help focus our workshop discussions and deliverables on future remote and in-situ characterization of specific targets. We strongly encourage the participation of early career researchers (including graduate students and postdoctoral researchers).

Discussion topics will be related to understanding specific properties and population trends following. The schedule is planned for a 2.5-day meeting and will include forward-looking presentations and guided discussions to allow for streaming of ideas and encourage inclusive participation. We aim for the workshop to result in a white paper and a plan for a multi-wavelength observing campaign. All active participants are welcome to contribute.

We plan to offer 3 modes of participation: In-situ participation and contribution, Active online participating and contribution (remote login) and Passive online participation (remote login and muted). Notices of intent are solicited from all interested participants, regardless of participation mode. Short abstracts (< 500 words) are requested from those interested in contributing presentation or facilitating discussion sessions.

Questions? Please contact the organizers:

Gal Sarid (gal.sarid@ucf.edu [2])

Maria Womack (womack@usf.edu [3])

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SCIENTIFIC DISCUSSION MEETING AT THE ROYAL SOCIETY, LONDON

This meeting, which takes place on 21 - 22 January 2019, at the Royal Society, London, will highlight recent developments in theoretical, laboratory and astronomical studies of the molecular ion H₃⁺ and its hydrogenated cousin H₅⁺. These developments include the first models of H₅⁺, high-resolution studies of H₃⁺-deuterated isotopologues, ultra-cold chemistry studies, new chemical models of the Galactic Centre, and data from the space missions Cassini (Saturn) and JUNO (Jupiter).

For more details see:

<https://royalsociety.org/science-events-and-lectures/2019/01/advances-in-hydrogen/> [4]

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NASA SEEKING VOLUNTEER REVIEWERS IN EARTH AND SPACE SCIENCE

NASA's Science Mission Directorate (SMD) is seeking subject matter experts to serve as mail-in and/or panel reviewers of proposals to ROSES and other SMD solicitations. Just follow the links below to the volunteer review forms and click the boxes to indicate the topics in which you consider yourself to be a subject matter expert. If your skills match our needs for that review, we will contact you to discuss scheduling.

We are currently seeking reviewers for:

- [Future Investigators in NASA Earth Science and Technology \(FINESST Earth\) This is the new solicitation for grad student research](#) [5]
- [Future Investigators in Space Science and Technology \(FINESST Space\) This is the new solicitation for grad student research](#) [6]
- [Lunar Surface Instrument and Technology Payloads \(ROSES C.28\)](#) [7]
- [Solar System Exploration Research Virtual Institute Cooperative Agreement Notice \(SSERVI CAN-3\)](#) [8]
- [Rosetta Data Analysis Program \(C.20 of ROSES\)](#) [9]
- [Discovery Data Analysis \(ROSES C.11\)](#) [10]
- [Mars Data Analysis Program \(ROSES C.9\)](#) [11]
- [Planetary Instrument Concepts for the Advancement of Solar System Observations \(PICASSO\)](#) [12]

Or you can always just visit the main landing page
at <https://science.nasa.gov/researchers/volunteer-review-panels> [13]

where there are links to all of these forms.

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SPITZER DIRECTOR'S DISCRETIONARY TIME (DDT) PROPOSAL HANDLING UPDATE

Spitzer is executing the "Beyond" phase of the mission which will continue through January 2020. Through the remainder of the mission DDT proposals are solicited for new, high-impact science programs. Up to 3,000 hours of DDT is available.

1. DDT proposals may be submitted at any time.
2. The review of time-critical proposals will be done immediately.
3. Proposals that are not time critical will be reviewed on a structured schedule.

The DDT proposal deadlines are:

February 8, 2019

May 10, 2019

September 10, 2019

4. All PIs that submit a DDT proposal will receive up to three proposals to review as part of the structured review process.

5. The default proprietary period for all DDT programs is zero days.

A maximum 90-day proprietary period can be proposed.

6. DDT requests must include:

- a. A strong scientific justification (and justification of time-criticality, if requested).
- b. A description of the long-term legacy value of the program.
- c. Completed Astronomical Observation Requests (AORs).

7. All required materials to prepare the proposal are available on the Proposal

Kit webpage: <http://ssc.spitzer.caltech.edu/warmmission/propkit/> [14]

- a. Read and follow the instructions in the DDT proposal guidelines (version 4).
- b. Use DDT proposal template (version 3) to prepare the proposal file, and adhere to the page limits.

8. Submit proposals through the DDT web form (not Spot):

<https://catcopy.ipac.caltech.edu/ddt/proposal.php> [15]

9. Direct all questions to the Helpdesk at help@spitzer.caltech.edu [16].

Spitzer Science User Support

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JOBS, POSITIONS, OPPORTUNITIES

A) POSTDOCTORAL RESEARCHER IN PLANETARY SCIENCE

UNIVERSITY OF HELSINKI

FINLAND

The Department of Physics at the University of Helsinki (Finland) is seeking an ambitious postdoctoral researcher to join the Planetary System Research Group.

The successful candidate is expected to carry out research within the framework of a project entitled "Population-level constraints on asteroid interior structure and composition". The aims of the project are to i) understand the mechanism leading to the destruction of near-Earth objects (NEOs) close to the Sun, ii) develop a state-of-the-art model of the near-Earth-object (NEO) population that accounts for the thermal and tidal disruption of NEOs, and iii) enable and prepare for solar system science with the European Space Agency's Euclid mission, currently planned to be launched in 2021.

Applicants should have a Ph.D. in planetary science or a closely related field, and, preferably, experience with numerical modeling of asteroid orbital evolution and/or disruption of asteroids or asteroid constituents. In addition, good programming and data analysis skills and a demonstrated ability to work both independently and in a team are considered highly advantageous.

Deadline for applications is November 30, 2018.

More information about the position including salary and benefits, as well as details on how to apply are available at:

<https://jobregister.aas.org/ad/09a5e498> [17]

B) PLANETARY SCIENCES TENURE-TRACK FACULTY POSITION AT CALTECH

The Division of Geological and Planetary Sciences at the California Institute of Technology is seeking outstanding applicants for a tenure-track faculty position in planetary science at the assistant professor level. We are seeking highly qualified candidates who are committed to a career in research and teaching. We are especially interested in individuals whose research complements that in the Division, which covers the full spectrum of the earth and planetary sciences. We are particularly interested in applicants with solar system-focused research programs in planetary geophysics/geology, planetary atmospheric sciences, or small bodies research; but those in other sub-disciplines will be considered. For further information or to apply

<https://applications.caltech.edu/jobs/ps> [18]

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Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aas.org [19])

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

To unsubscribe or update your information, please send your request

to privacy@aas.org [20]. The more general AAS privacy policy is available

online at <https://aas.org/about/policies/privacy-policy> [21].

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Source URL: <https://dps.aas.org/newsletters/18-48>

Links

[1] <https://cew2019.arc.nasa.gov/>

[2] <mailto:gal.sarid@ucf.edu>

[3] <mailto:womack@usf.edu>

[4] <https://royalsociety.org/science-events-and-lectures/2019/01/advances-in-hydrogen/>

[5] <https://science.nasa.gov/researchers/volunteer-review-panels/nasa-earth-science-fellowship-proposals>

[6] <https://science.nasa.gov/researchers/volunteer-review-panels/nasa-space-science-fellowship-proposals>

[7] <https://science.nasa.gov/researchers/volunteer-review-panels/lunar-surface-instrument-and-technology-payloads-roses-c28>

[8] <https://science.nasa.gov/researchers/volunteer-review-panels/solar-system-exploration-research-virtual-institute-cooperative-agreement-notice-sservi-can-3>

[9] <https://science.nasa.gov/researchers/volunteer-review-panels/rosetta-data-analysis-program-c20-roses>



- [10] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-c11-discovery-data-analysis>
- [11] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-c9-the-mars-data-analysis-program>
- [12] <https://science.nasa.gov/researchers/volunteer-review-panels/roses-c12-planetary-instrument-concepts-advancement-solar-system-observations-picasso>
- [13] <https://science.nasa.gov/researchers/volunteer-review-panels>
- [14] <http://ssc.spitzer.caltech.edu/warmmission/propkit/>
- [15] <https://catcopy.ipac.caltech.edu/ddt/proposal.php>
- [16] <mailto:help@spitzer.caltech.edu>
- [17] <https://jobregister.aas.org/ad/09a5e498>
- [18] <https://applications.caltech.edu/jobs/ps>
- [19] <mailto:dpssec@aas.org>
- [20] <mailto:privacy@aas.org>
- [21] <https://aas.org/about/policies/privacy-policy>