



INTERNATIONAL COMMISSION FOR ACOUSTICS

# NEWSLETTER

JULY 2023

*The purpose of the ICA is to promote international development and collaboration in all fields of acoustics including research, development, education, and standardisation.*

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## Message from the President

Dear Colleagues,

The latest ICA congress serviced both participation of delegates on-site as well as remote. The pandemic still held a grip on us, although dying out regionally and globally. By May 5, 2023, WHO officially called it off by recognizing the COVID-19 as an “established and ongoing health issue which no longer constitutes a public health emergency on international concern”. The pandemic will continue to hold its grip in many of us and will continue to affect among other our ways of interaction in science.

At the ICA 2022 in Gyeongju, Korea, the new management was elected. The out-going Vice President, Jeong-Guon Ih, served as the ICA 2022 General Chair, suffering a nerve-wrecking congress planning, and eventually juggling the challenges of servicing both on-site and remote delegates. More than 550 delegates attended the event in person, and for many this was the breaking point for returning to the new normal. The event with its many activities reminded us of the richness in physical interactions, as opposed to the online alternatives. The efforts of Professor Jeong-Guon Ih and colleagues in the organizing committee is highly appreciated.

The outgoing Past President Michael Taroudakis continues as a Co-Organizer of the International Year of Sound (IYS) legacy, jointly with former Past President, Marion Burgess. Their leadership is an inspiration to the ICA board, and their continued efforts highly appreciated.

## ICA Board Meeting

The ICA Board meets once per year and conducts business between meetings via email and online meetings. The 2022 Board Meeting was held during the Congress in Gyeongju, Korea, and the key decisions reported to the General Assembly later in the week.

One major decision was to hold the 2028 Congress in Funchal, Island of Madeira, Portugal.

The 2023 Board Meeting will be held in hybrid mode during one of the next major international congresses scheduled in the second part of the year. If any Member Society wishes to have any matters discussed at this meeting, please contact the General Secretary well in advance of the Board Meeting.

## ICA General Assembly

The ICA General Assembly was held online in October 2022, during the ICA Congress in Gyeongju (Korea), at which votes on recommendations made by the Board were recorded electronically.

A formal procedure was developed to facilitate both participation in the discussions and electronic voting. There were 45 full Members and International Affiliates attending the General Assembly as registered delegates. Overall, 197 out of 221 shares (89%) were represented.

The current financial balance of the ICA was presented, discussed, and approved by the General Assembly.

All other business will be carried out by the ICA Board as it has in the past, with email communication to the Member Societies when appropriate.

The minutes of both the ICA Board Meeting and the ICA General Assembly can be found on the ICA website.



*Dorte Hammershøi*  
ICA President

## ICA 2022 Gyeongju, Korea



*HICO & Opening ceremony.*



*ICA-ASA Young Scientists Grants*



*6 plenary speakers.*



*Social program.*



*Student Camp.*

The 24th International Congress Acoustics, ICA 2022 hosted by the Acoustical Society of Korea (ASK) was successfully held in Hwabaek International Convention Center (HICO), Gyeongju, Korea by in-person from October 24 to conference and more than 800 plenary, invited and contributed papers were presented as oral and poster presentations in 159 structured sessions. ICA2022 also provided the virtual conference website and all participants could view the pre-recorded presentation video files, E-poster, and sponsors' promotion site.

The conference started on October 24th with a opening ceremony by the general chair of ICA2022 organizing committee, Prof. Jeong-Guon Ih and the president of the acoustical society of Korea, Dr. Seong-il Kim (ASK). At the opening, ICA Early Career Award was presented to Dr. Julien Bonnel by the president of ICA, Dr. Mark Hamilton, and ICA-ASA Young Scientists Grants were presented to 22 awardees from Denmark, Indonesia, Nigeria, Australia, and so on. Also, ASK Young Scientists Grants supported by ASK were also presented to 7 awardees from Korea and China.

During the conference, six excellent plenary lectures were given by renowned researchers: Cheol-Ho Jeong (DTU, Denmark), Li Cheng (PolyU, Hong Kong), Janina Fels (RWTH Aachen Univ., Germany), Yun Jing (Penn State Univ., USA), Shoko Araki (NTT Communication Science Lab., Japan), and Julien Bonnel (WHOI, USA). At a satellite program, some sound experts who have made the best recordings at the Seoul Arts Center and the world's leading concert halls were invited to share their knowledge and information on the concert hall infrastructure, production experience, and technical directions with the sound directors.

Participants were able to experience Korean style and tradition through a variety of social programs. Gyeongju City Art Troupe played Korean traditional music and a telematic performance that Korean and Western instruments were performed was conducted on the theme of "Unlimited Sense-Warmth of Non-Contact". As a Social tour, they visited Gyeongju National Museum and ICA2022 organizing committee invited young acousticians to a student camp organized by ASK before the congress from 22nd to 23rd of October. In the camp, students took three lectures: 'Machine Listening from Sound to Meaning' by Prof. Kyogu Lee, 'Toward 3D Binaural Synthesis based on Spatial Hearing' by Prof. Shuichi Sakamoto, and 'Psychoacoustic Engineering in Spatial and Immersive Audio' by Prof. Hyunkook Lee.

At the end of the long pandemic of recent years, it was an honor to host a large-scale international event in Korea. In fact, we felt the difference clearly between the frustrating international conference conducted online for several years and the in-person conference with such face-to-face presentations and encounters atmosphere. With this ICA2022 as a starting point, we will have an opportunity to meet and exchange better in the field of acoustics.

You can still access the ICA2022 website ([www.ica2022korea.org](http://www.ica2022korea.org)) and ICA2022 organizing committee will open it by the end of 2023. All photos related to ICA2022 are copyrighted by the ASK.



*Jeong-Guon Ih*  
General Chair of ICA 2025

## Closing and legacy of the International Year of Sound 2020-2021



The International Year of Sound (IYS) which was initiated and managed by the ICA came to an official end in 2021. The closing official events of the IYS that were originally scheduled to be held in South Korea during the ICA 2022 will eventually be held in Turin during the FORUM ACUSTICUM 2023. Marion Burgess and Michael Taroudakis will present an invited key-note speech on the experiences from the International Year of Sound, while a structured session devoted to the IYS organized by Sergio Luzzi and Jean-Dominique Polack will include details on events associated with the IYS and the announcement of the students' competition to a wide audience.

It was among the objectives of the celebration that the message of the importance of sound would continue after the end of the year. This will be achieved in several ways.

The ICA will maintain the content of the website, [www.sound2020](http://www.sound2020). Thus, the listing of events plus the educational resources will be freely accessible into the future. A report on the planning and realization of the IYS is in preparation and will be posted to the IYS and the ICA sites and perhaps provide guidance to those planning another International Year of Sound in a decade or so. This report on the IYS will be freely available in 2024.

The IYS triggered the collaboration/communication among international institutions and various groups dealing with sound. These collaborations will continue to strengthen cohesion among the acoustics community and assist the promotion of the importance of sound.

While not all the ICA member societies organized events themselves, the sharing of the information, via the website and the final report, of the range of activities and innovative events will help all member societies to consider new ways of remaining in contact with their membership base. This will also encourage more outreach activities for the broader community and collaborating with like-minded national organizations.

Despite the challenges of 2020/2021, the ICA member organizations and supporters were agile and found new and innovative ways to promote the motto of the IYS, thus highlighting the importance of sound in our world. To recognize and encourage member societies to continue the momentum for such outreach activities, the ICA has established an annual award to recognize an outstanding outreach activity undertaken on behalf of an ICA Member Society. This award will maintain the memory of the IYS as it is to be called "International Year of Sound Award for Outstanding Outreach Activity"

A key feature of this award is that it is retrospective, i.e. the award is made to recognize the achievement by a group, a committee or an individual member of a national Member Society or an International Affiliate. The Member Society or International Affiliate receiving the award can choose to spend the amount of award in whatever manner it chooses but it is hoped that it will be used to encourage and enhance future outreach activities.



*Marion Burgess, Michael Taroudakis,  
and Jean-Dominique Polack  
Co-convenors IYS 2020*

## International Year of Sound Award for Outstanding Outreach Activity

### Preamble

The International Commission for Acoustics announces the “International Year of Sound Award for Outstanding Outreach Activity”.

The International Year of Sound (IYS) has been a very successful event organized by the ICA on a global scale in the Years 2020-2021. Despite the challenges of this period due to the pandemic and the restrictions that followed, the ICA member organizations and supporters found new and innovative ways to promote the motto of the IYS highlighting the importance of sound in our world. To encourage Member Societies to continue the momentum to undertake innovative outreach activities, the ICA has established an annual award to recognize an outstanding outreach activity undertaken by a group, committee or an individual member of a national Member Society or an International Affiliate during the previous year.

The award will be accompanied by an amount of EUR 1,000 and a certificate of achievement and will be presented in an appropriate ICA event. In order that an application is eligible for receiving the award, it should be associated with an outreach activity which should be outside the usual membership base. The award will be based on the decision of a judging panel appointed by the ICA board and will be given for a period of 10 years starting 2024. In any one year the judging panel may decide to share the award across more than one application or decide not to award.

### Award for activities held in 2023

The ICA Member Societies and International Affiliates are invited to submit an application for one outreach activity that has been held in 2023 which follows the specifications set by the ICA. The activity could be organized directly by the Society, a group of individuals related to the Society or an individual Society member. Acknowledgement that the activity is related to the National Society or International Affiliate should be identified in some way – for example by the National Society or International Affiliate name and/or logo on the promotion.

The application should contain the application form (available on the ICA website from September 2023) and a 2 page summary of the activity. This summary should include the details of the event, links to web site, social media listing if applicable or any other evidence of the promotion. The summary should also include an explanation of how the activity has highlighted the importance of sound in our world to those outside the usual membership base and give an estimate of the impact.

The deadline for the submission of the application for the 2024 award for an event held in 2023 is April 30, 2024.

## Symposium Sponsorship

The ICA allocates up to EUR 5,000 annually for sponsorship of specialty symposia in acoustics. In conjunction with the Acoustical Society of America (ASA), the ICA accepts applications for allocation of up to USD 2,000 for specialty symposia that comply with the conditions for the special ASA support.

There were five applications for 2023 funding from the ICA/ASA Specialty Symposia sponsorship program. These applications were evaluated by a committee comprised of the ICA Executive Committee and the ASA Committee on International Research and Education (CIRE), and the funding allocations were approved by the ICA Board.

The symposia receiving funding are:

- XIII Argentine Congress of Acoustics (Argentina)
- XXV Conference on Acoustic and Biomedical Engineering (Poland)
- Acoustics in Biomedical Engineering (Spain)
- 11<sup>th</sup> International Conference on Auditorium Acoustics 2023 (UK-Greece)
- 5<sup>th</sup> International Conference on Synthetic Aperture Sonar and Radar (UK-Italy)

Funding applications for 2024 will open shortly.

A new online form will be available on the ICA website from September 2023.



*Antonino Di Bella*  
ICA Secretary General

## ICA 2025 New Orleans, Louisiana, USA



The 25th International Congress on Acoustics, ICA 2025, will be held in New Orleans, Louisiana, USA, during 18-23 May 2025. It is being hosted by the Acoustical Society of America (ASA) and the venue will be the New Orleans Marriott, located conveniently on the perimeter of the French Quarter within walking distance of other hotels, restaurants, shopping, and tourist attractions.

As a meeting location, New Orleans offers a compact, walkable downtown that facilitates networking as attendees experience the unique music, culture and history of the French Quarter right at their doorstep. With its exceptionally well-preserved architectural treasures, delightful Creole and Cajun cuisine, and a thrilling diversity of music performed on street corners and pouring out of clubs by night, the French Quarter is the beating heart of this special American city.

Scientifically, ICA 2025 will bring together experts from around the world to learn about the latest research and applications in the field of acoustics. It will offer participants a unique opportunity to exchange ideas and information on acoustics through plenary lectures, technical sessions, and poster presentations. It will also provide an excellent opportunity for exhibitors to showcase their products, services, and solutions to a global audience.

Two satellite meetings are being planned in conjunction with the congress, the International Symposium on Room Acoustics (ISRA) and the International Symposium on Musical Acoustics (ISMA), and the possibility of combining the two is under consideration. David Woolworth, current chair of the ASA Technical Committee on Architectural Acoustics, is organizing the ISRA, and



Andrew Piacsek, previous chair of the ASA Technical Committee on Musical Acoustics, is organizing the ISMA. The unique architecture, performance spaces and musical heritage of New Orleans will provide an ideal backdrop for these two symposia.

The leadership for ICA 2025 is now in place, which includes Mark Hamilton as general chair, Joel Mobley as vice chair, Michael Haberman and Preston Wilson as technical co-chairs, Daniel Farrell as webmaster, Debra Nolan as meeting planner, and Elaine Moran as ASA liaison. Future updates will be posted on the ICA 2025 website: <https://ica2025neworleans.org/>



*Mark Hamilton*  
General Chair of ICA 2025

## News from IUPAP



ICA is an affiliated commission within the International Union of Pure and Applied Physics (IUPAP), and ICA officers participate regularly in the annual administrative meetings of IUPAP. IUPAP's principal administrative meetings in 2022 were held in Trieste, Italy during the month of July: the meeting of the Executive Council and Commission Chairs (EC&CC) July 5-8, followed by the General Assembly on July 14. In between these two administrative meetings, IUPAP held its Centennial Symposium July 11-13.

The Centennial Symposium, celebrating the creation of IUPAP in 1922, was fully hybrid and attended by 310 participants, 110 in person and 200 online. The Symposium included plenary talks by keynote speakers and other activities, with an emphasis on aspects of the IUPAP history, on developing countries, collaborations among countries, physics education, and many other items consistent with the IUPAP mission.

The EC&CC meeting and the General Assembly were also hybrid. The former was attended online by ICA Past President Michael Taroudakis, and the latter by ICA Secretary General Antonino Di Bella. An important benefit of ICA's participation in IUPAP is the opportunity to obtain funding for congresses organized by ICA or meetings organized by our international affiliates. For example, IUPAP provided financial support for the ICA 2022 congress in Korea last October. IUPAP had also approved an ICA proposal for financial support of the joint international meeting organized by ASA, AAS, WESPAC, and PRUAC originally scheduled for December 2021 in Sydney, Australia. Due to Covid-19 this conference was rescheduled for 4-8 December 2023, now called Acoustics 2023. Our participation in the 2022 EC&CC meeting ensured that the previously approved financial support was transferred to Acoustics 2023.

Also in July 2022, IUPAP president Michel Spiro declared open the International Year of Basic Sciences for Sustainable Development (IYBSSD) at the UNESCO Headquarters in Paris, France. IYBSSD is a program that the Member States of the United Nations agreed on to ensure a balanced, sustainable and inclusive development of the planet.

ICA submits an annual report to IUPAP, which provides an opportunity to share ICA activities with another wide scientific community. Our annual report submitted in 2022 followed the conclusion of International Year of Sound 2020-2021. This enabled us to share the highlights of IYS 2020-2021 with IUPAP and further emphasize the importance of sound in the world.



*Mark Hamilton*  
ICA President

*Michael Taroudakis*  
ICA Past President

## ICA Communication on WEB, social media, and more

Communication has a very important role for anyone who aims to facilitate the sharing of knowledge. The evolution in the media is very rapid and there are plenty of options to connect anyone interested in acoustics.

Unfortunately, there were several email and communication issues that were difficult in the first quarter of 2023. The issues are being resolved and we apologize for the inconvenience.

However, these difficulties gave us the opportunity to think about how to improve the information exchange services between members. For this reason, the website is being implemented with new data collection forms.

While awaiting the completion of these improvements and the definitive transfer of all ICA information to the new site (it is a huge archive, with more than 70 years of documents and conference proceedings), it is still possible to have a look at the old website through the link: [legacy.icacommission.org](https://legacy.icacommission.org).



*Antonino Di Bella*  
ICA Secretary General

## World Hearing Day 2023

World Hearing Day 2023 theme of the World Hearing Day was

***Ear and hearing care for all!***  
***Let's make it a reality***

- Ear and hearing problems are among the most common problems encountered in the community.
- Over 60% of these can be identified and addressed at the primary level of care.
- Integration of ear and hearing care into primary care services is possible through training and capacity building at this level.
- Such integration will benefit people and help countries move towards the goal of universal health coverage.

World Hearing Day 2023 was held on March 3<sup>rd</sup>.

WHO launched a new training manual - Primary ear and hearing care training manual. The manual will be accompanied with trainer's handbook and other community resources.

The manual is available at the following link:

<https://www.who.int/teams/noncommunicable-diseases/sensory-functions-disability-and-rehabilitation/primary-ear-and-hearing-care-training-manual>.



The WHO also continues its efforts in the Make Listening Safe initiative, where an expert consultation meeting is held June 8-10, 2023. The earlier efforts on dose estimation of personal listening, which lead to the WHO-ITU H.870 standard “Safe listening devices and systems”, followed by the Global standard for “Safe listening venues and events”. Currently, the working group focuses on the assessment of hazards for gamers.

The Make Listening Safe efforts and products are described here:

<https://www.who.int/activities/making-listening-safe>

## International Noise Awareness Day

International Noise Awareness Day is a global campaign, founded in 1996 by the Center for Hearing and Communication (CHC), aiming to raise awareness of the effects of noise on the welfare and health of people. Noise affects people in many ways, but only deafness and annoyance receive actual interest from the general public. Worldwide, people are called upon to take part via various actions on this occasion: open days on hearing from acousticians, lectures in public health departments, universities and schools, panels of experts, noise level measuring actions, and readings.

The 29<sup>th</sup> Annual International Noise Awareness Day took place on 26 April 2023.

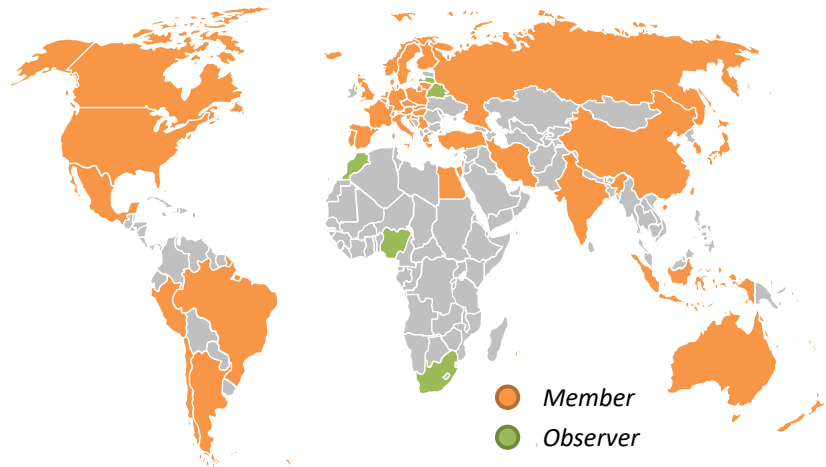
More information on this initiative and on the national activities that took place during this event is available on the INAD website:

<https://noiseawareness.org/act-now/>.





## ICA Membership



The following list comprises the national acoustical societies that are full Members of the ICA.

Argentina	Hong Kong (HKSAR)	Poland
Australia	Hungary	Portugal
Austria	Iceland	Russia
Belgium	India	Serbia
Brazil	Indonesia	Singapore
Canada	Iran	Slovakia
Chile	Israel	Slovenia
China (PRC)	Italy	Spain
Croatia	Japan	Sweden
Czech Republic	Korea (South)	Switzerland
Denmark	Lithuania	Taiwan
Egypt	Mexico	Turkey
Finland	Netherlands	USA (ASA)
France	New Zealand	USA (INCE)
Germany	Norway	United Kingdom
Greece	Peru	

Observers: Belarus, Latvia, Morocco, Nigeria, South Africa.

If you know of any group that you think should be included, please let us know the contact details and we will follow up.

In addition, the following are the International Affiliates of ICA:

- Audio Engineering Society (AES)
- European Acoustics Association (EAA)
- IberoAmerican Federation of Acoustics (FIA)
- International Commission on Biological Effects of Noise (ICBEN)
- International Congress on Ultrasonics (ICU)
- International Institute of Acoustics and Vibration (IIAV)
- International Institute of Noise Control Engineering (I-INCE)
- Western Pacific Acoustics Commission (WESPAC)



*Antonino Di Bella*  
ICA Secretary General



## International Year of Sound 2020-2021

### Importance of Sound for Society and the World

Initiated by:



In cooperation with:



[www.sound2020.org](http://www.sound2020.org)

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CLOSING EVENT DURING FORUM ACUSTICUM 2023

<https://www.fa2023.org/>