

# Welcome to



**inter·noise**  
**2021** 1 - 4 AUGUST

THE 50<sup>TH</sup> INTERNATIONAL CONGRESS AND EXPOSITION  
ON NOISE CONTROL ENGINEERING



Washington, DC, USA | August 1-4, 2021



Brazilian  
Association for  
Acoustical Quality





## NEXT 50 YEARS OF NOISE CONTROL

**Organized by:** Institute of Noise Control Engineering of the USA (INCE-USA) and Pro Acustica (Brazilian Association for Acoustical Quality, Brazil) on behalf of the International Institute of Noise Control Engineering (I-INCE)

Special sessions and events will be held to observe the 50th inter-noise Congress Anniversary, reflecting on advances in noise control and the technology that has enabled advances, as well as looking forward to future advances in noise control.

**Venue:**  
**Marriott Wardman Park Hotel**  
2660 Woodley Road NW  
Washington, DC 20008 (USA)

We are hoping for a live, face-to-face event, but we are prepared to hold the inter-noise 2021 congress in virtual or hybrid mode depending on the COVID-19 conditions and travel restrictions.

**- Congress President Raj Singh**

This Congress provides an excellent opportunity for engineers and scientists working in the field of noise control, acoustics, and vibration to come together and exchange ideas about their profession. With more than one hundred technical sessions covering a wide range of issues facing the noise control industry and exhibitors in attendance...you don't want to miss this event!

# TECHNICAL PROGRAM

A broad array of topics will be offered in the technical sessions in accordance with the style of previous inter-noise Congresses. Here is just a representation of the session topics with many other topics to be added:

Active Control	Aircraft Noise	Sound Quality & Product Noise	Signal Processing
Acoustic Materials & Sound Isolation	Transportation Noise and Vehicle NVH	Psychoacoustics	Diagnostics, Artificial Intelligence, Big Data
Vibration Isolation & Damping	Underwater Noise	Indoor and Outdoor Soundscapes	Sound Field Visualization
Architectural & Building Acoustics and Noise Control	Railway Noise and Vibration	Community Noise	Reproduction of Sound
Hospital Noise	Tire-Road Noise	Health Effects of Noise	Modeling, Numerical Methods, Simulation
Classroom Acoustics and Noise Control	Industrial Noise	Noise and Speech Communication	Vibro-acoustics
Noise Control Education	Sound design for electric vehicles	Noise Annoyance and Perception	Flow-induced noise and vibration
Noise Policy	Environmental Noise	Multimodal interactions	Measurement Methods
Standards	Architectural and urban sound propagation and planning		Microphone arrays

Each topic will be organized by international experts. Invited as well as contributed papers are very welcome. Proposals for technical sessions and workshops are welcome and should be addressed to the Technical Program Chair at [technicalchair@internoise2021.org](mailto:technicalchair@internoise2021.org)





## SPECIAL SESSIONS, 50<sup>TH</sup> ANNIVERSARY AND PLENARY & KEYNOTE LECTURES

**Theme Related Sessions:** Special emphasis will be placed on emerging areas of noise control for the next 50 years. Topics may include:

- Artificial intelligence and machine learning for noise control or background minimization for improved tele-commuting
- Acoustic metamaterials and cloaking
- Influence of high-performance and quantum computing on noise control
- Psychoacoustics and neuroscience
- UAVs and the future urban soundscape, etc.
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**Plenary and Keynote Lectures:** These will feature speakers from inside and outside the noise control community, with special focus on how emerging technologies might transform their specialties over the next 50 years.

## EXHIBITION & SPONSORSHIP

**Increase your brand visibility by becoming a SPONSOR at INTER-NOISE 2021!**

INTER-NOISE attracts a global community of noise control engineers, consultants and educators. As a sponsor, your organization's name will be prominently displayed on the Congress website and program, and during special events and receptions.

**Showcase your technology and services**

Sign up for a booth space in our exposition and display your latest technology and services in the areas of noise control, acoustics and relevant fields during the Congress. The exposition will be the focal point for the Exposition Opening Reception and coffee and refreshments during daily breaks in the schedule of technical presentations.

**50<sup>th</sup> Anniversary:** Special sessions or events will be held to mark the 50 years of progress in noise control since the first inter-noise Congress in 1972, but also to look forward and speculate on what could be achieved in the next 50 years. Materials will be prepared that celebrate the 50 years of inter-noise Congresses and the International Institute of Noise Control, provide some thoughts on successes and continuing challenges, and some speculations on how advances in technology, as well as health, societal and environmental issues will affect global noise control in the future.

**Special Pan American Symposia (one-day event):**

- Environmental noise management for planning quieter cities in developing countries
- Acoustic comfort in buildings: International reality for standardization of performance parameters

## STUDENTS/YOUNG PROFESSIONALS

- The I-INCE has allocated 20 grant awards (600 EUR each) to facilitate the travel of young professionals; for details go to: <http://i-ince.org/youngprofessionals.php>
- Noise Control Practice School is planned for young professionals on Sunday before the Congress opens
- Student volunteers to assist the technical sessions and special events

## SOCIAL PROGRAMS

- Several receptions are planned, for example after the opening and closing ceremonies
- Accompanying persons program, events and tours will be arranged
- Technical and sightseeing tours to be arranged



## REGISTRATION & HOTEL

Registration Opens | 15 December 2020

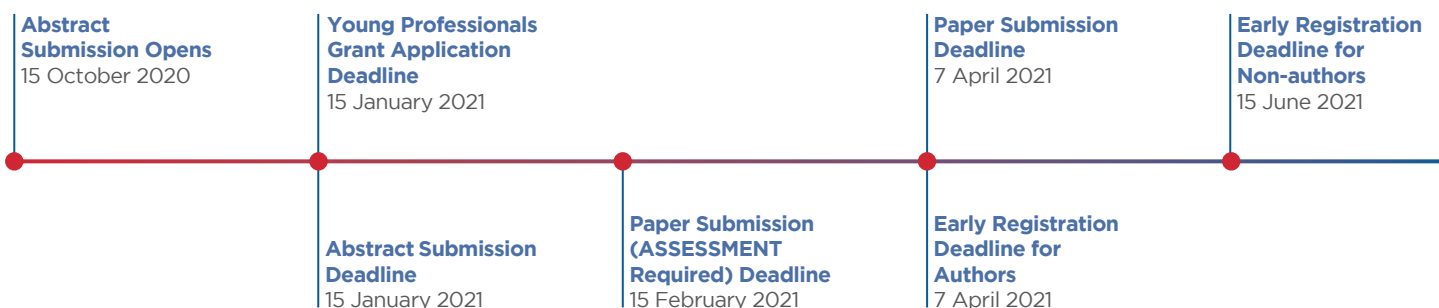
Please register through the Congress website:  
[www.internoise2021.org](http://www.internoise2021.org)

Hotel information including the cutoff date will be posted/updated on the website

## SIGN-UP

Please send an email to one of the e-addresses listed below if you are interested in signing-up for updates, sponsoring the Congress, exhibiting, helping organize technical sessions, or participating in the special sessions (including the 50th anniversary).

## KEY DATES (SEE THE CONGRESS WEBSITE FOR UPDATED DEADLINES)



## ORGANIZATION

**Congress President:** Raj Singh

**Congress Co-President:** Davi Akkerman

**Technical Program Co-Chairs:** Stuart Bolton, Julio Cordioli, Tyler Dare, Patricia Davies, David Herrin

**50th Congress Anniversary Committee:**  
Patricia Davies (chair)

**I-INCE Liaison:** Robert Bernhard (I-INCE President) and Patricia Davies (I-INCE VP for Technical Activities)

**INCE-USA Executive Director:** Joe Cuschieri

**Proceedings:** Gordon Ebbitt, Yutong 'Tony' Xue

**Exposition Manager:** Regina Young

**Sponsorship:** John Lessard

**Social Program:** John Lessard, Joe Cuschieri, Carolina Monteiro

**Young Professionals Grants and Practice School for Students:** Patricia Davies and Taha Sen

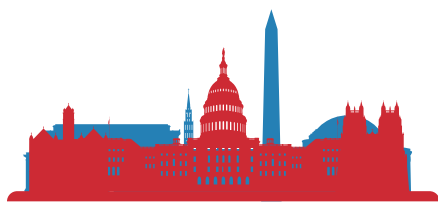
**Student Coordinator:** Micaela Lindstrom

**Congress Secretariat:** INCE-USA IBO

## INTERNATIONAL ADVISORY COMMITTEE & COOPERATIVE ORGANIZATIONS:

To be posted on the Congress website by October 2020





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## SECRETARIAT & CONTACT E-MAILS

Congress Secretariat: INCE-USA IBO,  
**[secretariat@internoise2021.org](mailto:secretariat@internoise2021.org)** or **[ibo@inceusa.org](mailto:ibo@inceusa.org)**

Congress President: **[president@internoise2021.org](mailto:president@internoise2021.org)**

Technical Program Chair: **[techprogram@internoise2021.org](mailto:techprogram@internoise2021.org)**

Sponsorship: **[expo@internoise2021.org](mailto:expo@internoise2021.org)** or **[ibo@inceince.org](mailto:ibo@inceince.org)**

Exhibition: **[expo@internoise2021.org](mailto:expo@internoise2021.org)**

Pan American Events: **[gerencia@proacustica.org.br](mailto:gerencia@proacustica.org.br)**

Secretariat Address: 11130 Sunrise Valley Drive, Suite 350, Reston,  
Virginia 20191 USA, **+1 703 234 4124 (Phone)**, **+1 703 435 4390 (Fax)**