

- **Date sent:** 27 August 2021, 10:42
- **To:** Division D High Energy Phenomena and Fundamental Physics
- **Subject:** IAU Symposium 363 (Neutron Star Astrophysics at the Crossroads) - Abstract submission deadline August 31

Dear all,

This is a reminder that the **deadline for abstract submission to the IAU Symposium 363 is fast approaching, on August 31.**

The same date also marks the **deadline to pay the standard registration fee** (capped at 250,00 euro). The registration fee includes: access to the virtual platform and to all sessions during the conference week, access to all interactive tools and chat, access to all the recorded talks, electronic proceedings.

Further information can be found at the links below:

For the Registration

<https://kuonicongress.eventsair.com/iau-363/registration>

For the abstract submission

<https://kuonicongress.eventsair.com/iau-363/abstracts>

For more details on the symposium (programme and invited speakers) please visit:

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

The applications for financial support are now closed, and we are pleased to inform you that 100 fee waivers have been allocated through IAU funds to PhD students, early-career researchers, researchers from economically less privileged countries, and participants with limited funds. This is an exceptional outcome, but unfortunately no further support is currently available.

We look very much forward to see you at the meeting,

Best Regards,

M. Branchesi, G. Israel, E. Troja, R. Turolla and S. Zane

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IAU Symposium 363: Neutron Star Astrophysics at the Crossroads: Magnetars and the Multimessenger Revolution

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Remote Symposium, November 29th – December 3rd 2021

PROGRAMME

The 363st International Astronomical Union (IAU) Symposium will be held remotely, November 29th – December 3rd 2021.

The symposium will focus on the astrophysical implications of gravitational-wave and electromagnetic observations of neutron stars. It will discuss the status, perspectives and challenges in the blossoming era of multi-messenger astronomy in order to build a complete physical picture of neutron stars, both isolated and in binary systems. It will explore the many facets of neutron stars, from magnetars to extreme astrophysical phenomena, such as giant flares, gamma-ray bursts and kilonovae. It will include discussions on next generation facilities for multi-messenger astronomy and their associated science cases.

The symposium will bring together the most prominent specialists in neutron star physics, magnetars, gamma-ray bursts, gravitational wave observations and theory. It will represent a natural avenue to present and discuss the latest transformative results of multi-messenger observations of neutron stars. The symposium will be organized around a morning plenary session and two parallel sessions in the afternoon. Plenary sessions are designed to give a broad and interdisciplinary overview of neutron stars, their gravitational-wave and electromagnetic emission. The parallel sessions will instead provide a deeper insight into specific questions on the physics of magnetars on one side, and neutron stars as sources of gravitational waves, kilonovae and gamma-ray bursts on the other.

Coordinating IAU Division: Division D High Energy Phenomena and Fundamental Physics

Supporting IAU Commission: Commission D1 Gravitational-wave astrophysics

#### INVITED SPEAKERS

Felix A. Aharonian, Alessandra Corsi, Paolo D'Avanzo, Imma Donnarumma, Irina Dvorkin, Paolo Esposito, Chris Fryer, Ersin Gogus, Jeremy Heyl, Konstantinos Gourgouliatos, Michael Kramer, Paola Leaci, Samaya Nissanke, Luigi Piro, Sergei Popov, Andrea Possenti, Bangalore Sathyaprakash, Patricia Schmidt, Masaru Shibata, Bogdanov Slavko, Masaomi Tanaka, Christina Thöne, Hendrik Van Eerten, Daniele Viganò, Linqing Wen

#### SCIENTIFIC ORGANIZING COMMITTEE

Marica Branchesi (chair), Gian Luca Israel (chair), Roberto Turolla (chair), Eleonora Troja (chair), Matthew Baring, Laura Cadonati, Bala Iyer, Nobuyuki Kawai, Tara Murphy, Rosalba Perna, Nanda Rea, Stephan Rosswog, Samar Safi-Harb, Dmitry Yakovlev, Silvia Zane

#### PROCEEDING EDITORS:

Eleonora Troja, Matthew Baring

#### LOCAL ORGANIZING COMMITTEE

Marica Branchesi, Eliana Di Giovanni, Marco Drago, Gian Luca Israel, Andrea Maselli, Gor Oganessian, Eleonora Troja, Roberto Turolla, Silvia Zane