

## Newsletter 18-04

Issue 18-04, January 23, 2018

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CELEBRATION OF THE EXPLORER-1 MISSION AND THE DISCOVERY  
OF THE EARTH'S RADIATION BELTS

January 31, 2018

National Academies Building in Washington, DC

Celebration Event

The Space Studies Board of the National Academies of Sciences, Engineering, and Medicine will host a celebration of the 60th anniversary of the Explorer-1 mission and the associated discovery of the Earth's radiation belts on January 31, 2018 at the National Academies building in Washington, DC where it all began. The agenda will focus on scientific and technological advances over the last 60 years, beginning with the history of the mission and radiation belt discoveries and continuing with the latest results from the NASA's Van Allen Probes and missions observing the Earth system.

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The event will conclude with presentations on the frontiers of space science.

To attend the free event please register at:

<http://radiationbelts.eventbrite.com> [1]

This event is being organized with support from NASA, and will be livecast.

It is part of a series of activities celebrating the 60th anniversary of the National Academies' Space Studies Board.

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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> [2]

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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### JOBS, POSITIONS, OPPORTUNITIES

#### A) NASA POSTDOCTORAL FELLOWSHIP – APPLICATION DEADLINE MARCH 1, 2018

This announcement reflects recent increases to the NPP annual base stipend and the annual travel allowance provided to fellows.

The NASA Postdoctoral Program offers US and international scientists the opportunity to advance their research while contributing to NASA's scientific goals. The NPP supports fundamental science; explores the undiscovered; promotes intellectual growth; and encourages scientific connections.

Selected by a competitive peer-review process, NPP Fellows complete one- to three-year Fellowship appointments that advance NASA's missions in earth science, heliophysics, planetary science, astrophysics, space bioscience, aeronautics and engineering, human exploration and space operations, and astrobiology.



Current NPP research opportunities in planetary science can be viewed here:

[https://npp.usra.edu/opportunities/?filter\\_keywords=&filter\\_fields=145](https://npp.usra.edu/opportunities/?filter_keywords=&filter_fields=145) [3]

Applicants must have a Ph.D. or equivalent degree in hand before beginning the fellowship, but may apply while completing the degree requirements.

U.S. citizens, Lawful Permanent Residents, and foreign nationals eligible for J-1 status as a Research Scholar may apply.

UPDATED! Stipends now start at \$60,000 per year, with supplements for high cost-of-living areas and for certain academic specialties. Financial assistance is available for relocation and health insurance, and \$10,000 per year is provided for professional travel.

Applications are accepted three times each year: March 1, July 1, and November 1.

For further information and to apply, visit:

<https://npp.usra.edu/> [4]

Questions: [npphelp@usra.edu](mailto:npphelp@usra.edu) [5]

## B) Ph.D. SCHOLARSHIPS

The Group of Orbital Dynamics & Planetology invites applications for PhD scholarships that will be funded by FAPESP (Fundação de Amparo à Pesquisa do Estado de São Paulo). The PhD Program



and the scholarships have duration of four years. The candidates should not have obtained the Master Degree. The projects to be developed are in the following topics:

- Origin, formation and evolution of satellites and planetary rings;
- Deflection of an asteroid in a collision route to the Earth.

The projects will be developed in the São Paulo State University – UNESP or in the National Institute for Space Research - INPE in São José dos Campos-Brazil.

Applicants should send a statement of research interest and a curriculum vitae to Prof. Silvia Giuliatti Winter (email: [giuliattiwinter@gmail.com](mailto:giuliattiwinter@gmail.com) [6]).

Deadline of applications: April, 13, 2018.

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Send submissions to:

Anne Verbiscer, DPS Secretary ([dpssec@aas.org](mailto:dpssec@aas.org) [7])

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- [1] [https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=s1yoEZoPZXZCWkAtYUjvz-hyeAjyXWdMuqXxH\\_PNKV AHin0G4mLVCA..&URL=http%3a%2f%2fradiationbelts.eventbrite.com](https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=s1yoEZoPZXZCWkAtYUjvz-hyeAjyXWdMuqXxH_PNKV AHin0G4mLVCA..&URL=http%3a%2f%2fradiationbelts.eventbrite.com)
- [2] <https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=XE8Vq0ExrHuGMlgl7yAJTPLAcHqoTiODgRppAdV5qq0 Hin0G4mLVCA..&URL=https%3a%2f%2faas.org%2fposts%2fblog%2f2018%2f01%2fvolunteer-congressional-visits-day-2018>
- [3] [https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=dbyBFXUul7ephJ\\_zly9LPzfAuQ7L125TqrNKtdnc9ZAHin0G4mLVCA..&URL=https%3a%2f%2fnpp.usra.edu%2fopportunities%2f%3filter\\_keywords%3d%26filter\\_fields%3d145](https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=dbyBFXUul7ephJ_zly9LPzfAuQ7L125TqrNKtdnc9ZAHin0G4mLVCA..&URL=https%3a%2f%2fnpp.usra.edu%2fopportunities%2f%3filter_keywords%3d%26filter_fields%3d145)
- [4] <https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=sCKvZf51a2CGBJdm1VFxlkn21l-e-rmxISG5Ntcg-9oHin0G4mLVCA..&URL=https%3a%2f%2fnpp.usra.edu%2f>
- [5] <https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=rhW2YfNLKNKozrZUsGE7gil8-O5Gsm6IEt9FEsN07mkHin0G4mLVCA..&URL=mailto%3anpphelp%40usra.edu>
- [6] <https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=12kjRZ838fOp0gMofpmN7rDkZdP3qzZcbR5JONauevAHin0G4mLVCA..&URL=mailto%3agiuliattiwinter%40gmail.com>
- [7] <https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=8uHD9g9-E-bMpXnHJY-5OQR-fedN9wLOkxcaotEwnfsHin0G4mLVCA..&URL=mailto%3adpssec%40aas.org>
- [8] [https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=doZc\\_v65inKUwj8paJMQO8AU51wo7jHbVuv7JpRb37oHin0G4mLVCA..&URL=http%3a%2f%2faas.org%2funsubscribe](https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=doZc_v65inKUwj8paJMQO8AU51wo7jHbVuv7JpRb37oHin0G4mLVCA..&URL=http%3a%2f%2faas.org%2funsubscribe)
- [9] [https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=xb6ziDtw55J1r8GEWZ5H3y--ab44w1ybOdeG\\_GG8EQIHin0G4mLVCA..&URL=mailto%3aunsubscribe%40aas.org](https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=xb6ziDtw55J1r8GEWZ5H3y--ab44w1ybOdeG_GG8EQIHin0G4mLVCA..&URL=mailto%3aunsubscribe%40aas.org)
- [10] <https://mail02.ndc.nasa.gov/owa/redirect.aspx?C=FIRObcUyW-NY6jSh7Kj-aRwW2QVQWQaAwlm9-sc0TIcHin0G4mLVCA..&URL=mailto%3aaddress%40aas.org>