

## Newsletter 18-03

Issue 18-03, January 21, 2018

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### MESSAGE FROM THE CHAIR: NEW ICARUS EDITOR-IN-CHIEF

I am happy to inform you that Dr. Rosaly Lopes will be our new Editor-in-Chief for the journal Icarus effective February 1st. We welcome Rosaly to her new role. Her broad planetary science expertise and organizational experience (DPS Chair and managerial experience at JPL) will serve her well as Editor-in-Chief of Icarus.

With this change in leadership, we also have the opportunity to applaud and to sincerely thank Phil Nicholson once again for his 20 years of service as Editor-in-Chief of Icarus. Thank you for your commitment to and guidance of Icarus over the last two decades, Phil!

Please join me in welcoming Rosaly and thanking Phil on behalf of the Planetary Science community.

Cathy Olkin

DPS Chair

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## VOLUNTEER FOR AAS CONGRESSIONAL VISITS DAY 2018

Every year the AAS brings volunteers to Washington, DC, for Congressional Visits Day (CVD) to advocate for federal support of their science with their members of Congress. This year the AAS CVD will be held Monday-Wednesday, 12-14 March 2018. Would you like to advocate for the research efforts, education programs, and facilities in the planetary sciences that enable STEM engagement and innovation across disciplines and sectors? Then read on, and sign up today!

The AAS aims to select at least 15 volunteers who balance the program by division membership, location, career stage, and experience. Find more details and the CVD 2018 Sign-Up Form at:

<https://aas.org/posts/blog/2018/01/volunteer-congressional-visits-day-2018> [1]

Sign-ups are open now through 26 January 2018. Selected volunteers will be notified in mid-February 2018. Note that: You must be an AAS member; You must be eligible to vote in the United States; Business attire is required; The AAS will cover the majority of travel expenses for volunteers selected to participate, as our budget allows; and Submitting the form does not guarantee you a slot in this year's CVD. Also look ahead for AAS participation in the Science-Engineering-Technology (SET) Working Group CVD sometime in May-June 2018 (exact dates TBD).

Kurt Retherford

DPS FRS Chair

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SMALL BODIES ASSESSMENT GROUP SMALL BODIES GOALS DOCUMENT

The Small Bodies Assessment Group (SBAG) is beginning the process of revising our document of the community's goals for exploration and study of small bodies in the Solar System. Here is you chance to volunteer to be a part of the process, and make your voice heard.

The current Goals document is at <https://www.lpi.usra.edu/sbag/goals/> [2]

For the current workover, the leaders of the various sections, all of whom are cc'd, will be

Andy Rivkin, science  
Paul Chodas, planetary defense  
Dan Adamo, human exploration, and  
Amara Graps, resource utilization (this topic was not listed separately in the previous document)

If you are interested in participating in a section, please contact the lead for that section.

We hope to have groups of 6-10 people working on each section, primarily during the next 5-6 months, and primarily via email and telecon, and we hope to have the groups that are diverse in viewpoint, experience, gender, etc.

I hope that you will participate. It is important that documents like this represent the community as a whole.

Thanks.

Tim Swindle  
Chair, SBAG Steering Committee

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UPCOMING MEETINGS AND WORKSHOPS

A) ASIA OCEANIA GEOSCIENCES SOCIETY (AOGS) MEETING

3-8 JUNE 2018

HONOLULU, HAWAII

AOGS 2018 ABSTRACTS DEADLINE EXTENDED TO 26 JANUARY 2018

Conference website: <http://www.asiaoceania.org/aogs2018/public.asp?page=home.htm> [3]

FYI, for those of you who are interested in attending the 2018 Asia Oceania Geosciences Society meeting in Honolulu but didn't submit an abstract yet, the abstract deadline has been extended to January 26. As such, it's not too late to get your abstract submitted and join us in June!

We look forward to welcoming you to Honolulu!

On behalf of the conveners of PS10, PS12, PS14, PS19, PS20, and PS21,

Henry Hsieh (PSI)

Ludmilla Kolokolova (UMD)

Jian-Yang Li (PSI)

Norbert Schorghofer (PSI)

Jennifer Scully (JPL)

Bin Yang (Chinese Academy of Sciences)

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AOGS Session PS20: Missions and Surveys: Drivers of Future Solar System Science

Targeted space missions and both space-based and ground-based surveys have already had an enormous impact on planetary astronomy, with future planned missions and surveys promising to have even greater impacts. This session will explore these various efforts and detail their accomplishments to date, current statuses, and expected individual and cumulative impacts in the future.

Conveners: Henry Hsieh (PSI), Jian-Yang Li (PSI), Makoto Yoshikawa (JAXA)

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**AOGS Session PS21: Physical and Dynamical Evolution of the Post-formation Solar System**

In this session, we will consider the evolution of the post-formation Solar system, integrating views and results from various areas of study. Topics for discussion will include but are not limited to space weathering, dynamical and thermal evolution of small bodies and major planets, impact and rotational disruptions, crust formation, impact bombardment, and laboratory and experimental studies.

Conveners: Henry Hsieh (PSI), Ramon Brasser (ELSI),  
Norbert Schorghofer (PSI), Bin Yang (Chinese Academy of Sciences),  
Xiao-Ping Lu (MUST)

**B) COSPAR 2018 42nd Assembly – 60th Anniversary**

Pasadena, California, 14-22 July 2018

**ABSTRACTS DUE 9 February 2018**

## THE GOLDEN AGE OF SMALL BODIES, SCIENCE AND EXPLORATION

During these years small body science and exploration is experiencing an exceptional Golden Era. Recent Space missions such as Rosetta, Dawn and New Horizons, or surveys (HERSCHEL, WISE, Gaia) have changed our perspectives about Solar System formation/evolution. In the next months Hayabusa-2 and OSIRIS-REx will approach their targets for sample returns. Future missions are planned for Phobos, Didymos, or studied for active asteroids and Jupiter Trojans. Nevertheless, small body research also requires multidisciplinary efforts including telescopic observations, meteor analysis, meteoritic investigations, laboratory experiment and theoretical studies. In particular, research on surface properties and internal structures of small bodies as gravitational aggregates is a rapidly growing subject as well as is the investigation of samples returned by Comet or Asteroid. The intent of this session is to be the gathering place of recent results and future prospects of small body exploration from the scientific and the technologic point of view. The B1.1 Organizing Committee welcomes contributions with a Scientific, Technical or Instrumental focus encompassing all the topics above.

**\*Session Organizer\***

Ernesto Palomba (INAF/IAPS, Italy)

**\*Deputy Organizer\***

Daniel Hestroffer, IMCCE, CNRS (France)

**\*Scientific Organizing Committee\***

Ernesto Palomba (INAF/IAPS, Italy)

Daniel Hestroffer, (IMCCE, CNRS, France)

Hajime Yano (Jaxa, Japan),

Christopher T. Russell (University of California Los Angeles, USA),

Stephan Ulamec (DLR, Germany)

Andrea Longobardo (INAF/IAPS, Italy)

### C) AIDA/DART Spring 2018 Investigation Team Meeting

April 9, 2018

Johns Hopkins Applied Physics Laboratory, Laurel MD

The DART Investigation Team will have a one-day meeting of the Investigation Team on 9 April 2018. This meeting will be used to discuss the status of DART and the collaborative AIDA project, present work done by the Investigation Team during DART's Preliminary Design Phase ("Phase B"), and prepare for a possible transition to Final Design and Fabrication Phase ("Phase C") later in 2018. The meeting will have a single plenary session during which reports from each of the five Investigation Working Groups (Modeling and Simulation of Impact Outcomes, Remote Observations, Dynamical and Physical Properties, Science Proximity Operations, Ejecta Dynamics and Evolution) and the Deflection Independent Validation and Verification team will be given and discussed. We welcome community interest and participation in general discussion, and plan to provide for remote access. Registration is required for onsite participants so that we can generate a visitor log, but there is no registration fee and no abstracts are solicited.

Please register by 23 March at:

<https://tinyurl.com/DartTeamMtg> [4]

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Send submissions to:

Anne Verbiscer, DPS Secretary ([dpssec@aaas.org](mailto:dpssec@aaas.org)) [5]

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