

## Newsletter 20-09

Issue 20-09, March 1, 2020

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MESSAGE FROM THE CHAIR: NOMINATE YOUR COLLEAGUES FOR PRIZES ...  
AND REMINDER ABOUT UPDATED DPS PRIZE DESCRIPTIONS

All DPS members are strongly encouraged to submit prize nominations (due April 1)!  
The community relies on YOU to submit nominations - please don't expect that others will take care of this important task. We would like to have a large, diverse pool of nominees for each prize.

Just a reminder that the DPS Prize descriptions have been updated, as reported at the DPS business meeting in September 2019 in Geneva. The updated descriptions include the prize requirements that will be used by the DPS prize subcommittee and DPS committee to award the prizes. When preparing nomination letters, you are strongly encouraged to provide examples and evidence to support your statements for the nominee.



Since this is the first year that the new requirements are in place, we recognize that the eligibility windows may have shifted for some individuals. During this period of transition to the new (simpler) system, please email the DPS Prize subcommittee at [dpsprize@aas.org](mailto:dpsprize@aas.org) [1] if there are any mitigating circumstances concerning eligibility for a given prize, and they will be taken into consideration as part of the transition to the new prize requirements this year. Also, any active prize nomination package can be updated if needed in light of the new requirements.

From the business meeting report in Geneva: The Prize description changes were proposed by a DPS subcommittee, iterated with the full DPS committee and then ratified. Here is a brief summary of those changes:

1. More consolidated information is now provided on the [Nomination](#) [2] Page, including:
  - What is meant by 'Planetary Science'
  - Expectation that a candidate for nomination follows the AAS Code of Ethics and actively promotes AAS core values.
2. A new page on Prize Subcommittee Procedures is added, which describes the selection procedure (<https://dps.aas.org/prizes#Prize%20Rules%20and%20Procedures> [3])
3. The [Harold C. Urey Prize](#) [4] **candidates now have NO age requirement and the time since PhD has increased from 6 to 8 years.** Also, some text on criteria for consideration was added.
4. The [Gerard P. Kuiper Prize](#) [4]: A description of some criteria for consideration was added (innovative and creative nature of the work, leadership in the field, and collaboration).
5. The [Harold Masursky Award](#) [5]: **We removed: 'The Masursky Award is generally given for accomplishments outside of the normal work duties of the nominee'.** This was not the original intention of the award.
6. The [Carl Sagan Medal](#) [6]: No significant changes.

7. The [Jonathan Eberhart Planetary Sciences Journalism Award](#) [7]: No changes.

Detailed information about each DPS prize can be found at: <https://dps.aas.org/prizes/> [8]

Please remember to submit your DPS prize nominations by April 1st.

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## 2020 NASA PLANETARY SCIENCE SUMMER SCHOOL APPLICATIONS OPEN

Now through March 30, 2020, NASA is accepting applications for its 32nd Annual Planetary Science Summer School. Offered by the Jet Propulsion Laboratory in Pasadena, California, PSSS is a 3-month long early career development experience to help prepare the next generation of planetary science and engineering mission leaders. Participants learn the process of developing a hypothesis-driven robotic space mission in a concurrent engineering environment while getting an in-depth, first-hand look at mission design, life cycle, costs, schedule and the trade-offs inherent in each.

Science and engineering doctoral candidates, recent Ph.D.s, postdocs, junior faculty, and certain master's degree students, who are U.S. Citizens or legal permanent residents (and a very limited number of Foreign Nationals from non-designated counties), are eligible. Applicants from diverse backgrounds are particularly encouraged to apply.

Partial financial support is available for a limited number of individuals.

Session 1: Preparatory Sessions May 11-July 17. Culminating Week at JPL July 20-24

Session 2: Preparatory Sessions May 11-July 31. Culminating Week at JPL August 3-7

Roughly equivalent in workload to a rigorous 3-hour graduate-level course, participants spend the first 10-11 weeks in preparatory webinars acting as a science mission team, prior to spending the final culminating week at JPL being mentored by JPL's Advance

Project Design Team, or “Team X” to refine their planetary science mission concept design, then present it to a mock expert review board.

The deadline is March 30, 2020. To apply and learn more about the NASA Science Mission Design Schools:

<http://go.nasa.gov/missiondesignschools> [9]

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**PREVENTING HARASSMENT IN SCIENCE: BUILDING A COMMUNITY OF PRACTICE TOWARD MEANINGFUL CHANGE WORKSHOP**

We cordially invite you to participate in the Preventing Harassment in Science: Building a Community of Practice Toward Meaningful Change. This 2.5-day workshop will feature a variety of talks, panels and trainings on topics that range from community surveys, grass roots efforts to improve culture, effective anti-harassment training techniques, and discussion of how institutes react to harassment claims. Confirmed speakers include researchers in the field of psychology and social science, legal experts, and scientists who have created anti-harassment and inclusive trainings, groups, and culture surveys. Additionally, this event includes a half-day workshop by Dr. Kate Clancy, a noted anti-harassment researcher and Professor of Anthropology, focusing on how to build an inclusive environment. If you are interested in sharing your anti-harassment or inclusivity efforts and/or research, you may submit an abstract to participate in a poster session here.

Where: BLM National Training Center; Phoenix, AZ

When: March 31 - April 2, 2020

Website: <https://www.hou.usra.edu/meetings/anti-harassment2020/> [10]

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## 2020 INTERNATIONAL SUMMER SCHOOL IN ASTROBIOLOGY: SEARCHING FOR LIFE ON MARS: TECHNIQUES AND CHALLENGES

June 15 - 19, 2020, Santander, Spain

2020 is the year when two Mars spacecraft, one from the USA and the other from Europe, will launch towards Mars. Both are expected to significantly advance our search for life on Mars. The NASA Mars 2020 Rover is the first step of Mars Sample Return (MSR). Based on the Mars Curiosity design, Mars 2020 carries a Deep UV Raman mapping spectrometer, named SHERLOC, that will be able to detect organic molecules in spatial context. In addition, samples will be collected and cached for future return to Earth where they can be analyzed in our laboratories. ESA's Rosalind Franklin rover carries a drill that can collect samples from depths of up to 2 m for onboard analysis. The retrieved samples will be analyzed using a Raman spectrometer (the RLS instrument) as well as analysis using a coupled Gas Chromatograph- Mass Spectrometer (GCMS) of desorbed materials using the MOMA instrument. Although their results alone cannot prove that biosignatures are present, they will be able to identify carbon-containing compounds and the types of molecular frameworks and functional groups that are present.

The 2020 summer school will review and assess the types of techniques that are necessary for detection of biosignatures on Mars, including Raman spectroscopy, the isotopic and chirality analyses that the ESA and MSL rovers will perform, and the techniques that can analyze samples both in-situ and also on Earth-based laboratories for follow-up analysis. The central question will be "how can we unequivocally detect biosignatures on Mars?" and the discussions will involve in-situ rovers, optimal sample collecting and return, laboratory analyses with returned samples here on Earth, follow-on robotic exploration, and the experiments that future human explorers may be able to perform. The lectures will be focused on instrumentation and techniques.

In addition to the lectures, during the week the students will participate in discussions about the theme, participate in group projects, and take part in an excursion to a local and relevant geological site near Santander.

The school is primarily aimed at graduate students in science or engineering, but is open to anyone interested in the origin of life and astrobiology.

Applicants must be students affiliated with US institutions.

The deadline is March 16 and selections will be made by April 15.

To apply:

- 1) Fill out and submit an [application form](#). [11]
- 2) Have your advisor submit a [letter of recommendation](#). [12]

Questions can be directed to Melissa Kirven at [Melissa.kirven@nasa.gov](mailto:Melissa.kirven@nasa.gov) [13].

The participation of students from ESA Member States, Canada and Slovenia can be funded by the European Space Agency (ESA). Furthermore, students enrolled in Universities from European Union (as well as from other countries belonging to the European Higher Education Area, EHEA: <http://www.ehea.info/page-members> [14]) could also be directly funded by the UIMP (Universidad Internacional Menéndez Pelayo). Interested students please contact J. Miguel Mas-Hesse ([mm@cab.inta-csic.es](mailto:mm@cab.inta-csic.es) [15]) for further details.

The application deadline is TBD.

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NASA PLANETARY SCIENCE DIVISION PROGRAM SCIENTIST POSITION(S)

NASA's Science Mission Directorate has an immediate need for one or more scientists

with expertise in planetary science to serve as Program Scientists in the Planetary Science Division at NASA Headquarters in Washington, DC. The Division is responsible for

the scientific exploration of our Solar System and for improving our understanding of

planets. These opportunities are being made available under a standard detail arrangement

if you are a NASA civil servant, or under the Office of Personnel Management's (OPM) Intergovernmental Personnel Act (IPA).

NASA Program Scientists tackle a wide variety of challenges. These include: developing, operating, and maintaining Research & Analysis grants programs; serving as the Headquarters scientific lead for one or more Planetary Science missions; and helping implement and communicate the Planetary Science Division's strategic goals. Program scientists can

have substantial influence on strategic planning and can help shape the long-term scientific direction of missions and programs that they oversee.

Under authority granted to NASA in the NASA Flexibility Act of 2004 (Pub. L. 108-201,

118 Stat. 461 (5 U.S.C. 9801 et seq.)), the initial IPA appointment will be for up to two

years, with the possibility of reappointment up to a total of six years. The Intergovernmental Personnel Act provides for the temporary assignment of personnel between the Federal Government and state and local governments, colleges and universities, Indian tribal governments, federally funded research and development centers, and other eligible organizations; all applicants must be from an IPA-eligible organization.

This provides a unique opportunity for scientists to gain insight into Planetary Science

policy and programs, to better understand the proposal review process, and to run scientific programs with multimillion-dollar budgets.

The time spent at NASA Headquarters allows visiting scientists excellent career growth:

some return to their home institutions to continue academic research, while others move

on to management and leadership positions in the Federal government, academia, at observatories, or in the non-profit sector. Training and mentoring programs are available,

on both a formal and informal basis, which further enables our visiting scientists to advance

their careers. NASA also offers its visiting scientists regular travel back to their home institutions.

It is preferable for most Program Scientists in the Planetary Science Division have at least 6 years of post-Ph.D. experience. The ideal candidate will be skilled at working in a collaborative team environment; will be able to adapt to work simultaneously on numerous programs and missions; and will be able to foster productive relationships with staff working on the space missions they oversee, and with the US astrophysics community at large. Disciplinary expertise in one or more areas of planetary science is essential, but the ability to place this knowledge in the broader context of planetary science is equally important for the success of the Division's programs.

### Applicant Eligibility

Not every employee of a non-Federal entity is eligible to participate in the IPA program. The following lists indicate which employees of eligible non-Federal entities are eligible and which are not eligible to participate in the IPA program:

#### Eligible:

- Employees of non-Federal entities provided that they occupy a career position and have been with the entity for at least 90 days.
- If an employee changes from one non-Federal entity to another, he or she does not have to begin a new 90-day period provided that both organizations are eligible to participate in the IPA program.
- Since non-Federal entities do not always use the precise terms that are used in the Federal Government, it is important to examine the actual situation. For example, a university professor may not be called permanent, but may have worked at an institution for many years and is expected to continue working there. In such a case, the individual would be eligible to participate.

#### Not Eligible:

Students employed at institutions of higher education in research, graduate, or teaching assistant positions.

Elected officials of state and local governments.

Conflicts of interest

Duties and responsibilities to be performed for NASA must take into account possible conflicts of interest that may arise as a result of the assignee's continued employment at his or her home institution. Before selection of an assignee, SMD will consider the particular matters on which the assignee would work, the interest of the assignee's home institution in those matters, and how the assignee's participation may affect the home institution's interest. SMD will also consider whether the applicant is involved in any outside activities that may create additional conflicts. These conflicts of interest arise as part of the Program Scientist's role in the proposal review process, flight project lifecycle reviews, and policy implementations that may affect future procurements.

Additionally, assignees will not communicate on NASA's behalf with their home institution, continue to work on matters for their home institution, or represent their home institution or other third party to NASA or any other federal agency. Part-time IPAs may present unique conflict and representational concerns given their continued work with their home institution.

As previously mentioned, these opportunities may also be filled by NASA employees on detail from their Center. Individual research time while serving as a visiting scientist is negotiable. Positions are available from June 2020, though the start date is flexible.

Applicants should email a curriculum vitae and cover letter as a single PDF file by April 10, 2020 to EMAIL. For more information about the position, please contact Stephen Rinehart at [Stephen.A.Rinehart@nasa.gov](mailto:Stephen.A.Rinehart@nasa.gov) [16].

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Send submissions to:

Anne Verbiscer, DPS Secretary ([dpssec@aas.org](mailto:dpssec@aas.org)) [17]

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](mailto:privacy@aaas.org) [18]. The more general AAS privacy policy is available

online at <https://aas.org/about/policies/privacy-policy> [19]. Current and back

issues of the DPS Newsletter can be found at <https://dps.aas.org/newsletters> [20]

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## Links

[1] <mailto:dpsprize@aaas.org>

[2] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes-23Nomination&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=mq9cQUhp713JknSuLWFnjQogDQ7hSM813iGt05Rpz9E&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes-23Nomination&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=mq9cQUhp713JknSuLWFnjQogDQ7hSM813iGt05Rpz9E&amp;e=)

[3] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes-23Prize-2520Rules-2520and-2520Procedures&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=OK8YcB-AIE0tTucpn5iNeGB8NYf\\_2c5hPeN6FHUHHU0&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes-23Prize-2520Rules-2520and-2520Procedures&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=OK8YcB-AIE0tTucpn5iNeGB8NYf_2c5hPeN6FHUHHU0&amp;e=)

[4] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes\\_urey&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=ATPSsU5Gv0T4FhRq\\_qMUdubckISzZ0elfrsOxtgiQv4&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes_urey&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=ATPSsU5Gv0T4FhRq_qMUdubckISzZ0elfrsOxtgiQv4&amp;e=)

[5] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes\\_masursky&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=wxKAYSrYdGxqY9tE-dHMac1Ucz5AFGX1I6qvbdzYhDU&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes_masursky&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=wxKAYSrYdGxqY9tE-dHMac1Ucz5AFGX1I6qvbdzYhDU&amp;e=)

[6] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes\\_sagan&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=JZRglQ\\_QF4C3skfHC4Um3x3y34efOQLVU3jlZDJYelQ&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes_sagan&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=JZRglQ_QF4C3skfHC4Um3x3y34efOQLVU3jlZDJYelQ&amp;e=)

[7] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes\\_eberhart&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes_eberhart&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0)

- ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\_F4VUxhl&amp;s=RMCH3mgo3yOfFSkiL7CfotbLsOTiu554udS8of9igaw&amp;e=
- [8] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_prizes\\_&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=7wsGp694zL51DvfSQa7pJsMvS2sBY8UnBzAqjKaGM6U&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_prizes_&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=7wsGp694zL51DvfSQa7pJsMvS2sBY8UnBzAqjKaGM6U&amp;e=)
- [9] <http://go.nasa.gov/missiondesignschools>
- [10] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_www.hou.usra.edu\\_meetings\\_anti-2Dharassment2020\\_&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=fkiQQsxckdK5BjkS8lgdvEdeebzB-Gpb1jzbFPq822E&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.hou.usra.edu_meetings_anti-2Dharassment2020_&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=fkiQQsxckdK5BjkS8lgdvEdeebzB-Gpb1jzbFPq822E&amp;e=)
- [11] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_docs.google.com\\_forms\\_d\\_1AXOuufpl7YpB9rt-d-2DCvWj09dx-5FZZ51xCEtk0otmBnVw\\_edit&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3\\_F4VUxhl&amp;s=7JLepWjXfoLux6zo-8yz7TNE27sPgX35So8g\\_wDTgLQ&amp;e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.google.com_forms_d_1AXOuufpl7YpB9rt-d-2DCvWj09dx-5FZZ51xCEtk0otmBnVw_edit&amp;d=DwMGaQ&amp;c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&amp;r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&amp;m=-tZVLuA2iNRnUbgY01RWvpU0QdsvHnb05J3_F4VUxhl&amp;s=7JLepWjXfoLux6zo-8yz7TNE27sPgX35So8g_wDTgLQ&amp;e=)
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- [17] <mailto:dpssec@aas.org>
- [18] <mailto:privacy@aas.org>
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