

Newsletter 18-30

Issue 18-30, July 21, 2018

+-----CONTENTS-----+

1. 50TH ANNUAL MEETING OF THE AAS DIVISION FOR PLANETARY SCIENCES OCTOBER 21-26, 2018 IN KNOXVILLE, TENNESSEE
2. HISTORICAL ABSTRACTS FOR THE 50TH DPS MEETING 21-26 OCTOBER, KNOXVILLE, TN, USA
3. LABORATORY RESEARCH ABSTRACTS FOR THE 50TH DPS MEETING 21-26 OCTOBER, KNOXVILLE, TN, USA
4. DPS 2018 ELECTION REMINDER
5. EUROPA DEEP DIVE 2: COMPOSITION A WORKSHOP FOCUSED ON THE CHEMICAL COMPOSITION OF EUROPA AND THE STATE OF LABORATORY DATA
6. FIRST ANNOUNCEMENT: THE MAIN BELT: A GATEWAY TO THE FORMATION AND EARLY EVOLUTION OF THE SOLAR SYSTEM
7. FIRST ANNOUNCEMENT IAU SYMPOSIUM 350 ON LABORATORY ASTROPHYSICS
8. 2018 FALL AGU SESSION NOTICES

+-----+

1-----1-----1-----1-----1-----1-----1-----1-----1-----1

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

REGULAR ABSTRACTS ARE DUE THURSDAY, JULY 26, 2018 9:00 PM EDT

Registration is now open!

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:

26 July 2018 Regular Abstract Deadline, 9:00 PM EDT

31 July 2018 Early Registration Deadline (lowest cost!)

31 July 2018 Exhibit Final Deadline

31 August 2018 Late Abstract Submission Deadline

15 September 2018 Dependent Care Grant Applications Due

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.

Two field trips are being scheduled for Saturday, October 27. 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.

2-----2-----2-----2-----2-----2-----2-----2-----2-----2

HISTORICAL ABSTRACTS FOR THE 50TH DPS MEETING 21-26 OCTOBER,
KNOXVILLE, TN, USA

Due date 26 July 9:00 pm ET.

The 2018 DPS marks the 50th anniversary of this meeting. This jubilee milestone will be celebrated at the meeting with an historical plenary session, including invited speakers and a panel, as well as a historical session on the Cassini mission. In addition, we welcome contributed abstracts that review and reflect on the last half-century of planetary science in the DPS. You are encouraged to submit your abstracts in the pertinent sections or under the topic "History ". Please note that History abstracts do not count against the limit of one Regular Research Contributed Abstract.

See <https://aas.org/meetings/dps50/abstracts> [2] for details.

Please contact SOC chair Devon Burr (dburr1@utk.edu [3]) or

SOC History sessions organizer Jay Pasachoff (jay.m.pasachoff@williams.edu [4])

with any questions.

Abstracts are due 26 July 9:00 pm ET.

3-----3-----3-----3-----3-----3-----3-----3-----3-----3

LABORATORY RESEARCH ABSTRACTS FOR THE 50TH DPS MEETING

21-26 OCTOBER, KNOXVILLE, TN, USA.

Deadline July 26,2018

You are encouraged to submit your abstracts in the pertinent sections or under “Laboratory Research”. Please make sure that the words Laboratory or Experiment are included in your abstract, preferably in the Title. We will try to embed your oral presentations into appropriate sessions.

SOC

4-----4-----4-----4-----4-----4-----4-----4-----4-----4-----4

DPS 2018 ELECTION REMINDER

The 2018 election for DPS Vice-Chair and Committee is now open, and will close on July 31st 2018.

Please remember to vote!

Go to <https://aas.org/vote/> [5]

You will need your AAS member login ID (which defaults to your membership number), and your password.

If you have trouble voting on line, the AAS can do a proxy vote and vote on your behalf (send an e-mail to dpssec@aas.org [6]). You will still get an automated email confirmation and a separate manual email, both with who you voted for and a confirmation number.

You should vote for one of the two candidates for Vice Chair:

- o Matija Ćuk, SETI Institute
- o Amanda Hendrix, Planetary Science Institute

The elected Vice Chair will take his/her functions in October 2018 and will become the DPS Chair in October 2019.

You should also vote for two of the four candidates for DPS Committee:

- o Michael Bland
- o Will Grundy, Lowell Observatory
- o Lucille Le Corre, Planetary Science Institute
- o Krista Soderlund, University of Texas

The successful candidates will serve on the Committee for three years after October 2018.

The detailed vitae and position statements for each of the candidates is linked from the main election page,

<https://aas.org/vote/> [5]

It is very important for all DPS Members to participate to these elections, so please take a moment to vote!

Thank you!

5-----5-----5-----5-----5-----5-----5-----5-----5-----5

EUROPA DEEP DIVE 2: COMPOSITION A WORKSHOP FOCUSED ON THE CHEMICAL
COMPOSITION OF EUROPA AND THE STATE OF LABORATORY DATA

Dates: October 9–11, 2018

Venue: Lunar and Planetary Institute, Houston, TX.

Abstracts Deadline (EXTENDED): August 9, 2018

URL: <https://www.hou.usra.edu/meetings/europadeepdive2018/> [7]

We encourage all members of the planetary science community whose research interests lie in Europa's chemical composition to submit abstracts for oral and poster presentations. The workshop is structured to provide ample time for oral presentations (at least 15 min), poster sessions, and discussion of Europa's chemistry as revealed by Observations, Data Analysis, Modeling, and Laboratory Work. This is your unique opportunity “to hear and to be heard” in an environment where ample time will be devoted to these topics.

The common thread of the Workshop is to assess our present understanding of Europa's composition (physical and chemical), evaluate the existing laboratory data, and summarize critical laboratory work to be conducted in the immediate future. We therefore solicit abstracts with a focus on observational data, spectral/modeling work, and laboratory data. Presenters are also encouraged to include discussions of any laboratory data that is needed or that would enhance their work.

Please feel free to contact members of the Deep Dive 2 SOC with any questions.

SOC – Europa Deep Dive 2

6-----6-----6-----6-----6-----6-----6-----6-----6-----6

FIRST ANNOUNCEMENT: THE MAIN BELT: A GATEWAY TO THE FORMATION
AND EARLY EVOLUTION OF THE SOLAR SYSTEM

Workshop, Sardinia, Italy | June 4-7, 2019

The Main Asteroid Belt is at the boundary of the inner and outer Solar System. It marks a transition region from the rocky volatile-poor inner terrestrial planets to the outer gaseous and icy giant planets. Asteroids also give us access to the relatively unprocessed building blocks of planet formation, with many retaining a record of processes that took place during the formation and early evolution of the Solar System. This workshop brings together experts to establish the current understanding of Main Belt asteroid science, as well as to debate future directions for investigation. The workshop stimulates discussions about accretion, chemistry, collisions, dynamics, geophysics, and meteorites. The workshop is limited to approximately 100 attendees.

Main topics:

1. Planetesimal Formation
2. Collisional Evolution
3. Depletion & Implantation
4. Composition & Chemistry
5. Meteorites & Samples
6. Space Missions

When: June 4-7, 2019 (including a half-day field trip to the 64-m dish Sardinia Radio Telescope).

Where: Chia Laguna, Sardinia, Italy |

<http://en.chialagunaresort.com/en/resort-sardinia/1-0.html> [8]

Important dates: A second announcement with details about deadlines and logistics on September 2018.

SOC Chairs: Maria Cristina De Sanctis, INAF, Italy / Simone Marchi, SwRI, USA

SOC Members:

Eleonora Ammannito, ASI, Italy
William F. Bottke, SwRI, USA
Fabrizio Capaccioni, INAF, Italy

Linda T. Elkins-Tanton, ASU, USA
Roger Fu, Harvard University, USA
Thorsten Kleine, University of Münster, Germany
Javier Licandro, IAC, Spain
Alessandro Morbidelli, OCA, France
Carol A. Raymond, JPL/Caltech, USA
Fumi Yoshida, PERC/Chitech, Japan

7-----7-----7-----7-----7-----7-----7-----7-----7-----7

FIRST ANNOUNCEMENT IAU SYMPOSIUM 350 ON LABORATORY ASTROPHYSICS

Please save the date!

The First International Astronomical Union Symposium on Laboratory Astrophysics, IAUS 350: Laboratory Astrophysics: from Observations to Interpretation, will be held in Cambridge, UK, from 14 - 19 April 2019.

The active synergy between astronomical observation, laboratory experiment and theoretical modeling has been reinforced at the 2015 IAU General Assembly by the creation of a new IAU Commission (CB5) on Laboratory Astrophysics (https://www.iau.org/science/scientific_bodies/commissions/B5/ [9]).

In this meeting we hope to build on this momentum and bring together active researchers in observational astronomy, space missions, experimental and theoretical laboratory astrophysics and astrochemistry to discuss the major topics and challenges that face today's Astronomy. We expect that interactions between researchers will result in a solid roadmap for future research that will lead to advances in our understanding of astronomical observations and guide the design of future observational instruments. You can read more on the objectives of the Symposium at

<https://www.iau.org/science/meetings/proposals/loi/2019/1991/> [10].

To register your interest in this meeting, please send an email to IAUS350-labastro2019@open.ac.uk [11].

You will then receive regular updates on the meeting.

On behalf of the Organizing Committee for IAUS 350,

Farid Salama
President
IAU Commission B5

IAUS 350 SOC:
Farid Salama (Chair), USA, Paul Barklem, Sweden, Helen Fraser, UK,
Thomas Henning, Germany, Christine Joblin, France, Sun Kwok, China,
Harold Linnartz, Netherlands, Lyudmila Mashonkina, Russia, Tom Millar,
UK, Osama Shalabiea, Egypt, Gianfranco Vidali, USA, Feilu Wang, China,
Giulio Del- Zanna, UK

8-----8-----8-----8-----8-----8-----8-----8-----8-----8-----8

2018 FALL AGU SESSION NOTICES

A) SESSION TITLE: B039. INTEGRATED HABITABILITY SCIENCE:
FORECASTING THE TRAJECTORY OF LIFE AND PLANETARY
HABITABILITY ON EARTH AND BEYOND

Session ID: 50570

Session Description: The Earth has experienced several catastrophic perturbations during its history, but nevertheless remained habitable. How will planet Earth and life co-evolve in the future? How will life adapt and transform itself across the environmental changes ahead of us? How will life continue to shape the Earth? How do microbial life and ecosystems naturally adapt to and co-evolve on human to geologic timescales? How can we enhance the Earth's habitability and expand sustainability into the deep future? This session has a special focus on the evolving planetary processes and the extent of life and its diversification that both contribute to the maintenance of Earth's habitability. We welcome interdisciplinary topics related to systems life science and synthetic biology,

exploration of deep life and ecosystems in extreme environments, limits and theories of life, and modeling of the Earth's habitability and geosphere-biosphere interactions in the past, present, and deep future.

Submit here before August 1, 2018, 11:59 PM EDT:

<https://agu.confex.com/agu/fm18/prelim.cgi/Session/50570> [12]

Conveners: Fumio Inagaki (JAMSTEC), Vlada Stamenkovic (JPL), Victoria J Orphan (Caltech), Kai-Uwe Hinrichs (MARUM-University of Bremen).

B) AGU SESSION P010: CLIMATE AND HABITABILITY OF ROCKY PLANETS IN THE SOLAR SYSTEM AND BEYOND

<https://agu.confex.com/agu/fm18/prelim.cgi/Session/45719> [13]

Session description: Recent advances in understanding the early habitability of Mars and Venus, the imminent exploration of rocky exoplanets by the James Webb Space Telescope, and mission proposals to search for life in the outer Solar system motivate us to consider planetary habitability from a wide range of angles. Questions of particular interest include: What does the solar system tell us about the habitability of exoplanets, and how can exoplanets inform our understanding of habitability? What drives Earth's long-term climatic stability and how will it end? What planetary conditions affect the emergence and maintenance of life, such as long-term volatile cycling or the evolution of a planet's host star? Finally, what insight can we glean from lifeless worlds about the conditions necessary for sustaining life? We invite studies that use observations, experiments, and theory to expand



our understanding of the climates and habitability of rocky planets in our Solar System and beyond.

Conveners: Daniel Koll, Jade Checlair, Thaddeus Komacek, Sukrit Ranjan

-----+

Send submissions to:

Anne Verbiscer, DPS Secretary (dpssec@aaas.org [6])

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 [14]. The more general AAS privacy policy is available online at <https://aas.org/about/policies/privacy-policy> [15].

Footer

- [Reports](#)
- [Photos](#)
- [History](#)
- [Bylaws](#)
- [Giving](#)

Source URL: <https://dps.aas.org/newsletters/18-30>

Links:

- [1] <https://aas.org/meetings/dps50>
- [2] <https://aas.org/meetings/dps50/abstracts>
- [3] <mailto:dburr1@utk.edu>
- [4] <mailto:jay.m.pasachoff@williams.edu>
- [5] <https://aas.org/vote/>
- [6] <mailto:dpssec@aaas.org>
- [7] <https://www.hou.usra.edu/meetings/europadeepdive2018/>
- [8] <http://en.chialagunaresort.com/en/resort-sardinia/1-0.html>
- [9] https://www.iau.org/science/scientific_bodies/commissions/B5/
- [10] <https://www.iau.org/science/meetings/proposals/loi/2019/1991/>
- [11] <mailto:IAUS350-labastro2019@open.ac.uk>



- [12] <https://agu.confex.com/agu/fm18/prelim.cgi/Session/50570>
- [13] <https://agu.confex.com/agu/fm18/prelim.cgi/Session/45719>
- [14] <mailto:privacy@aas.org>
- [15] <https://aas.org/about/policies/privacy-policy>