



COSPAR News

July 2021 Issue 9

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Addressing the Climate Crisis

The climate of Earth is changing, imperiled by the relentless emission of greenhouse gases from our advancing civilization. The Arctic sea ice cover is disappearing, creating land and sea conditions never experienced in human history. Sea levels are rising, imperiling coastal communities where much of humanity resides. Precipitation patterns are changing, resulting in long periods of drought, imperiling our sources of food and reducing habitable locations. In an essay, *The Climate Crisis. A Time of Peril. A Time to Act.*, COSPAR President Len Fisk calls upon all nations to address the climate crisis, with urgency, deliberately, and with guidance provided by science, for our sake and that of all future generations. The essay is published [here](#), in the *SRTA Forum for Discussion*, and on the [COSPAR website](#), with the expectation that it will result in [discussion and comments](#).

Please continue taking all the necessary measures to stay well.

Richard Harrison and Leigh Fergus

Space Science Snapshot:

NASA's *Juno* takes first images of its flyby of Jupiter's largest moon Ganymede.



(Image credits: *NASA/JPL-Caltech/SwRI/MSSS*)



COSPAR Meetings

**44th COSPAR Scientific Assembly
Athens, Greece: 16-24 July 2022**

The Call for Papers for 44th COSPAR Scientific Assembly will be available soon! Keep your eye on the [COSPAR website](#) and www.cosparathens2022.org/ for details as well as the August issue of *Space Research Today*. The Assembly will be principally in-person, with virtual access for scientists unable to travel.



COSPAR Meetings

5th COSPAR Symposium
New Dates: 17-21 April 2023

The 5th COSPAR Symposium, to be held in Singapore, will have the theme 'Space science and small satellites'. More information [here](#).

COSPAR Member News
New National Scientific Institution Member
Report to COSPAR Available

The latest report is now available from [Poland](#).



COSPAR Member News

National Scientific Institution Member TUA

The Turkish space agency [TUA](#) has recently published its [new space programme](#).



COSPAR Community

In Memorium: Kees de Jager

COSPAR is saddened to announce the demise of Cornelis "Kees" de Jager, former COSPAR President (1972-1978, and 1982-86). Read about him [here](#).



COSPAR Business

PPP Policy Update

Keep an eye out for the soon to be published latest update to the COSPAR Planetary Protection Policy on the COSPAR website and in the August issue of *Space Research Today*



COSPAR Business

PPP Video Keeping our World(s) Pristine

See the new [video](#) about the work of COSPAR's Panel on Planetary Protection.



COSPAR Business

PSW Roadmap Update

The COSPAR Space Weather Roadmap is in need of updating approximately every five years as per the COSPAR PSW terms of reference. Read more [here](#) about the update pathway.



COSPAR Panel on Space Weather

COSPAR Business

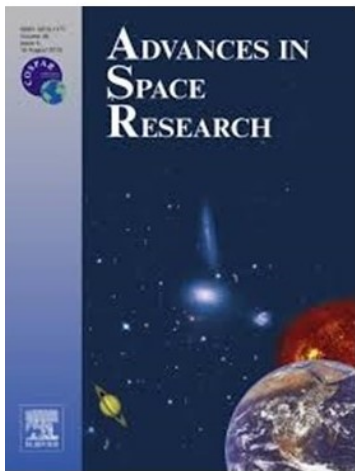
New COSPAR Panel - Social Sciences and Humanities (PSSH)

This new Panel gives COSPAR a role commensurate with the current challenges of space activities, in terms of their interaction with society at large, and gaining increased visibility outside the regular space science community. Read the [press release](#) [here](#). The Panel's Terms of Reference can be found on the [COSPAR website](#).



COSPAR Publications

ASR Special Issues



Call for papers for *Advances in Space Research* (ASR) special issue:

- [Magnetic Flux Ropes in Solar and Stellar Environments](#): deadline 31 August 2021
- [Astrophysics of Cosmic Rays](#): deadline 31 August 2021
- [Spaceborne SAR Remote Sensing for Characterization of Natural and Manmade Features](#): deadline 31 October 2021
- [Astrophysical Spectroscopy and Data in Investigation of the Laboratory and Space Plasmas](#): deadline 30 November 2021
- [Application of Artificial Intelligence in Tracking Control and Synchronization of Spacecraft](#): deadline 31 December 2021
- [New Results from DORIS for Science and](#)

Society: deadline 31 January 2022

COSPAR Publications

ASR Free Access Articles

Courtesy of Elsevier, all articles in the first issue of this year of *ASR* will be OpenAccess for one year:

These 51 articles can be downloaded by anyone without any paid subscription to the journal at:

www.sciencedirect.com/journal/advances-in-space-research/vol/67/issue/1



COSPAR Industry Partner: Northrop Grumman

Northrop Grumman has been selected to provide solid propulsion systems and controls for NASA's Mars Ascent Vehicle (MAV). The MAV will be launched to Mars in 2026 with a "fetch" rover that will collect soil and rock samples prepared by NASA's Perseverance rover, which landed on Mars on 18 February 2021.

NORTHROP GRUMMAN



News from Space Agencies

ESA Future Missions

ESA's large-class science missions for the timeframe 2035-2050 will focus on moons of the giant Solar System planets, temperate exoplanets or the galactic ecosystem, and new physical probes of the early Universe..

News from ISC Science Portal for COP26



**International
Science Council**

ISC has launched a global science portal to share news and opinions from the ISC network and broader scientific community in the run up to the 2021 UN Climate Change Conference (COP26) and the 2021 UN Biodiversity Conference (COP15):
www.transform21.org



On the Radar 1st Woman Astronomer Royal for Scotland Appointed

The astrophysicist [Professor Catherine Heymans](#) has been appointed the 11th Astronomer Royal for Scotland, and is the first woman to hold the post.



On the Radar

The Philippines Signs MOU with UN-OOSA

The [Philippine Space Agency \(PhilSA\)](#) and United Nations Office for Outer Space Affairs (UNOOSA) have signed an agreement on space cooperation to strengthen the institutions' shared commitment to the peaceful uses of outer space.



Employment / Internship Opportunities

Two PhD positions in Solar and Heliospheric Physics (Hvar Observatory, Croatia).
More information available at: <https://euraxess.ec.europa.eu/jobs/652499>

See the [Employment / Internship Opportunities](#) on the COSPAR website under the Latest News menu for details. Associates are kindly invited to forward similar announcements to cosparcom@cosparhq.cnes.fr

Space Science Quote

"Once you've been in space, you appreciate how small and fragile the Earth is."
Valentina Tereshkova, the first--and youngest woman astronaut



Space Science Highlights from the Past

It's now 30 years since the first space mission to include three women crew members was launched. The STS-40 was the 11th launch of *Columbia* space shuttle, carrying the Spacelab Life Sciences module 1.

Contribute to COSPAR NEWS!

If you have an announcement or item of news for the COSPAR--and wider space--community, please send it to leigh.fergus@cosparhq.cnes.fr

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