inter.noise 2025
SAO PAULO - BRAZIL
24 • 27 AUGUST

54th International Congress &
Exposition on Noise Control Engineering

Program Book

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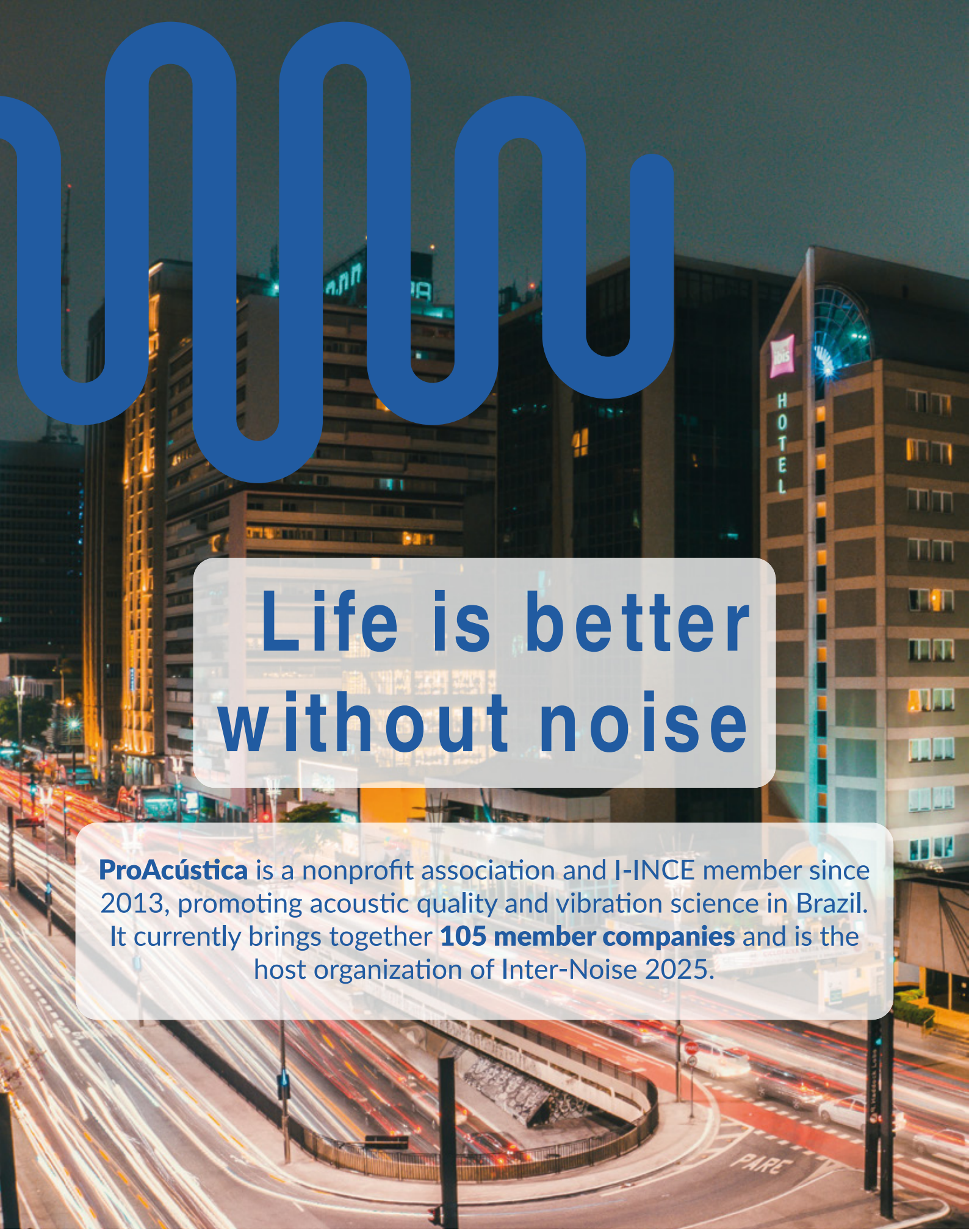
CONTENT

Welcome letters 6
Host Organization / Institutional Supports 10
Organizing Committee 12
International Advisory Committee 13
Main topic coordinators / Session chairs 14
List of volunteers 15
Sponsors Exhibitors 17
General Information 20
I-INCE activities 23
Young Professionals 25
Accompanying person program 26
Golden Hall Exhibition Area 27
Exhibitiors profiles 28
Session format 31
Plenary lecture #1 32
Plenary lecture #2 33
Plenary lecture #3 34
Plenary lecture #4 35
Plenary lecture #5 36
Plenary lecture #6 37
Program at a glance 38
Technical sessions 41



Life is better without noise

ProAcústica is a nonprofit association and I-INCE member since 2013, promoting acoustic quality and vibration science in Brazil. It currently brings together **105 member companies** and is the host organization of Inter-Noise 2025.

Pro Acústica
Brazilian Association for Acoustical Quality
proacustica.org.br

PUBLICAÇÕES TÉCNICAS ProAcústica

INAD[SP] mapa de ruído urbano

InterLab ProAcústica

QualiLab ProAcústica

INAD BR

@associacaoproacustica

Program book of the 54th International Congress and Exposition on Noise Control Engineering, 24-27 August 2025, São Paulo, Brasil.

Editor:
Brazilian Association for Acoustical Quality
Av. Ibirapuera, 3458, Indianópolis, São Paulo, SP, Brazil

Welcome

Dear Colleagues,

It is with great enthusiasm that we welcome you to the 54th edition of the Inter-Noise Congress, taking place this year in the vibrating city of São Paulo.

Since its foundation, Inter-Noise has served as a key forum for global experts in noise and vibration control to come together and share the most recent developments in the field.

Thanks to the outstanding dedication of our scientific community, this year's technical program is particularly impressive. More than 420 papers will be presented across 52 technical sessions, covering every dimension of noise and vibration control.

The industrial exhibition is another highlight of the 2025 Congress, featuring almost 40 exhibitors. Notably, 06 of these will be hosting dedicated workshops, offering valuable insights and demonstrations.

Our goal this year is to foster meaningful interaction among participants. To that end, we've integrated discussion opportunities into the session schedule, alongside hybrid poster presentations and online sessions, all aimed at encouraging dynamic exchanges.

In addition to the scientific program, we invite all participants to take part in the social events carefully planned to enrich your experience at the congress. These moments of conviviality are ideal opportunities to connect with colleagues in a more informal setting. A special highlight will be the technical visit to the renowned Sala São Paulo, one of the most prestigious concert halls in Latin America, celebrated for its exceptional acoustics and architectural elegance. This unique experience will provide valuable insights into the intersection of acoustical engineering and cultural heritage.

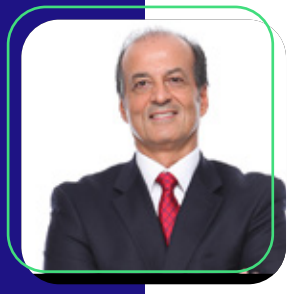
We extend our sincere appreciation to our sponsors for their vital support and contribution to this event's success. We also wish to recognize the tireless efforts of the Organizing Committee, its partners, and all volunteers, who have worked diligently to create an exceptional experience for all attendees.

Finally, we invite every participant—whether student, researcher, engineer, or professional in the field—to make this more than just a scientific meeting. Let's turn Inter-Noise 2025 into a memorable human and social gathering that will leave a lasting impact on our discipline's future.

Thank you, and enjoy the Congress!

DAVI AKKERMAN
Congress President

PATRICIA DAVIES
Congress co-President



LUCIANO NAKAD MARCOLINO
Congress Secretariat

Welcome

Dear Colleagues,

On behalf of the International Institute of Noise Control Engineering (I-INCE), I welcome you to INTER-NOISE 2025, the 54th edition of the successful series of international congresses hold all over the world since 1972.

After just more than twenty years, we are again in Brazil. In the year 2005 Rio de Janeiro and now in 2025 the attractive and most populated city of South America, São Paulo, will host our large and live community of noise control technicians and scientists.

From Sunday to Wednesday oral and poster presentations, plenary and keynote lectures, a large exhibition, meetings, professional programs and, finally, social activities, will accompanying us.

For sure we will all enjoy and remember INTER-NOISE 2025 and the atmosphere of the city that will host it. Thank you for supporting with your participation in the congress.

A special thank you to the Organizing Committee, the Brazilian Association for Acoustical Quality (ProAcústica) for the great efforts in the organization and for bringing us this excellent program rich of excellent moments.

LUIGI MAFFEI
President,
International
Institute of Noise
Control Engineering

Welcome

Dear Colleagues,

On behalf of ProAcústica, I would like to welcome you to the 54th edition of the INTER-NOISE series of international congresses.

First held in Rio de Janeiro in 2005, this prestigious international conference is returning to Brazil 20 years later, this time to São Paulo — Brazil's largest city — to bring together the academic and professional community in the field of noise and vibration control for an enjoyable technical gathering.

In an increasingly connected world, face-to-face meetings are becoming even more important due to the richness of personal encounters between the academic and professional communities in a place that encourages the exchange of ideas, knowledge, and culture.

We would like to thank you all for participating in Internoise 2025. We would also like to congratulate all the staff at ProAcústica who worked tirelessly to make this event unique and unforgettable. Our sincere gratitude goes to SOBRAC (BR) and I-INCE (USA) for their ongoing support.

MARCOS HOLTZ
President,
Brazilian
Association for
Acoustical Quality


B”H
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Miss Koh - Acoustic Project: Audium - Photo: Let's Go

HOST ORGANIZATION

ProAcústica

Brazilian Association for Acoustical Quality (ProAcústica) – a Member Society of I-INCE since 2013 – is a nonprofit civil entity with the purpose of congregating companies and professionals looking to develop Applied Acoustic in Brazil, a field that also covers the Science of Vibrations. The ProAcústica Association was born from the initiative of companies and professionals that identified the opportunity to disclose to all of society the importance of acoustic quality in buildings and the environment, as a factor of well-being and public health. Nowadays ProAcústica has 83 companies as members.

INSTITUTIONAL SUPPORTS

I-INCE

The International Institute of Noise Control Engineering (I-INCE) was founded in 1974. It is a worldwide consortium of organizations concerned with noise control, acoustics and vibration. The primary focus of the Institute is on unwanted sounds and on vibrations producing such sounds when transduced.

I-INCE is the only organization that has a worldwide coverage of the issue of noise control technology. It has the ability to identify global noise control issues, discuss them on a global scale and communicate its findings with nearly all nations in the world. In the present connected world this might be a unique position that brings opportunities but also responsibilities.

SOBRAC

The Brazilian Society of Acoustics (SOBRAC) is a non-profit civil association founded on November 21, 1984. It brings together individuals (researchers, professionals, professors, and students) as well as public and private institutions (industries, service providers, research centers, universities, government agencies, and others) interested in areas related to acoustics, sound, and vibration.

SOBRAC
Sociedade Brasileira de Acústica

BRAZILIAN SOCIETY OF ACOUSTICS

Is a non-profit civil association, founded on November 21, 1984.

For over 40 years, it brings together individuals—such as researchers, professionals, professors, and students—as well as public and private institutions, including industries, service providers, research centers, universities, and government agencies, all with a common interest in the fields of acoustics, sound, and vibrations.

It is a member of the International Institute of Noise Control Engineering (I-INCE) and is currently supporting Inter-Noise 2025.

SOBRAC 40 ANOS

@sobrac_acustica

www.acustica.org.br

ORGANIZING COMMITTEE

Congress President
Davi Akkerman

Congress Co-President
Patricia Davies

Congress Secretariat
Luciano Nakad Marcolino

Treasurer
Alberto Safra

Technical Program
Carolina Monteiro
Júlio Cordiolli

Proceedings Editor
William Fonseca

Exhibition and Sponsorship
Candida Maciel

Exhibition and Technical Advisor
José Augusto Nepomuceno

Communication
Luiz Henrique Ferreira
Ariane Barbim

Social Events
Juan Frias
Regiane Wozniak

Early Careers
Bruno Masiero

Volunteers manager
Raquel Rossato

ProAcústica Support
Grace Jeong

ProAcústica Liaison
Marcos Holtz

INTERNATIONAL ADVISORY COMMITTEE

Europe-Africa:
Luigi Maffei, Antonio di Bela, Antonio Pedrero, Barry Gibbs, Brigit Rasmussen, Jorge Patricio, Kristian Jambrošić.

Pan American:
Joe Cushieri, Jorge P. Arenas, Krisdany Cavalcanti, Nilda Vechiatti, Rajendra Singh, Robert J. Bernhard, Michael Vorlander.

Asia-Pacific:
Marion Burgess, Michael Kingan, Jin Yong Jeon, Li Cheng, Darren Jurevicius, John Davy.

MAIN TOPIC COORDINATORS

Vibration & Acoustical Engineering Science:
Prof. Bruno Masiero and Prof. Andrey R. da Silva

Industrial & Transportation Applications:
Talita Pozzer

Material, Architectural & Environmental Applications:
Marcos Holtz and José Augusto Nepomuceno

Human Factors:
Prof. Stephan Paul and Margret Engel

Multi-disciplinary Approaches:
Prof. William D'Andrea Fonseca

SESSION CHAIRS

Andrey R. da Silva
Antonio Torija
Arthur Santos
Barry Gibbs
Bruno Masiero
Camila Teixeira
Carolina Monteiro
Chiara Scrosatti
Christine Huth
Chuck Kardous
Dong Yang
Douglas Manvell
Dr. Bhaven N. Tandel
Ed Brambley
Emeline Sadoulet-Reboul
Eric Brandão
Francesco Avallone
Iara Cunha
Jeong Ho
Jorge arenas
José Augusto Nepomuceno
Juan Frias
Julio Cordioli
Júlio Gaspar
Kerstin Persson Waye
Laurent Maxit
Leo Fuks
Lygia Niemeyer
Magret Engel
Marcel Borin
Marcos Holtz
Maria Fernanda de Oliveira
Maria Luiza de Ulhoa Carvalho
Mariana Shimote
Marselle Barbo
Massimo Garai
Michael Klein
Michael Vorländer
Naoaki Shinohara
Olavo Silva
Paulo Mareze
Paulo Massarani
Rafael Gerges
Rafael Heissler
Rafael Telloli
Rafaella Rocha
Ranny Michalski
Ricardo de Medeiros
Ricardo Musafir
Roalt Aalmoes
Roberto Arruda
Rodolfo Venegas
Sebastian Ghinet
Semiha Yılmazer
Sonia Alves
Stephan Paul
Sun Zhaoyong
Tércio Pereira
Thiago Lobato
Ulf Sandberg
Umberto Berardi
Vitor Almeida
Wailing Dong
William D'Andrea Fonseca
Xiaozhen Sheng
Yatsze Choy
Zachery L'Italien
Zemar M Soares

LIST OF VOLUNTEERS

Camila Amorim Pereira
Fadi Yousef Ibrahim Yousef
Gustavo Francisco Diegues
Gustavo Odilon Araujo Netto
Jéssica Oliveira Alves
João Vitor Silva Pontalti
Jóshua Paiva Matos Cordeiro
Júlia Bianchi Magaldi
Julia Zanella Noronha
Karina Porto Monteiro Mühlhofer
Lucas Bogaz De Angelo
Luiz Ramirez Bezerra Sena
Marília Bezerra Amorim
Matheus Machado Fiuza
Miguel Oliva
Milena Jonas Bem
Mireley Júnia de Lima Iwamoto
Moisés dos Santos Canabarro
Nara Gabriela de Mesquita Peixoto
Pedro Paulo Calmon Paes
Stella Rosane da Silva Oliveira
Tainá Munford Moraes
Victor Kiyomi Estevam
Willy Simas Pimenta
Yan Caproni Pereira

KNAUF

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The Organizing Committee would like to thank all the partners who are associated with the Conference, and who are making the Inter-Noise 2025 exhibition a particularly successful event.

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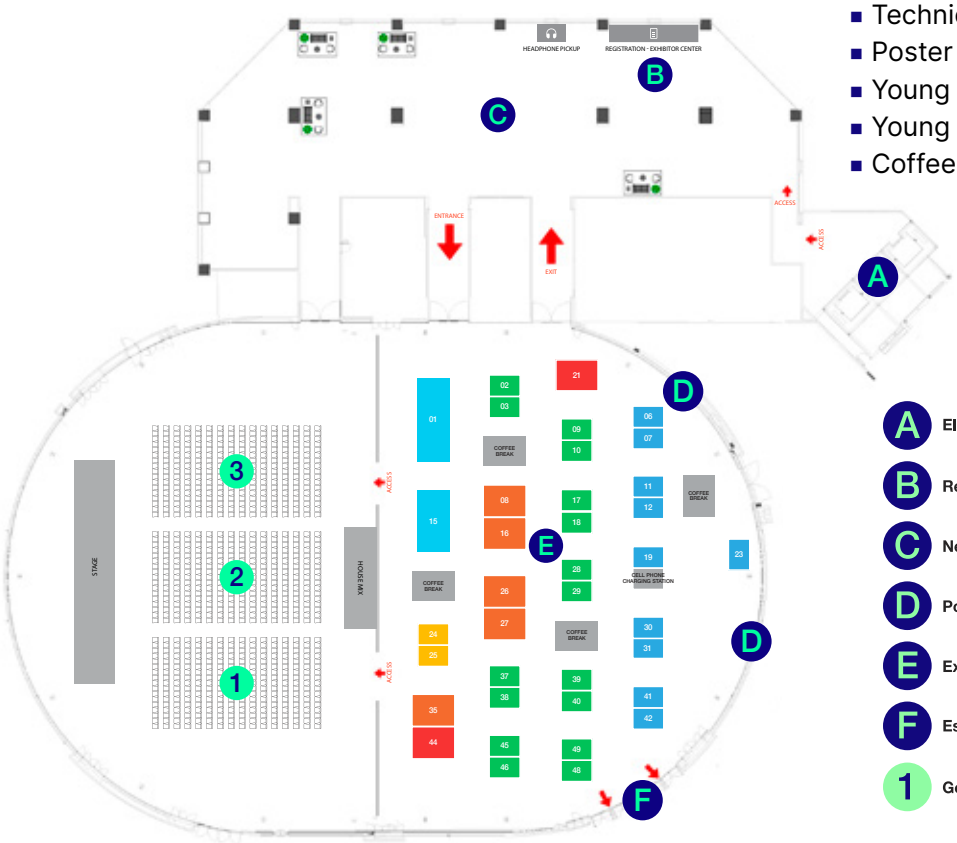
- NORSONIC
- NTI AUDIO
- ODEON
- SEVEN BEL
- VIBRANIHIL
- VIBTECH
- ZXONIC TECHNOLOGY INC.

See the Exhibitors map at pages 27 of the Program Book.

5th floor (Golden Hall)

- Registration Desk
- Exhibition Area
- Opening Ceremony and Reception
- Closing Ceremony and Reception
- Plenary Sessions
- Technical Rooms
- Poster Sessions
- Young Professionals Travel Awards Ceremony
- Young Professionals Workshop
- Coffee breaks



A Elevator access to 5th, 3rd and ground floor

B Registration / CAEX (Exhibitor Center)

C Networking lounge

D Poster and online Session 1-5

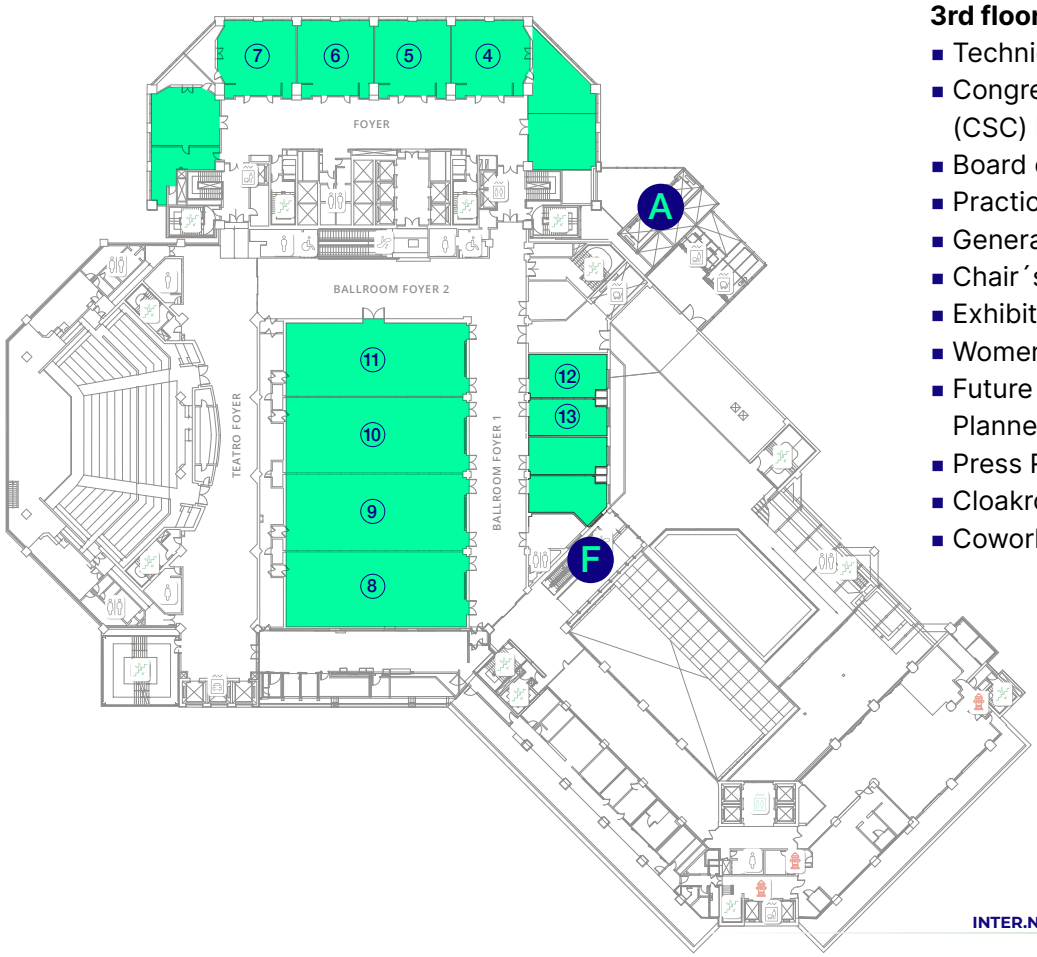
E Exhibition

F Escalator access to 5th and 3rd floor

1 Golden Hall 1 **2** Golden Hall 2 **3** Golden Hall 3

3rd floor

- Technical Rooms
- Congress Selection Committee (CSC) Meeting
- Board of Directors (BoD) Meeting
- Practice of Noise Control School
- General Assembly (GA) Meeting
- Chair´s Reception
- Exhibitor Workshop
- Women in Noise Control Lunch
- Future Congress Technical Planners (FCTP)
- Press Room
- Cloakroom
- Coworking



GENERAL INFORMATION

OPENING HOURS

Registration Desk (5th floor - Golden Hall)

- Sunday, August 24: 12:00 - 18:00
- Monday, August 25: 08:00 - 18:00
- Tuesday, August 26: 08:00 - 18:00
- Wednesday, August 27: 08:00 - 14:00

Exhibition Area (5th floor - Golden Hall)

- Sunday, August 24: 16:00 – 20:00
- Monday, August 25: 09:00 - 18:00
- Tuesday, August 26: 09:00 - 18:00
- Wednesday, August 27: 09:00 - 14:20

Cloakroom (3rd floor – Room 12 – Salvador R37)

Drop off your luggage and clothes at the free cloakroom:

- Sunday, August 24: 12:00 - 18:00
- Monday, August 25: 08:00 - 18:00
- Tuesday, August 26: 08:00 - 18:00
- Wednesday, August 27: 08:00 - 14:00

Coworking (3rd floor – Room 13 – Salvador R38)

A room will be provided for all participants who need a quiet space for meetings.

- Sunday, August 24: 12:00 - 18:00
- Monday, August 25: 08:00 - 18:00
- Tuesday, August 26: 08:00 - 18:00
- Wednesday, August 27: 08:00 - 14:00

SOCIAL PROGRAM

Opening Plenary

Venue: WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Date: Sunday, August 24
Time: 16:00 - 17:00

Opening Ceremony

Venue: WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Date: Sunday, August 24
Time: 17:00 - 18:00

Opening Reception

Venue: WTC Events Center, 5th floor, Golden Hall Exhibition Area
Date: Sunday, August 24
Time: 18:00 - 19:00

Chair's reception

By invitation only
Venue: WTC Events Center, 3rd floor, Room 8, Ballroom 1
Date: Sunday, August 24
Time: 19:00 - 20:00

Congress Social Event

Registration required
Venue: Iulia Jockey Clube
Date: Tuesday, August 26
Time: 19:00 - 23:00

Closing Ceremony

Venue: WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Date: Wednesday, August 27
Time: 12:40 - 13:20

Closing Reception by Inter-Noise 2026

Venue: WTC Events Center, 5th floor, Golden Hall Exhibition Area
Date: Wednesday, August 27
Time: 13:20 - 14:20

OTHER EVENTS

Women in noise control lunch

This event is open to all women, whether students or professionals. It is an opportunity for women in noise control engineering to get together, network and discuss the development and challenges of women in noise control, in the convivial environment of a lunch. The participation is free. Please tick this event in your registration options in your personal IN25 account so that we know you are coming.
Venue: WTC Events Center, 3rd floor, Room 9, Ballroom 2
Date: Tuesday, August 26
Time: 13:20 - 14:20

CATERING

Coffee break

Coffee breaks are held in the mornings (between 11:00 and 11:40) and afternoons (between 16:00 and 16:40) on August 25 and 26 and in the morning of August 27 (between 10:00 and 10:40) according to the technical session schedule, in the Golden Hall Exhibition Area, in the "catering buffet" areas (see map at pages 19).

Lunch break

Lunch intervals are scheduled from 13:00 to 14:20, on August 25 and 26. WTC Events Center is part of Shopping D&D and Shopping Nações Unidas Complex. With several restaurant options for different tastes and investment profiles, most of them offer discounts for event participants.

Food constraints

Vegetarian dishes are available for coffee breaks and cocktails. In case of food allergy, please contact the catering staff and consult the allergen notice boards.

Drinking water points

Several drinking water points are located throughout the venue. Remember to bring your bottle for a more sustainable event. For optimum waste management, no water bottles are handed out.

TECHNICAL VISIT

Venue: Sala São Paulo Concert Hall
Date: Wednesday, August 27
Time: 15:30 - 18:00
Tour departure from WTC Events Center. Pre-registration is required from the IN25 account.
Maximum number of visitors: 100 people.
Information available on the IN 2025 website.

EMERGENCY CALL

In case of emergency, contact a member of the organization or call 190 (free emergency number).

I-INCE ACTIVITIES

Congress Selection Committee (CSC)

The purpose of the committee is to provide guidance in the selection of venues for future INTERNOISE Congresses.
By invitation only
Venue: WTC Events Center, 3rd floor, Room 16, Santos 1 R28
Date: Saturday, August 23
Time: 09:00 - 11:30

Congress Selection Committee (CSC) and Board of Directors (BoD) lunch

Venue: WTC Events Center, 3rd floor, Room 16, Santos 1 R28
Date: Saturday, August 23
Time: 11:30 - 13:00

Board of Directors (BoD) meeting – 1st part

By invitation only
Venue: WTC Events Center, 3rd floor, Room 16, Santos 1 R28
Date: Saturday, August 23
Time: 13:00 - 18:00

Future Congress Technical Planners (FCTP) Committee - Technical Program Planning (TPP)

The FCTP may offer advice on all aspects of a congress including the maximum number of parallel sessions, the type of Structured Sessions, the need for Poster Sessions, etc. The FCTP may recommend new concepts for future INTERNOISE Congresses. The concepts may involve items that are specific to a particular congress and which depend upon local circumstances and local ideas. The TPP meeting is an informal meeting wherein the minutes of the previous FCTP meeting are discussed, and the technical plans for the next congress are explained.
By invitation only
Venue: WTC Events Center, 3rd floor, Room 9, Ballroom 2
Date: Sunday, August 24
Time: 08:00 - 10:00

I-INCE School Practice of Noise Control

By invitation only
Venue: WTC Events Center, 3rd floor, Room 9, Ballroom 2
Date: Sunday, August 24
Time: 10:00 - 13:30

General Assembly

The I-INCE General Assembly will be attended by Corresponding members (representatives) of Member Societies of I-INCE and by Members of the Board of Directors of I-INCE. Representatives of Sustaining Members, Institutional Members, Affiliated Organizations, and other organizations in liaison with I-INCE and any member of a Member Society of I-INCE may attend the meeting of the General Assembly without vote.
Venue: WTC Events Center, 3rd floor, Room 8, Ballroom 1
Date: Sunday, August 24
Time: 13:00 - 15:30

Full Future Congress Technical Planners (FCTP) Committee

The full FCTP meeting discusses the technical plan for the next two congresses and the experience of the congress that is just ending. Attendance at FCTP meetings is open to all attendees of an INTERNOISE Congress.
Venue: WTC Events Center, 3rd floor, Room 16, Santos 1 R28
Date: Wednesday, August 27
Time: 14:30 - 15:30

Board of Directors (BoD) meeting – 2nd part

By invitation only
Venue: WTC Events Center, 3rd floor, Room 16, Santos 1 R28
Date: Wednesday, August 27
Time: 16:00 - 18:00

YOUNG PROFESSIONALS

Young and early career acousticians can be either undergraduate or postgraduate students, postdoctoral, or young acousticians or noise control engineers working in industry.

YP Travel Awards Ceremony

In 2010, IINCE initiated a grant program for noise control engineering students and young professionals who were within the first ten years of their careers. The goals of the grant is to expose students and young acousticians to senior professionals, give them experience in public presentation and paper writing, and assist them in the development of networking abilities. This grant enabled these young professionals and students to attend the INTERNOISE Congress and network with senior engineers.

People: By invitation only
Venue: WTC Events Center (5th floor, Room 1-2, Golden Hall 1-2)
Date: Monday, August 25
Time: 15:20 - 16:00

YP Workshop

People: By invitation only
Venue: WTC Events Center (5th floor, Room 1, Golden Hall 1)
Date: Monday, August 25
Time: 16:20 - 17:20

YP Awardees Reception + Jam Session

On Monday night, August 25, the global acoustics community is invited to gather at Tatu Bola Bar in São Paulo for the much-loved and always unforgettable YP Awardees Reception + Jam Session!
It's your chance to unwind, connect, and enjoy a fun, musical night with colleagues and new friends from around the world. Think: cold draft beer, tropical caipirinhas in jars, delicious bar bites like arancini, carpaccio, bean soup, and the rhythm of live music filling the air.
Whether you want to perform or just cheer from the crowd, the vibe will be electric. This is not just an event — it's a celebration of our shared passion for sound, creativity and community.

Venue: Tatu Bola Bar Berrini
Date: Monday, August 25
Time: 19:00 - 23:00

ACCOMPANYING PERSON PROGRAM

Opening Ceremony

Venue: WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Date: Sunday, August 24
Time: 17:00 - 18:00

Opening Reception

Venue: WTC Events Center, 5th floor, Golden Hall Exhibition Area
Date: Sunday, August 24
Time: 18:00 - 19:00

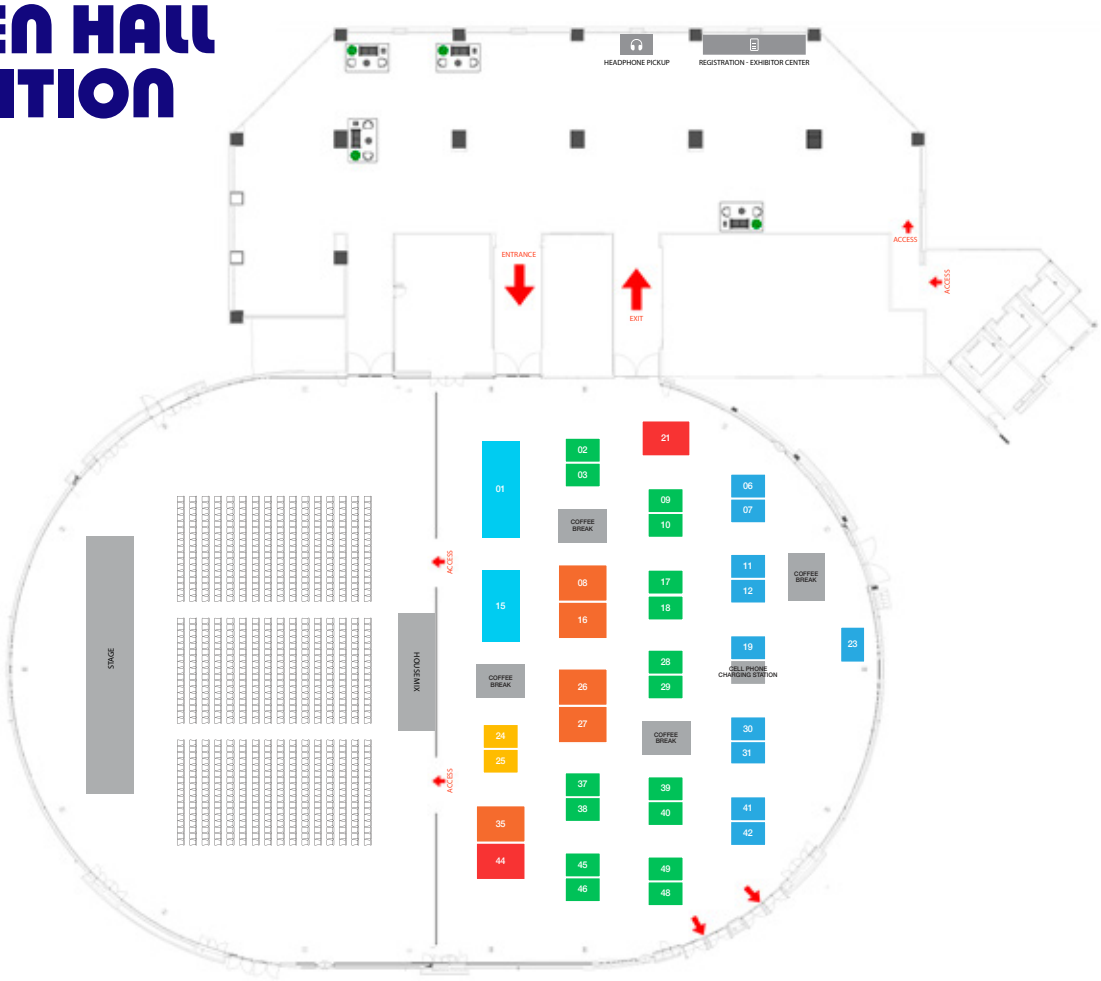
Closing Ceremony

Venue: WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Date: Wednesday, August 27
Time: 12:40 - 13:20

Closing Reception by Inter-Noise 2026

Venue: WTC Events Center, 5th floor, Golden Hall Exhibition Area
Date: Wednesday, August 27
Time: 13:20 - 14:20

GOLDEN HALL EXHIBITION AREA



DIAMOND
01 - SAINT GOBAIN - ECOPHON
15 - TRISOFT

PLATINUM
08 - GETZNER
16 - CRYSOUND
26 - KNAUF
35 - VEESCOM - DECOTRADING

GOLD
24 - ACOEM
25 - AMBI ACÚSTICA

SILVER
02 - ATENUA SOM
03 - SCALA ACÚSTICA
27 - GROM
09 - MASON
10 - SILENTIUM
17 - KR3 LAUDOS TÉCNICOS
18 - GERB
28 - DIARCO
29 - ARKFLEX
37 - AUBICON
38 - ZETA LAB
39 - OTERPREM
40 - 3R
45 - SENOR
46 - TÉCNICA ACÚSTICA
48 - MTS BRASIL

EXHIBITOR
06 - EVERISOL
07 - NORSONIC
11 - ODEON
12 - MULLER
19 - VIBTECH
23 - HBK BRASIL
30 - SEVEN BEL
31 - VIBRANIHIL
41 - BEDROCK AUDIO BV
42 - NTI AUDIO
49 - ZXONIC TECHNOLOGY INC.

INSTITUTIONAL
21: PROACÚSTICA
44: IN2026 AUSTRALIA

Exhibitor workshops

During the Industrial Sessions scheduled just after the keynote session on Monday, August 25 and Tuesday, August 26, exhibitors will offer 40minute workshops within dedicated time slots outside the scientific sessions. They are free to all congress delegates, and to OneDay Exhibition Visitors on their day of booking. Registration of participants to the workshops will be available by logging in to their online IN25 personal account. Subject to availability.

Venue: see IN25 app and website
Date: Monday, August 25,
15:20 - 16:00
Date: Tuesday, August 26,
15:20 - 16:00

EXHIBITIORS PROFILES

ECOPHON

Ecophon, a Saint-Gobain brand, specializes in acoustic solutions that enhance comfort and functionality in indoor environments. With a global presence — business units in 20 countries and representation in over 30 more — Ecophon strikes the perfect balance between technical performance and aesthetic quality, offering a acoustic portfolio of ceiling, clouds, baffles and wall panels. These solutions are crafted using a variety of raw materials, textures, shapes and colors, adapting to the visual and creative needs of each project while incorporating advanced acoustic technology. With Ecophon solutions, every space becomes a unique sensory experience where acoustic comfort fosters well-being, communication, focus, and productivity. Less noise, more possibilities.

TRISOFT – SOLUÇÕES ACÚSTICAS COM SUSTENTABILIDADE

With over 60 years of history, Trisoft is a market leader in the production of customized acoustic, decorative, and thermal panels developed to meet the specific needs of each project.
Committed to sustainability since its inception, the company has already transformed more than 6 billion PET bottles into intelligent solutions for the comfort and well-being of people and environments. Its entire product line is made from recycled PET fiber, reflecting its environmental responsibility in every detail.
Trisoft's products are recyclable, self-extinguishing, non-toxic, hypoallergenic, and easy to install. They combine aesthetics, technical performance, and ecological awareness, serving a wide range of markets — from corporate to residential sectors.
The company also offers its own reverse logistics system, which closes the sustainable cycle and reinforces its commitment to circular innovation.
www.trisoft.com.br | @trisoftoficial

GETZNER

As a technology leader in the field of vibration isolation and noise protection, Getzner is committed to improving quality of life for everyone.
This mission drives the company to continuously explore new paths and develop innovative solutions.
Since 1969, the Austrian company Getzner has been developing polyurethane (PUR)-based solutions to dampen unwanted vibrations and noise.
Drawing on decades of experience, Getzner now serves customers around the world.
The company's in-house developed and manufactured products are used in the railway, construction, and industrial sectors.
In addition to its materials, Getzner offers a comprehensive range of services – from calculations and measurements to the installation of complete vibration protection systems.
Thanks to Getzner's solutions, trains run more quietly, machines operate more efficiently, and people enjoy greater peace and quiet in their homes.

EXHIBITIORS PROFILES

CRYSOUND

For nearly three decades, CRYSOUND has delivered cutting-edge acoustic measurement solutions. It operates five major product lines: Transducers, Acoustic Imaging, Noise Testing, Electroacoustic Testing and Data Acquisition. CRYSOUND serves 10,000+ customers across 80+ countries, including industry leaders like Microsoft, Intel, Samsung, HP, Dell, Beats, Saudi Aramco, ExxonMobil, and Chevron.
At Inter-Noise 2025, CRYSOUND presents:
SonoDAQ: Next-generation sound & vibration DAQ with AI built-in. Modular design expandable to 1000+ channels.
OpenTest: Revolutionary sound & vibration software with openness, AI, and broad multi-brand DAQ compatibility.
SonoCam Pi: Replaceable microphone array, near-field holography, far-field beamforming, and precise SPL.
CRY8125: Intrinsically safe acoustic imaging camera, TÜV-certified for IECEx and ATEX.
NVH Microphone: IP67, operating temperature -40°C to 125°C, shock-resistant, for all acoustic NVH testing.

KNAUF DO BRASIL LTDA.

Knauf is a German multinational company, a world leader in dry construction solutions, with over 90 years of history. Present in Brazil for 28 years, it offers innovative drywall systems, ceilings, linings, coatings, facades, and acoustic solutions, meeting the highest standards of quality and sustainability. With factories in Queimados, Rio de Janeiro, and Camaçari, Bahia, four training centers (SP, RJ, BH, and BA), and a broad distribution network, Knauf contributes to residential, commercial, and industrial projects throughout the country. Committed to innovation and the environment, the company promotes energy efficiency and waste reduction, establishing itself as a reliable partner in the transformation of the construction industry.
Learn more: www.knauf.com

DECO TRADING: INOVAÇÃO EM ACÚSTICA PARA PROFISSIONAIS EXIGENTES

Deco Trading is at the forefront of acoustic solutions, offering curtains that meet the rigorous demands of architects and acoustic specialists. Our acoustic transparencies are designed to optimize environments, featuring an average sound absorption coefficient of alpha W of 0.80, proven by reverberation chamber tests in accordance with EN ISO 354.
Besides excellent acoustic performance, safety is paramount. All our materials are 100% fire-retardant polyester, with their effectiveness certified by technical reports. They reduce reverberation time, absorb sound, and improve speech intelligibility.
Discover the perfect fusion of design, safety, and acoustic engineering with Deco Trading.
Visit us at:
decotrading.com.br

EXHIBITIORS PROFILES

ACOEM

Acoem's noise and vibration monitoring equipment has become the choice of acoustics professionals worldwide to protect businesses, ensure regulatory compliance, and safeguard populations that might otherwise be adversely affected by noise pollution and excessive vibration levels. We design, manufacture, install, and maintain a range of noise and vibration monitoring sensors, measurement tools, and integrated data solutions. Our noise and vibration technology empowers environmental consultants, airports, and industries to:

- Comply with government regulations
- Protect businesses, workers, and the environment
- Improve the quality of life in communities
- Preserve culturally and historically significant sites • Make decisions based on accurate data

AMBI SOLUÇÕES ACÚSTICAS

AMBI Acoustic Solutions is a company dedicated to creating and providing solutions for noise control and acoustic comfort. We work on corporate, commercial, and industrial projects, offering high-performance materials with elegant design, such as acoustic panels, ceilings, and custom coverings. Our commitment is to combine technology, aesthetics, and functionality to make environments more pleasant and productive. With a specialized technical team and consultative support, AMBI assists architects, engineers, and acoustic consultants at every stage of the project, ensuring high-quality results and compliance with technical standards. Beyond products, we deliver purposeful acoustic experiences.

SESSION FORMAT

Format of in-person oral sessions

- An in-person oral session brings together at least 4 papers belonging to the topic of the session and is led by Chairpersons, helped by a volunteer for logistical issues. Each paper corresponds to a 20-minute time slot including 15 minutes of presentation followed by 3 minutes for questions/discussion and 2 minutes for speaker change.
- All 15-minute talks are recorded so that they can be viewed on the congress app and website up to one month after the end of the congress (see paragraph «Congress app & website» below). Recordings only include the dynamic screen capture and synchronised speaker's voice over the 15 minutes of presentation. The 3 minutes of questions/discussion are not recorded.
- Presenting authors are asked to arrive 20 minutes before the start of the session to announce themselves to the Session Chair and check the technical aspects of their presentation with the Session Volunteer.
- Sessions containing a large number of papers may be interrupted by coffee or lunch breaks. As far as possible, 20-minute time slots for session discussion will be included in the program in order to facilitate scientific exchanges. Session discussions are animated by the session Chairpersons.

Onsite-ePoster and Online Pre-Recorded Sessions

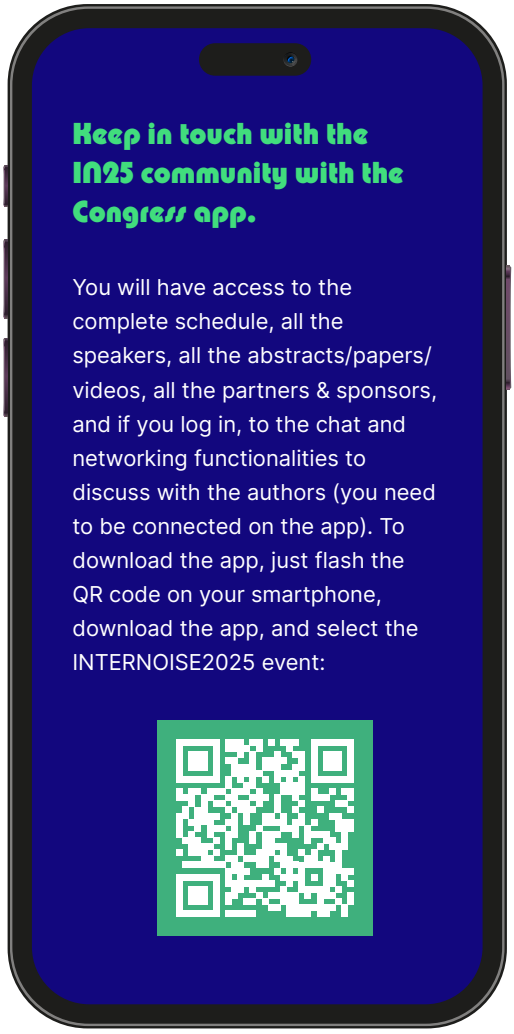
- For the 2025 edition we will not have the traditional paper poster format. Instead, we will be implementing ePosters, a fully digital format that enhances visibility during the sessions.
- Authors will be required to prepare a digital file, which will be displayed on screens during the dedicated ePoster sessions. This format eliminates the need for printing physical posters, making the process more convenient, cost-effective, and environmentally friendly.
- Each poster session brings together ~10 papers and a few on-line contributions, both belonging to the same technical field, is driven by a Session Chairperson and consists of 2 phases:

1. The pitch phase

- Series of flash presentations: each author presents in 2 minutes max the context, objectives and major technical elements of his/her paper.
- For the authors, the aim of the pitch is to encourage the audience to go and see the poster during the discussion phase in the session.

2. The discussion phase (1h – around the ePosters)

- It is a time for more detailed presentations by the authors of their poster and in-depth discussions
- Full pre-recorded presentations from on-line authors are viewable on the congress website and app at any time.



If you want to consult the program from your browser, visit:
www.internoise2025.org

PLENARY & KEYNOTE LECTURES

PLENARY LECTURE #1

WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Sunday, August 24 | 16:00 - 17:00

Noise and vibration challenges through the physics-enhanced machine learning iens

DR. ALICE CICIRELLO
Assistant Professor in Applied Mechanics
Cambridge University Engineering Department

Dr Alice Cicirello is a University Assistant Professor in Applied Mechanics at the Cambridge University Engineering Department and a Fellow of Churchill College. She is the founder and head of the Data, Vibration and Uncertainty group (https://sites.google.com/view/dvugroup). Alice is currently an Alexander von Humboldt Experienced Research Fellow (2023- present), and Executive board member of the European Association of Structural Dynamics. Alice was the chair of the first (2022), second (2023) and third (2024) workshops on Physics-enhancing Machine Learning in Applied Mechanics.

Alice obtained her PhD from the University of Cambridge in 2013. She was a Marie Curie Early Stage Researcher (2009-2012) and a Research Associate (2012-2014) at the same institution. Alice worked as a Senior Research Scientist at SLB (2014-2017) and returned to academia as a Lecturer at the University of Oxford (Engineering Science Department and Balliol College, 2017-2019), and then continued as an Associate Professor and Section Head at TU Delft (2020-2023).

Alice is serving in the Editorial boards of Data-Centric Engineering, Nonlinear Dynamics, Advances in Engineering Software, ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, and ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, and has served in the scientific committee and organising committee of several international workshops and conferences.

Alice held visiting positions at several research institutions, including MIT, the Alan Turing Institute and the University of Oxford. Recently, Alice has delivered keynote speeches at the AI UK 2024 fringe event workshop Latest Developments in Physics-Informed Machine Learning', Imperial College London and at the 11th European Nonlinear Dynamics Conference (ENOC 24).

PLENARY & KEYNOTE LECTURES

KEYNOTE LECTURE #2

WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Monday, August 25 | 09:00 - 10:00

Measure for measure: getting meaningful numbers in building acoustic

CHIARA SCROSATI
Head
Acoustics Laboratory
of CNR-ITC

Chiara Scrosati is a researcher at the Construction Technologies Institute (ITC) of the National Research Council of Italy (CNR), in Milan. She is currently the Head of the Acoustics Laboratory of CNR-ITC. Her research is principally focused on sound insulation of buildings and building elements; on the measurement uncertainty in building acoustics and on the uncertainty of the low frequency extension; on sound absorption and, in particular, on reverberation room measurements.

She has gained extensive experience in measuring the acoustic performance of building elements in the CNR-ITC accredited laboratory as well as on-site. She has participated in European and national projects on building acoustics as researcher or group coordinator. Since 2008, she has been actively involved in the mitigation of airport noise through the study and design of interventions on residential buildings in collaboration with SACBO (Orio al Serio International Airport Company).

She is Convenor of UNI/CT002/SC01 “Building Acoustics” committee of UNI, the Italian National Standardization Body. She is project leader of the revision of ISO 16283-3 and project leader of the revision of ISO 354. In 2022, she was awarded by UNI with the Paolo Scolari Prize, in recognition of the role played in the development of technical standards. She is currently a member of the board of directors of the Italian Acoustics Association (AIA) and Vice President for Communications & Webmaster of the International Institute of Noise Control Engineering (I-INCE).

PLENARY & KEYNOTE LECTURES

KEYNOTE LECTURE #3

WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Monday, August 25 | 14:20 - 15:20

Slow waves for noise and vibration control

Dr. Li Cheng is currently Chair Professor, Director of the Consortium for Sound and Vibration Research (CSVR) and Associate Dean (Research) of the Faculty of Engineering at the Hong Kong Polytechnic University (PolyU). After obtaining his Ph.D. degree from the Institut National des Sciences Appliquées de Lyon (INSA-Lyon, France), he became a faculty member at Laval University (Canada) in 1992, rising to the rank of Full Professor before joining Hong Kong PolyU in 2000. He was formerly the Head of the Department of Mechanical Engineering. He currently serves as Deputy Editor-in-Chief of the Journal of Sound and Vibration, Associate Editor of the Journal of the Acoustical Society of America, Associate Editor of Structural Health Monitoring: An International Journal and Topical Associate Editor of Nonlinear Dynamics. Dr. Cheng is a Fellow of the Academy of Sciences of the Royal Society of Canada, a Fellow of the Canadian Academy of Engineering, a Distinguished Fellow of the International Institute of Acoustics and Vibration, and a Fellow of five other societies. He is a past President of the Hong Kong Society of Theoretical and Applied Mechanics. He is currently the President-Elect of the International Institute of Noise Control Engineering (I-INCE).

LI CHENG (成利)
Chair Professor,
Department of
Mechanical Engineering
Hong Kong Polytechnic
University (PolyU)

PLENARY & KEYNOTE LECTURES

KEYNOTE LECTURE #4

WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Tuesday, August 26 | 09:00 - 10:00

Vibro-acoustics modeling of lightweight structures with attached noise control materials

Noureddine Atalla is a professor of Mechanical Engineering at Université de Sherbrooke. His core expertise is in computational vibro-acoustics and acoustic materials. He has authored over 200 papers in acoustics and vibration, encompassing a wide range of domains. His research includes the modeling of poroelastic and viscoelastic materials, the study of coupled fluid-structure problems, the investigation of the acoustic and dynamic response of sandwich and composite structures, as well as computational vibroacoustics. In addition to his scholarly articles, he has co-authored a book on the propagation of sound in media and another book on finite and boundary elements in structural acoustics and vibrations.

NOUREDDINE ATALLA
Professor of Mechanical Engineering
Université de Sherbrooke

PLENARY & KEYNOTE LECTURES

KEYNOTE LECTURE #5

WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Tuesday, August 26 | 14:20 - 15:20

The sound(ness) of data: from audio separation to ecosystem monitoring with data-driven machine learning

DR. BRUNO MASIERO
Assistant Professor
School of Electrical and Computing Engineering (FEEC) at the University of Campinas (Unicamp)

Dr. Bruno Masiero is an Assistant Professor at the School of Electrical and Computing Engineering (FEEC) at the University of Campinas (Unicamp) whose work bridges the technical precision of electrical engineering with the creative world of sound. With expertise spanning binaural hearing, spatial audio reproduction, and machine learning applications for acoustic analysis, Dr. Masiero brings a distinctive approach to audio technology. After earning his PhD from RWTH Aachen University in Germany, he has led research in acoustic imaging, spatial audio reproduction, and the development of audiological evaluation tools. His recent pioneering work applies machine learning techniques to predict biodiversity collapse through acoustic monitoring—demonstrating how audio engineering can address urgent environmental challenges.

NILESH MADHU
Head of Audio & Signal Processing, Interpretation and Enhancement (ASPIRE@IDLab) at the Ghent University

Nilesh Madhu heads the Audio & Signal Processing, Interpretation and Enhancement (ASPIRE@IDLab) group at Ghent University and imec, Belgium. His research interests include machine learning approaches for signal detection and enhancement, automated audio scene analysis and tagging, and automatic audio quality evaluation.
Key to the group's research philosophy is leveraging signal processing expertise within data-driven, deep-learning-based approaches, to develop practical solutions for a wide range of applications. These range from communications to healthcare and automation.
Prof. Madhu was granted his Dr.-Ing. degree (summa cum laude) from the Ruhr-Universität Bochum in 2009, for his research on algorithms for acoustic source localisation and separation. Following this he was awarded a Marie-Curie fellowship for a two-year postdoctoral stay at the KU Leuven, Belgium, where he contributed to the fields of hearing prostheses and biomedical signal analysis. During his industry tenure at NXP Semiconductors, Belgium, he held the positions of principal scientist and resident genius (unfortunately, not an official designation). There, he and his team developed cutting-edge algorithms for audio and speech enhancement in mobile devices.
He believes passion for signal processing and a good balance between academic rigour and industry insights are key factors to successfully dealing with complex engineering challenges.

PLENARY LECTURE #6

WTC Events Center, 5th floor, Room 1-3, Golden Hall 1-3
Wednesday, August 27 | 11:40 - 12:40

On the noise of electric aircrafts: from drones to electric airplanes

Prof. Julio A. Cordioli graduated in Mechanical Engineering from Federal University of Santa Catarina (UFSC), Brazil, in 2000 and received his PhD in 2006 also from UFSC, with part of his PhD research developed at the University of Cambridge, UK. He has previously worked for EMBRAER (Brazil) on the design of noise control treatments for aircrafts, and for the ESI Group (USA), as an acoustic scientist on the development of vibroacoustic numerical methods. Since 2011, he has been an Associate Professor at the Mechanical Engineering Department, UFSC. His main research interests include: numerical methods in vibro-acoustics, aircrafts interior and exterior noise, aeroacoustics and vibration monitoring.

PROF. JULIO A. CORDIOLI
Associate Professor
Mechanical Engineering
Department, UFSC

PROGRAM AT A GLANCE

SUNDAY. AUGUST 24

Registration Desk
12:00 PM - 6:00 PM

General Assembly (GA) meeting
8 - Ballroom 1

Industrial Exhibition - Golden Hall

Plenary Alice Cicirello
Golden Hall 1-3

Opening Ceremony
Golden Hall 1-3

Welcome/Opening Reception
Golden Hall

Chair's reception
8 - Ballroom 1

MONDAY. AUGUST 25

GOLDEN HALL	1 - GOLDEN HALL	2 - GOLDEN HALL	3 - GOLDEN HALL	4 - SÃO PAULO (R29)	5 - SÃO PAULO (R30)	6 - SÃO PAULO (R31)	7 - SÃO PAULO (R32)	8 - BALLROOM 1	9 - BALLROOM 2	10 - BALLROOM 3	11 - BALLROOM 4	GOLDEN HALL POSTER AREA
08:00												
09:00	Registration Desk - 8:00 AM - 6:00 PM											
09:20	**Keynote Chiara Scrosati** Golden Hall 1-3											
09:40												
10:00	P1	3.0	2.0	15.0	4.0 + 4.1	5.0	7.2	8.1	9.0	11.0	14.3	
10:20												
10:40												P1
11:00												
11:20	11.4	3.0	2.0	15.0	4.0 + 4.1	5.0	7.0	8.1	9.0	11.0	13.1	
11:40												
12:00												IN25 Soundwalk
12:20	**Lunch Break**											
12:40												
13:00												
13:20	**Keynote Li CHENG** Golden Hall 1-3											
13:40												
14:00												
14:20	YP Travel Awards Ceremony	P2	15.0	1.0 + 1.1			7.1	8.0	Exhibitor workshops			
14:40												
15:00												
15:20	YP Workshop	3.1	2.2	15.1	1.0 + 1.1	5.2	7.1	8.0	10.0	11.1		P2
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19:20	**Jam Session** Tatu Bola Berrini											
19:40												
22:40												
23:00												

Industrial Exhibition - Golden Hall

The program above may have changed slightly since the program was diagrammed. Please consult the online information (web and mobile application) and the latest version of the full program on the website, for up to date information.

PROGRAM AT A GLANCE

TUESDAY. AUGUST 26

	GOLDEN HALL	1 - GOLDEN HALL	2 - GOLDEN HALL	3 - GOLDEN HALL	4 - SÃO PAULO (R29)	5 - SÃO PAULO (R30)	6 - SÃO PAULO (R31)	7 - SÃO PAULO (R32)	8 - BALLROOM 1	9 - BALLROOM 2	10 - BALLROOM 3	11 - BALLROOM 4	GOLDEN HALL POSTER AREA
08:00	Registration Desk - 8:00 AM - 6:00 PM												
09:00	Industrial Exhibition - Golden Hall	Keynote Noureddine Atalla Golden Hall 1-3											
09:20		P3	15.1	14.2	2.3	1.4	19.0	12.0	11.0	11.2	11.6	6.0	
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11:40													
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13:00		Lunch Break								Women in noise control lunch	Lunch Break		
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14:20		Keynote Bruno Masiero and Nilesh Madhu Golden Hall 1-3											
14:40		P4		11.7		14.0	11.3	11.6	11.0	Exhibitor workshops			
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16:20													
16:40		17.0	18.0	11.7	2.1	14.1	11.4	11.5	3.3	13.0	12.0	5.1	P4
17:00													
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18:20		Congress shuttle for the social event											
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19:00													
19:20		Congress Social Event Iulia Jockey Club											
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22:40													
23:00													

program above may have changed slightly since the program was diagrammed.
se consult the online information (web and mobile application) and the latest
on of the full program on the website, for up to date information.

PROGRAM AT A GLANCE

WEDNESDAY. AUGUST 27

GOLDEN HALL	1 - GOLDEN HALL	2 - GOLDEN HALL	3 - GOLDEN HALL	4 - SÃO PAULO (R29)	5 - SÃO PAULO (R30)	6 - SÃO PAULO (R31)	7 - SÃO PAULO (R32)	8 - BALLROOM 1	9 - BALLROOM 2	10 - BALLROOM 3	11 - BALLROOM 4	GOLDEN HALL POSTER AREA
Registration Desk - 8:00 AM - 2:00 PM												
Industrial Exhibition - Golden Hall	P5	11.0		6.1				7.2	15.2	1.3	16.0	P5
	13.0	11.0	11.1 + 11.2	6.1	3.2			7.2	15.3	1.2	16.0	
	Plenary Julio A. Cordioli Golden Hall 1-3											
	Closing Ceremony Golden Hall											
	Closing Reception Golden Hall											
	Sala São Paulo Concert Hall Technical Tour											

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rogram above may have changed slightly since the program was diagrammed.
e consult the online information (web and mobile application) and the latest
on of the full program on the website, for up to date information.

TECHNICAL SESSIONS

1. Vibration & acoustical engineering science

1.0. Physical Acoustics & Elastic Waves: General
1.2. Sound Interaction with Natural Media
1.3. Elastic & mechanical Metamaterials: Waves and Dynamics
1.4. Acoustic Metamaterials & Phononic Materials
2.0. Measurement Methods: General
2.1. Microphone Array Techniques
2.2. Measurement Instrumentation
2.3. Measurement Methods for Smart Cities and Noise Monitoring
3.0. Modeling & Simulation Techniques: General
3.1 Computational Methods & AI in Vibro-Acoustics”
3.2. Data-driven and Machine Learning Methods for Modeling and Design in Acoustics & Vibration
3.3. Acoustic Design using Optimization Methods
4.0 - Vibro-Acoustics: Theory, Numerical Methods & Experiments
4.1 - Advanced Vibro-Acoustic Control
5.0 - Aero- & Thermo-Acoustics: Fundamentals & Control Strategies
5.1. Rotor & Turbomachinery Noise
5.2. Duct Aero-acoustics: Propagation and Noise Reduction in Industrial and Academical Problems
6.0. Active Systems for Noise & Vibration Control: General
6.1.Advanced Active Control: Algorithms, Applications & Smart Metamaterial

2. Industrial & transportation applications

7.0. Aircraft Noise
7.1. Airport Noise
7.2. Urban Air Mobility Noise
8.0. Ground Transportation and Industrial Noise: Detection, Mitigation and Modelling
8.1. Acoustics of Vehicles, Tires and Pavements
9.0 Flow-induced Noise & Vibrations: General
10.0 Propeller noise: General

3. Material, architectural & environmental applications

11.0 Building Acoustics: General
11.1. Requirements, Classification Schemes & Standards in Building Acoustics
11.2 Measurement and Prediction of Airborne, facade and Impact Sound Insulation
11.3. Measurement and Prediction of Sound Absorption in Reverberation Rooms
11.4. Addressing Noise and Vibration Problems in Buildings
11.5. Acoustics of Education Spaces and workspaces
11.6. Computational Tools for Room Acoustics Prediction
11.7. Acoustics of Performing Arts Spaces and Recording Studios
12.0. Outdoor Sound Propagation: General
12.1. Urban Sound Propagation
13.0. Materials & Passive Treatments: General
13.1. Measurements and Characterization Methods for Acoustical Materials

4. Human Factors

14.0. Community Noise & Health: General
14.1. Occupational Noise and Health
14.2. Noise and Health
14.3. Noise and Health in Children
14.4. Occupational noise control in African industries – Current and future perspectives
15.0. Soundscape: General
15.1 Soundscapes in Built Environments
15.2. Psychological and Physiological Evaluation in Soundscape Studies
15.3. Soundscape Policies and Standards
16.0. Perceptual Evaluation of Sounds and Product Noise: General
16.1. Perception and Sound Design for Electric Vehicles

5. Multi-disciplinary approaches

17.0. Noise & Impacts on Biodiversity: General
18.0. Art, Music & Science: General
19.0. Education & Popularization: General
20.0. Non Auditory Effects of Noise Exposure on Communication and Performance
20.1. Special Topics

Detailed session schedule

SEE ONLINE INFORMATION

Please consult the online information (web and mobile application) or the latest version of the detailed program on the website, for up to date information.

55TH INTERNATIONAL CONGRESS & EXPOSITION ON NOISE CONTROL ENGINEERING

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