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- **From:** Nanda Rea
- **To:** Division D High Energy Phenomena and Fundamental Physics
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IAU Division D Newsletter, February 2022

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- * AHEAD2020 Announcement of Opportunity Cycle 3

The AHEAD2020 (Integrated Activities for High Energy Astrophysics*) calls for a program of transnational visits and remote access activities to be performed starting ~mid April 2022. The main objectives are:

- 1) fostering new or strengthening existing collaborations on science and technology topics in high energy astrophysics (visitor program);
- 2) provide access free of cost to selected European astronomical institutes and data centres for support in high energy and multimessenger data analysis, as well as computational astrophysics.
- 3) providing access free of cost to some of the best European ground test and calibration facilities relevant for high-energy astrophysics.

Visitor grants include full reimbursement of travel and subsistence expenses. To allow for possible restrictions to travel as an effect of the pandemic, the possibility of remote access for a number of services in the area of data analysis, tools and computational astrophysics will be provided.

** For activities concerning access to experimental facilities, submission will remain open and proposals can be submitted anytime until 28 June 2024; they will be evaluated typically within one month from delivery.

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* Registration for XXXI IAU General Assembly Now Open

The [31st General Assembly of the IAU \(IAUGA2022\)](#) will be held from 2-11 August 2022 in Busan, South Korea in a hybrid format. The official webpage for registration and abstract submission is now open as of, 3 January 2022.

The IAU announcement can be found [here](#).

1. Registration

You have two options for registration: in-person and virtual. Virtual registrants can remotely attend all sessions, including the plenary talks, live-streaming oral sessions, and web-based galleries of e-talks and e-posters through the meeting platform. Please note that in-person registration is required for both on-site and remote oral contributions. The early-bird registration closes on 28 February 2022.

2. Abstract Submission

In-person registrants can submit up to 4 abstracts for oral/e-poster/e-talk presentations, while virtual registrants can submit up to 4 abstracts for e-poster/e-talk presentations. The regular abstract submission closes on 31 March 2022.

3. IAU grant

The IAU will offer an IAU grant to participants who may not have sufficient travel funds. Applicants must register for IAUGA2022 and fill out the [IAU grant application form](#) by 31 March 2022.

4. KAS grant

The Korean Astronomical Society (KAS) will offer a KAS Grant to participants who may not have travel grants, in the following three categories: students, early-career astronomers, and retired IAU members. For in-person recipients, some volunteer services will be requested by the IAUGA2022 National Organizing Committee. Applicants must register for IAUGA2022 and fill out the [KAS grant application form](#) by 28 February 2022.

* Upcoming Conferences, Meetings, Workshops

Exploring the Transient Universe with the Nancy Grace Roman Space Telescope

February 8-10, 2022

Pasadena, USA (hybrid online)

<https://conference.ipac.caltech.edu/romantimedomain/>

The present and future of Astronomy - A critical look at hiring, evaluation processes, the way we do science and our role in society

February 14-18, 2022

Virtual

<https://www.eso.org/sci/meetings/2022/ASTRO2022.html>

The dawn of astrometric microlensing, from cold exoplanets to black-holes

February 21-23, 2022

Paris, France (hybrid online)

<https://www.cold-worlds.com/nouvelles-scientifiques/workshops-2022/>

HEAD19: The 19th Divisional Meeting of the High Energy Astrophysics Division of the AAS

March 13-17, 2022

Pittsburgh, USA

<https://aas.org/meetings/head19>

Large-Volume Spectroscopic Analyses of AGN and Star Forming Galaxies in the Era of JWST

March 29-April 1, 2022

Virtual (hosted by STScI)

<https://tinyurl.com/8832tytx>

Intermediate-mass black holes: new science from stellar evolution and cosmology

April 30 - May 3, 2022

San Juan, Puerto Rico

<https://sites.northwestern.edu/imbh>

PHAROS Conference 2022: The multi-messenger physics and astrophysics of neutron stars

May 16-19, 2022

La Sapienza, Rome, Italy

XMM-Newton Workshop: Black Hole Accretion under the X-ray microscope

June 13-17, 2022

ESAC, Madrid, Spain

<https://www.cosmos.esa.int/web/xmm-newton/2022-workshop>

Ten Years of the High-Energy Universe in Focus: NuSTAR 2022

June 20-22, 2022

Sardinia, Italy

<https://nustar.github.io/nustar2022/>

International School of Physics "Enrico Fermi": Foundations of Cosmic Ray Astrophysics

June 24-29, 2022

Varenna, Italy

<http://varenna2022.gssi.it>

EAS 2022: European Astronomical Society's annual meeting

June 27 - July 1, 2022

Valencia, Spain

<https://eas.unige.ch/EAS2022/>

7th Heidelberg International Symposium on High-Energy Gamma-ray Astronomy (y-2022)

July 4-8, 2022

Barcelona, Spain

<https://indico.icc.ub.edu/e/gamma2022>

Physics of Neutron Stars

July 11-15, 2022

Saint Petersburg, Russia

<http://www.ioffe.ru/astro/NS2022/index.html>

44th COSPAR Scientific Assembly (COSPAR 2022)

July 16-24, 2022

Athens, Greece

<http://www.cospar-assembly.org>

The Golden Universe: Nuclear Astrophysics & Cosmic rays in the Multi-Messenger Era

July 25-29, 2022,

Ouy Nhon, Vietnam

Dr. Jack R. Jokipii from the University of Arizona.

<https://www.iau.org/administration/membership/individual/3256/>

Dr. Boris A. Shakhov from the Main Astronomical Observatory, NAS of Ukraine.

<https://www.iau.org/administration/membership/individual/838/>

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If you wish to share with IAU Division D any information about matters that may be relevant to the activities of Div D Members, please send an e-mail to rea@ice.csic.es . This will appear in the next Newsletter, which will be sent out around March 1, 2022. Thank you in advance for your inputs, and best regards.

Dr. Nanda Rea, acting Scientific Secretary of IAU Division D Steering Committee

Institute of Space Sciences (ICE-CSIC, IEEC; Barcelona, Spain)

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