

IWARA 2020 Video Conference 9th International Workshop on Astronomy and Relativistic Astrophysics

6-12 September
Mexico City, Mexico

DEAR COLLEAGUE

In light of the COVID-19 pandemic, the event **IWARA 2020**, in the presentational format, will be transferred to 2021, and named **IWARA 2021**. This year, in place of the presentational event, an online meeting, named **IWARA 2020 Video Conference**, will be held from 6 to 12 of September, 2020 and will include **Live Plenary Talks**, **Video-Recorded Talks and Presentations**, and **Virtual Posters Sessions**. **IWARA 2021** in turn, in presentational format, will be held from 5 to 11 September 2021, as originally planned, at the *Palacio de Minería*, in Mexico City, Mexico.

Registration is required for the online conference even if you have previously registered. No fee to attend.

[Link to Live Plenary Talks](#)
[Link to Parallel Sessions](#)

IWARA MEDIA PLATFORMS

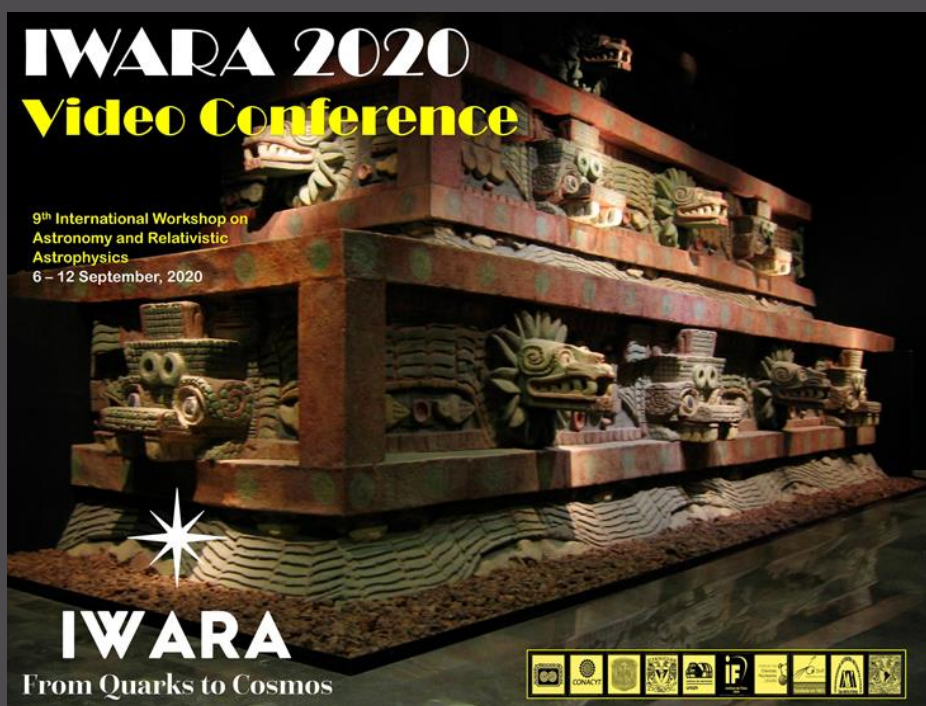
IWARA, acronym for International Workshop on Astronomy and Relativistic Astrophysics - Series of meetings gathering scientists working on astronomy, astroparticle physics, cosmology, relativistic astrophysics, gravitation, nuclear physics, quantum relativistic field theory and related fields. An integrated platform for scientific and academic projects and partnerships. Access the IWARA digital media platforms here: **YouTube [IWARA Channel](#)**, **[IWARA Web Platform](#)**, **[IWARA Instagram](#)**, **[IWARA Twitter](#)**, **[IWARA Facebook](#)**.

Scientific Committees

Please access [here](#) the nominate of members of the scientific committees of the **IWARA 2020 Video Conference**.

Aims, Scope, Activities and Submissions

- **Aims:** The **IWARA 2020 Video Conference** aims to bring together leading academic scientists, professors, students, and research scholars for exchanging experiences and research results and discuss the most recent innovations, trends, concerns, practical challenges, and solutions adopted in the research fields within the scope of the conference.
- **Scope:** The **IWARA 2020 Video Conference** offers to the participants a platform for scientific and academic projects, partnerships and presentation of high-quality research contributions describing original and unpublished results on the topics:
New phenomena and new states of matter in the Universe; General relativity, gravitation, cosmology; New directions for general relativity: past, present and future of general relativity; Alternative theories and extensions to general relativity; FRW cosmologies; Cosmic microwave background radiation; First stars, hypernovae, and faint supernovae in the early Universe; Active galactic nuclei; Quantum gravity and quantum cosmology; Higgs boson, and the strength of gravity; Astroparticle physics, elementary particles of astronomical origin and their relation to astrophysics and cosmology; Gravity and the unification of fundamental interactions; Supersymmetry and Inflation; String theory; White dwarfs, neutron stars and pulsars; Black hole physics and astrophysics; Supermassive Black holes; Neutron stars, black stars and black holes as laboratories for testing strong gravity; Gamma-ray emission in the Universe; High energy cosmic rays; Gravitational waves; Gravitational-wave Astronomy; Dark energy and dark matter; Strange matter and strange stars; Antimatter in the Universe; High-energy cosmic neutrinos; Blazars; Quasars; Quantum chromodynamics, nuclear and particle physics and new states of matter in the Universe; Heavy ion collisions and the formation of the quark-gluon plasma in heavy ion collisions and in the first instants of the Universe; Strong magnetic fields in the Universe; Strong magnetic fields in compact stars and in galaxies; Ultra-strong magnetic fields in neutron star mergers, quark stars and magnetars; Strong magnetic fields and the cosmic microwave background; Laboratories, observatories, telescopes and other experimental and observational facilities that will define the future directions of astrophysics, astronomy, cosmology, nuclear and astroparticle physics as well as the future of physics at the energy frontiers, and topics related to these.
- **Activities.** The **IWARA 2020 Video Conference** consists of the following activities:
 - **Live Plenary Talks.** From 08:00AM to 12:30AM (Mexico City time zone) the event will offer daily synchronous **Live Plenary Talks** with keynote speakers. The lectures slots are limited to 30' organized as follows: 20' for presentation and 10' for questionings. At the end of each plenary session there will be a topic review lecture lasting 60': i.e., 45' for presentation and 15' for discussions. The **Live Plenary Talks** will be recorded, stored and accessible to other participants in the YouTube **[IWARA Channel](#)**.
 - **Video-Recorded Talks and Presentations.** Unscheduled participants for plenary talks are invited to record videos containing lectures or presentations of their research. The recorded-videos must last a maximum of 20' and shall contain essential elements of the participant's research. If you are not used to recording your own lectures, on the internet you can find numerous tips for doing so. Additionally, participants of the **Video-Recorded Talks and Presentations** are invited to prepare a 3-slides contribution in PDF format (limited to 5MB file size) to be inserted into a dynamical video-synthesis that will be disclosed during the Conference-Breaks and on the IWARA Platforms. The suggested format of the 3-slides PDF contributions is the following: the 1st slide shall contain a presentation of the author with name, e-mail address, affiliation plus institutional logo (recommended), IWARA2020 logo (recommended), photo of the author (recommended), title of the contribution, short abstract; the 2nd slide must contain the main question or problem treated in the contribution and the main approach in finding solutions to the proposed problem; the 3rd slide shall contain the key results and main conclusions as well as key plots and equations (when it applies). Certain recorded lectures will be indicated as being complementary enhancements to the plenary talks scheduled for each day. These will be made available in advance of the corresponding plenary sessions so as to be available to all regardless of time zones.
 - **Virtual Poster Sessions.** The guidelines for the posters sessions as well as for participation in the contest **Marcos Moshinsky** may be found in **[Virtual Posters Sessions](#)**. The coordination and moderation of the poster sessions will be in charge of **[Mariana Vargas](#)**.
- **Submission guidelines.**
 - Recorded lectures and presentations as well as the 3-slides PDF contribution may be submitted by uploading them to **DropBox** (<https://www.dropbox.com/>), **Drive** (<https://drive.google.com/>), **WeTransfer** (<https://wetransfer.com/>), **ZOOM** (<https://zoom.us/>) or a similar hosting service and then sharing a link with the **Organizing Committee** by sending an e-mail to: iwara2020@cesarzen.com. Submission details of the posters sessions may be found in **[Virtual Posters Sessions](#)**.



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Registration, Deadlines and Certificates of the Conference

- **Registration** to the **IWARA 2020 Video Conference** is required, as previously informed, even if you have already registered to the presential meeting and is free of charges. A summary book of the proposals will be prepared and will become available to all registered participants. Registrations and abstracts must be submitted to the **official website** of the event. The language of the conference is English and all presentations are in English.
- **Call for abstracts:** Please be aware that the call for abstracts is already open. Please access the call for abstracts [here](#).
- **Deadline:** Registration, abstract and poster submission **deadline: August 15, 2020.**
- **Certificates** of participation and presentation will be issued to the participants.

Online video- and audio-conferencing platform ZOOM

The **IWARA 2020 Video Conference** will be hosted using the online video- and audio-conferencing platform **ZOOM**. This platform operates even with low local internet speed, with no buffering and with automatic adjustments during audio and video callings. Participants do not necessarily need to have **ZOOM** installed on their computer or cell phones or other devices; participants can access the synchronous live activities of the event through the teleconferencing invitation link provided by the **Organizers**. Participants can also install the free version of **ZOOM**.

- **Moderators:** The **IWARA 2020 Video Conference** will be moderated by **Cesar Zen**, **Mariana Vargas**, **Thomas Boller**, and **Benno Bodmann**. **Time zone:** The **IWARA 2020 Video Conference** will adopt the Mexico City time zone, Mexico.

Access, Coexistence and Cooperation Guidelines

- The access of registered participants to the live sessions of the **IWARA 2020 Video Conference** will be made preferentially through an *email meeting invitation* with an embedded link. The invitation may occur also by contact, phone, or room system. Through the 'regularly scheduled calls' option of the ZOOM system, the same invitation URL will be used throughout the event.
- The participants are supposed to verify in advance technical aspects of hardware and/or software of their equipment (tablets, cell phones, computers, laptops) as well as local internet connectivity for access to the **IWARA 2020 Video Conference**.
- Getting started:
 - ✓ Participants find on the web page [getting started](#) technical information about the ZOOM system.
 - ✓ The requirements for displaying in particular up to 49 thumbnails per page in gallery view: ZOOM Desktop Client for MacOS or Windows version 4.1.x.0122 or later; Intel i7 or equivalent CPU; dual core processor for a single monitor; quad core processor for dual monitors.
 - ✓ To facilitate the identification of the participants by the mediators, attendants are asked to adopt their first and last names in the list of participants of the conference and do not use nicknames or email IDs. The ZOOM system option '*allow participants to rename themselves*' will be enabled by the mediator during the event.
 - ✓ Participants will be automatically muted when they join the meeting, except the speaker's microphone.
 - ✓ To communicate with the moderator of the meeting, attendants may use the chat option or select their names in the list of participants and tap the icon 'Rise Hand' by selecting the ZOOM button at the bottom of the window on the right side of the screen. A hand icon next to his name will appear in the list of participants.
 - ✓ Participants are asked not to share their video, screen, and audio during the meeting.
 - ✓ Questions can be addressed to speakers in the live sessions, at the end of their presentations, by signaling in advance to the mediator using the chat option or the hand icon. In this case (hand icon), the microphone of the person asking the question will be temporarily switched on by the mediator.
 - ✓ **Usage Reports:** a report with an attendee list will be reported once every daily meeting is finished.

Proceedings

Proceedings will be published by the **Astronomische Nachrichten** (AN). Founded in 1821 by the German astronomer Henrich Christian Schumacher, AN is the oldest astronomical journal in the world that is still being published. Seminal works of Albert Einstein were published by AN. We ask the participants to access the **Authors' Guidelines** for elaboration of contributions. All articles must be in English. Contributions submitted for publication will be peer reviewed following the guidelines of **Astronomische Nachrichten** with respect to originality and academic excellence. **Deadline for submission of contributions: 01 November 2020.** Contributions should be submitted to iwara2020@cesarzen.com.

Downloads

Download a text about [Marcos Moshinsky](#)
 Download the **Logo** of the **IWARA 2020 Video Conference**
 Download a **Slide Show** about Mexico
 Download the **Poster** of the **IWARA 2020 Video Conference**
 Download the **WorldMapIWARA2020**

Peter Hess and Cesar Zen
IWARA2020 Video Conference
On behalf of the Organizing Committee