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- **From:** Nanda Rea
- **To:** Division D High Energy Phenomena and Fundamental Physics
- **Subject:** IAU Division D (High energy phenomena and fundamental physics) Newsletter - October 2021 – **incorrectly labeled as November 2021**

IAU Division D Newsletter, October 2021

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* Turnover of Div D Scientific Secretary

As of the end of September I have succeeded Prof. Anna Watts in her role of Division D Scientific Secretary, taking over also the monthly commitment as editor of the Div D Newsletter. On behalf of the whole division members and steering committee, I would like to warmly thank Anna for her great support of the division in the Scientific Secretary capacity in the last 6 years, and invite all Div D members to send me any information about matters that may be relevant to the activities of the division to be distributed in our Newsletter.

* IAU XXXI 2021 talks available

Dear colleagues,

The IAU XXXI 2021 General Assembly Business sessions as well as the pre-GA programs featuring "The IAU Today" are now available for viewing through YouTube at

https://www.iau.org/science/meetings/general_assemblies/ga2021/

Quiet Sky Protection working group. Enjoy all of the pre-GA meetings recordings to get an impression and overview of what the IAU does today.

Ewine van Dishoeck
IAU past-President

Debra Elmegreen
IAU President

* IAU PhD prizes

Applications are open for the IAU PhD Prize which recognises outstanding scientific achievement in astrophysics around the world. Each IAU Division has, once a year, the opportunity to award its own prize to the candidate it feels has carried out the most remarkable work in the previous year (i.e. a PhD Thesis which has been defended between the 16 December in the previous year, and 15 December this year).
Deadline: December 15, 2021.

https://www.iau.org/science/grants_prizes/phd_prize/

* IAU Scientific Meetings 2023

Applications are open to propose IAU Scientific Meetings during 2023. The programme of IAU scientific meetings (Symposia, Focus Meetings, Division Meetings, Regional Meetings) is one of the most important means by which the IAU pursues its goal of promoting astronomy through international collaboration. A large fraction of the Union's budget is devoted to the support of these IAU scientific meetings.

Deadline: December 1, 2021.

<https://www.iau.org/science/meetings/rules/>

* Call for the twenty-first XMM-Newton "Announcement of Opportunity"

Dear Colleague,

Yours sincerely,
Prof. Guenther Hasinger
Director of Science

Key Milestones:

Announcement of Opportunity: 17 August 2021
Due date for Proposals: 8 October 2021 (12:00 UT)
Final OTAC approved program: late December 2021

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* Upcoming Conferences, Meetings, Workshops

Dawn VI meeting on Next Generation Gravitational Wave Observatories; focus on Cosmic Explorer
October 5-7, 2021
Virtual
<https://gwic.ligo.org/dawn-6/>

Ultra-High-Frequency Gravitational Waves: A Theory and Technology Roadmap
October 12-15, 2021
Virtual
<https://indico.cern.ch/event/1074510/>

INTEGRAL: towards the third decade of X and Gamma ray observations
October 11-16, 2021
Hybrid (Sardinia, Italy + virtual)
<https://indico.ict.inaf.it/event/1001/>

TeV Particle Astrophysics 2021(TeVPA 2021)
October 25-29, 2021
Chengdu, China
<https://indico.ihep.ac.cn/event/11934/>

SuperVirtual 2021 - From Common to Exotic Transients
November 15-19, 2021
Virtual
<https://sites.google.com/view/supervirtual2021>

IAU Symposium 363: Neutron Star Astrophysics at the Crossroads

November 29 - December 3, 2021

Virtual

<https://astromeeing.gssi.it/>

2nd IAA-CSIC Severo Ochoa School on Statistics, Data Mining, and Machine Learning

November 29 - December 3, 2021

Granada, Spain

<https://www.granadacongresos.com/sostat2021>

Reproducibility and Open Science in Astronomy, ROSA2021

December 1-3, 2021

Virtual

<https://www.eso.org/sci/meetings/2021/REPRODUCIBILITY2021.html>

Science at Low Frequencies (SALF) VIII

December 6-9, 2021

Virtual

<https://salfconference.org/salfviii/>

31st Texas Symposium on Relativistic Astrophysics

December 13-17, 2021

Prague, Czech Republic

<https://texas2021.org/>

Gravitational Wave Physics and Astronomy Workshop

December 14-17, 2021

Hannover, Germany

<https://gwpaw2021.aei.mpg.de/>

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*In memoriam

We are sorry to learn of the passing of Dr. Thanu Padmanabhan from the Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, India .

<https://www.iau.org/administration/membership/individual/6510/>