inter.noise

55th International Congress and Exposition on

Noise Control Engineering

CONGRESS AND EXPOSITION INFORMATION

9-12 August 2026

Adelaide Convention Centre, South Australia

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CITY OF ADELAIDE

ADELAIDE CONVENTION CENTRE

WELCOME TO ADELAIDE!

Adelaide Convention Centre is proud to support the **2026 INTER-NOISE Congress** and welcomes delegates to Adelaide, South Australia.

Ranked one of the world's safest, green and most liveable cities, Adelaide is a vibrant and innovative destination known for its delicious food and wine, pristine beaches, and thriving arts, culture and festival scene

Conveniently located in the heart of the city, Adelaide Convention Centre puts people and experiences at the centre of business events. From sustainable practices to nutritionally balanced culinary creations, there's plenty to discover and enjoy in **Adelaide, Australia's Convention City.**

Scan the QR code or visit **adelaidecc.com.au/discover** to explore **Adelaide, Australia's convention city.**

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PADOVA - VENICE MAINLAND
22-25 AUGUST **2027**

Organised by the
Acoustical Society of Italy (AIA)
in cooperation with the
Acoustical Society of Croatia (HAD)

Dates:
22–25 August 2027

Location:
Padova, Venice Mainland, Italy

Venue:
Padova Congress Centre

• *The Congress Theme*

"From the Noises of the Past to the Sounds of the Future"

The theme of the 56th International Congress reflects the rapidly evolving paradigm of acoustics in modern society. Moving beyond traditional engineering approaches focused solely on noise mitigation, INTER-NOISE 2027 explores how sound can be intentionally designed, managed, and integrated as an essential contributor to global environmental sustainability and human quality of life.

• *Technical Program: Traditional Core & New Horizons*

INTER-NOISE 2027 offers a comprehensive matrix of scientific exchange. The technical sessions will seamlessly blend foundational core topics with trailblazing research fields to provide an unparalleled view of acoustics engineering today, spanning from computational modelling and structural dynamics to emerging areas such as urban soundscapes, bioacoustics, and product sound quality.

• *An Innovative Venue, an Enhanced Exhibition Hub*

Hosted at the modern Padova Congress Centre designed by Kengo Kuma, this world-class facility spans over 5,400 m² with a capacity for 3,300+ delegates. Strategically located in the city center, it features a harmoniously integrated exhibition space designed to foster B2B networking and allow attendees to experience cutting-edge noise control technologies and instrumentation firsthand.

• *Educational Initiatives & Satellite Events*

Summer School (26–27 August)

"Where theory meets practice" — A dedicated program immediately following the congress for doctoral students and early-career professionals, combining elite academic training with deep industrial insights.

Satellite Event (26 August)

The specialized Symposium "Noise Control and Good Practices in Recreational and Tourist Settings", addressing transport and commercial noise management, will be held in the prestigious setting of Venice.

• *Shape the Future of Acoustics with Us*

Join global experts, researchers, and leading industry figures in Padova. Experience a unique fusion of scientific excellence, industrial innovation, and rich Italian culture.

Discover more & plan your participation:
www.internoise2027.org

i-ince International Institute of Noise Control Engineering

AIA Associazione Italiana di Acustica

Hrvatsko akustičko društvo
HAD
Acoustical Society of Croatia

The Acoustical Society of New Zealand

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REGISTRATIONS ARE OPEN!

Welcome

On behalf of the Australian Acoustical Society (AAS) and the International Institute of Noise Control Engineering (I-INCE), it is our great pleasure to welcome you to INTER-NOISE 2026 in Adelaide, Australia.

The AAS has a proud history of hosting world-class international acoustical meetings and this 55th iteration of INTER-NOISE represents the 3rd time the Congress has ventured '*Down Under*'. This year we take you to the remarkable state of South Australia, where the fitting Congress theme, "*From the outback to the ocean*," reflects the breadth of topics to be covered, from core issues in noise and vibration control to applications and challenges that are characteristic of remote areas. The program will feature oral and poster presentations, keynote and plenary addresses by leading researchers, and provide ample opportunity for thoughtful discussion with peers, catching up with old colleagues and meeting your next collaborator. Moreover, the inclusion of the Western Pacific Commission for Acoustics (Wespac) aligned Societies brings a unique opportunity to experience the full range, diversity and technological advancement of the Asia Pacific region.

In addition to the technical sessions, the Congress will include a technology-packed exhibition featuring 50 exhibitors displaying the latest technology from Australia and internationally, site visits to regionally relevant facilities, and a range of networking opportunities, including a welcome function, conference dinner, sessions supporting Women in Acoustics and early-career professionals as well as a fantastic accompanying persons tour.

Located just west of Adelaide's city centre and alongside the River Torrens, the Adelaide Convention Centre offers a convenient and state-of-the-art setting for our meeting. Well positioned within the city's Entertainment Precinct, with the Adelaide Oval at its heart, it is within walking distance of the university precinct, the city centre and a wide range of accommodation. Adelaide is laid out in a straightforward grid, making it easy to navigate, with free public transport (including buses and trams) operating within the CBD. As the capital of South Australia, Adelaide sits between the Adelaide Hills and the coastline and is known for its cultural diversity, progressive history, and accessible scale. If you have the opportunity to stay a little longer, you are also encouraged to venture a little further afield to the internationally recognised food and wine areas and a wide variety of wildlife and natural landscapes, from arid inland environments to coastal settings that make South Australia so unique.

We thank all our sponsors and those involved in organising this special event and are sure you will enjoy the whole package that is INTER-NOISE 2026 Adelaide!

Yours in acoustics

Darren Jurevicius
Congress President

Benjamin Halkon
Technical Program Chair

It is my great pleasure and privilege, as the new President of the International Institute of Noise Control Engineering (I-INCE), to extend my sincerest welcome to all delegates, researchers, industry professionals, and students attending INTER-NOISE 2026 in Adelaide, Australia.

Founded in 1974, I-INCE is the preeminent global umbrella organization for noise and vibration control engineering. It unites national acoustical societies, academic institutions, and industrial experts worldwide, committed to advancing scientific research, engineering innovation, and public awareness of noise abatement and vibration mitigation. As the flagship annual conference of I-INCE, INTER-NOISE has long served as the most influential international platform for knowledge exchange, technical collaboration, and interdisciplinary communication in the field of acoustics and noise control.

This congress spans a broad spectrum of topics related to noise and vibration control. Most notably, emerging technologies have unlocked unprecedented opportunities for our discipline. Artificial intelligence, big data and digital simulation are poised to revolutionize noise and vibration analysis, bringing efficient predictive modelling and intelligent control capabilities. Even so, we must carefully manage the interplay between digital models and physical reality. Balancing digital innovation with physical validation and interpretation is critical. I am delighted that many of these vital issues will be debated extensively throughout the event.

Hosted in the vibrant city of Adelaide, INTER-NOISE 2026 gathers leading scholars and practitioners across the globe to share cutting-edge findings, discuss industrial challenges, and explore future development trends. This year's comprehensive technical program covers diverse and forward-looking topics, offering exceptional opportunities for academic dialogue and global cooperation.

I would like to express my heartfelt gratitude to the local organizing committee, authors, reviewers, exhibitors and all supporters for their tremendous efforts in delivering this outstanding conference. I hope all participants gain inspiring insights, build valuable professional connections, and enjoy a rewarding and memorable experience in Adelaide.

Welcome once again to INTER-NOISE 2026!

Li Cheng
I-INCE President

Dear Colleagues,
On behalf of the Australian Acoustical Society, it is my pleasure to welcome you to INTER-NOISE 2026 in Adelaide.

I acknowledge the Kaurna people, the Traditional Custodians of the Adelaide Plains on which we meet, and pay my respects to their Elders past and present.

This is the third time the Congress has come to Australia, and hosting it is always a real privilege for our Society. A great many of our members have given their time to bring you here, and I thank them for their dedication and hard work.

Welcoming the international acoustics community to home soil and to our state of South Australia is an honour.

Enjoy and learn from the many technical sessions provided by your peers. Take time to network with your international community, make new connections, and have fun!

Adelaide is an easy city to enjoy. It is simple to get around and the people are friendly. If you can stay on a few extra days, there are many things to enjoy including our world-class restaurants and small bar scene, internationally renowned wine regions, our beautiful coast, and our native animals.

My thanks to the organising committee, our sponsors, and to I-INCE for their continued support. Welcome all to Adelaide, Australia and I hope you have a fulfilling and enjoyable congress, immersing yourself in everything the Congress and our state have to offer!

Deb James
AAS President

Contents

Host Organisations

Australian Acoustical Society

The Australian Acoustical Society (AAS) is the peak technical society for individuals working in acoustics in Australia. It was formed in 1964 and was later incorporated in 1971 as a public company. Divisions are active in all Australian States.

The aim of the Society is “to promote and advance the science and practice of acoustics in all its branches to the wider community and provide support to acousticians”.

Its diverse membership is made up from academia, consultancies, industry, equipment manufacturers and retailers, and all levels of Government. The Society supports research and provides regular forums for those who practice or study acoustics across a wide range of fields including:

Architectural Acoustics – Environmental Noise – Marine Acoustics – Engineering Noise Control – Occupational Noise Management – Physiology of Hearing – Audiology Studies – Musical Acoustics

The Society also publishes Acoustics Australia, Australia’s only technical journal devoted entirely to issues related to sound, noise and vibration. It also works with national and international standards and policy-setting bodies, such as Standards Australia.

Visit the AAS website at:
www.acoustics.org.au

International Institute of Noise Control Engineering

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 sponsor of the INTER-NOISE Series of International Congresses on Noise Control Engineering held annually in leading cities of the world. I-INCE also co-sponsors symposia on specialized topics within the I-INCE field of interest.

The quarterly magazine Noise/News International is jointly published by I-INCE and the Institute of Noise Control Engineering of the USA (INCE/USA). I-INCE instituted a program to undertake technical initiatives on critically-important issues of international concern within the I-INCE field of interest. This initiative has resulted in several reports and a number of active Technical Study Groups.

Visit the I-INCE website at:
www.i-ince.org

Wespac

The Western Pacific Commission for Acoustics was formed in 1982 with the aim to promote communication and stimulate development and interactions in all aspects of acoustics in the region including the organisation of conferences. WESPAC is the umbrella collective representing 13 relevant societies across 10 countries in the Asia and Western Pacific area including:

Australian Acoustical Society

Acoustical Society of China

Hong Kong Institute of Acoustics

Acoustical Society of India

Acoustical Society of Japan

Acoustical Society of Korea

The Institute of Noise Control Engineering of Japan

Korean Society for Noise and Vibration Engineering

Acoustical Society of New Zealand

Russian Acoustical Society

Society of Acoustics, Singapore

Environment Engineering Society of Singapore

Association of Acoustics and Vibration, Indonesia

Observer countries: Malaysia

Visit the Wespac website at:
www.acoustics.org.au/about/wespac/

Organisational Information

Organising Committee

Congress President:	Darren Jurevicius
Technical Program Chair:	Benjamin Halkon
Deputy Technical Chair:	Will Robertson
Congress Treasurer:	Simon Moore
Exposition Director:	Jeff Parnell
Exposition Secretary:	Julie Sobolewski
Young Professional Support:	Darren Jurevicius
International Liaison:	Marion Burgess
Congress Governance:	Darren Jurevicius, Benjamin Halkon, Marion Burgess Jeff Parnell
Marketing Committee:	Alex Lee Jenna MacDonald
Technical Tours:	Jenna MacDonald Jon Cooper
South Australian AAS Chair:	Greg Barry
Local Committee Manager:	Deb James
Social Committee:	Jenna MacDonald Eleanor Tan
Accompanying Persons:	Greg Barry, Alex Lee
Congress Secretariat:	All Occasions Group

International Advisory Committee

Europe – Africa
Kristian Jambrošić (Croatia),
Adrien Pelat (France),
Ercan Altinsoy (Germany),
Eoin A. King (Ireland),
Luigi Maffei (Italy),
Kerstin Persson Waye (Sweden)

Pan America
Jorge P. Arenas (Chile),
Roberto Arruda (Brazil),
Joe Cushieri (USA),
Rajendra Singh (USA),
Carolina Monterio (Brazil),
Patricia Davies (USA),
Tyler Dare (USA)

Asia - Pacific
Jin Yong Jeon (South Korea),
Michael Kingan (New Zealand),
Danielle Moreau (Australia),
Hiroyuki Imaizumi (Japan),
Jun Yang (China),
Krittika Lertsawat (Thailand),
Venu Pallayil (Singapore),
Chan Hoon Haan (Korea),
Toru Otsuru (Japan),
Li Cheng (Hong Kong).

Bibliographic Information

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Subtitle:	Proceedings of the 55th International Congress & Exposition on Noise Control Engineering
Format:	Online
Publication date:	August 2026
ISBN:	978-0-909882-13-6
Edited by:	Benjamin Halkon and Will Robinson

Information for higher education research data collection (HERDC)

The HERDC is the annual collection of statistics from Australian universities about research output and income. The Department of Industry, Innovation, Science, Research and Tertiary Education currently collect this information. The following information is provided for authors intending to claim their research publications as part of HERDC.

Title of conference publication: Inter-Noise 2026. Proceedings of the 55th International Congress & Exposition on Noise Control Engineering.

Name of conference:	Inter-Noise 2026 Adelaide, Australia
Publisher:	AAS South Australian Division
Publication format:	Online
Editors:	Benjamin Halkon, Will Robinson
Location of conference:	Adelaide, SA

General Information

Getting to the Adelaide Convention Centre

If you're flying from interstate or overseas, Adelaide Airport is located just seven kilometres from the city centre, so enjoy the convenience of arriving at your hotel minutes after you leave the airport. A taxi to the city costs around AUD $30 inclusive of the airport fee. Various ride share services operate in Adelaide including all the major options and a range of niche local operators with costs from AUD $18 - $30 depending on demand. A dedicated pickup location is provided and is signposted. See the SA Government website for links to all registered operators:

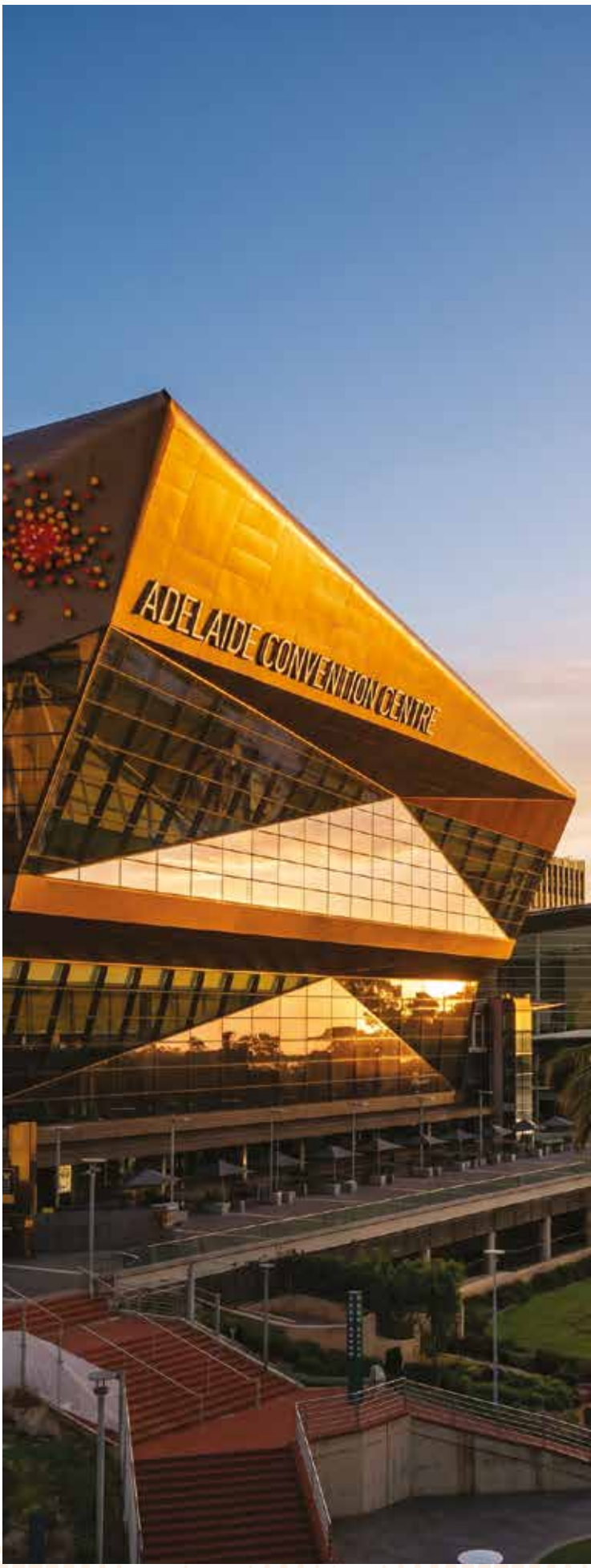
www.sa.gov.au/topics/driving-and-transport/industry-services/taxi-and-passenger-transport/passenger-services

A bus service also operates between the airport and CBD and costs between $4.55 during peak travel time and $2.60 during off peak and takes approximately 25 – 35 minutes. Catch the J1, J2 and JX buses to the Currie St (Stop C1) and walk 5-8 minutes to the ACC.
See *www.adelaidemetro.com.au* for more details.

As a walkable city, you have little need for transportation once you've arrived – all destinations can be reached easily on-foot, or take advantage of Adelaide's extensive public transport network, including free tram travel within the city centre,with the closest tram stop conveniently located a two-minute walk from the Adelaide Convention Centre, in front of the historic Adelaide Railway Station.

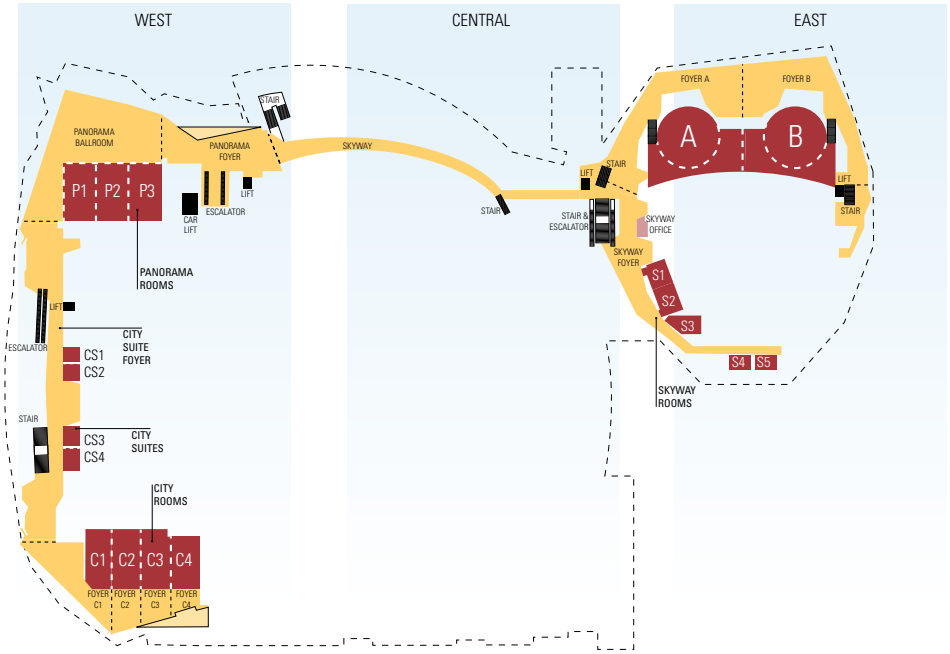
Venue map

The Registration Desk is located in Foyer F of the Adelaide Convention Centre on the Ground Level. Congress rooms are spread across the Upper and Lower levels with the Exposition located in Halls F/G on the Ground level. The Opening Ceremony will be held in the Halls C/D on the Ground level.

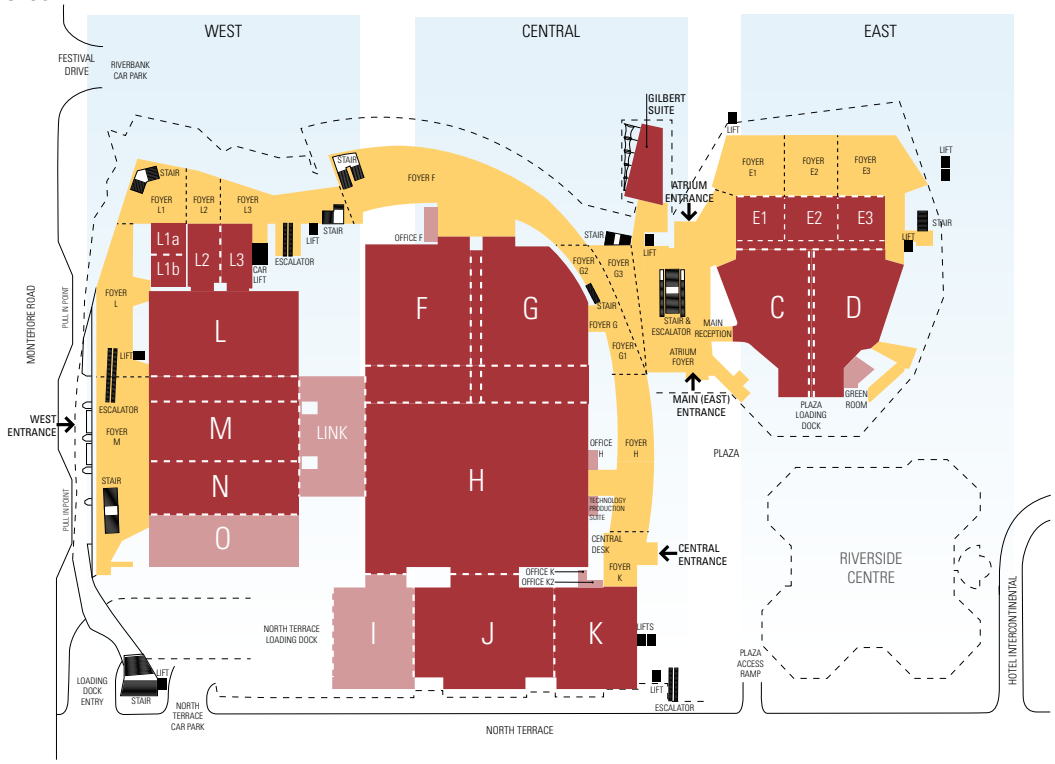


The Adelaide Convention Centre (ACC)

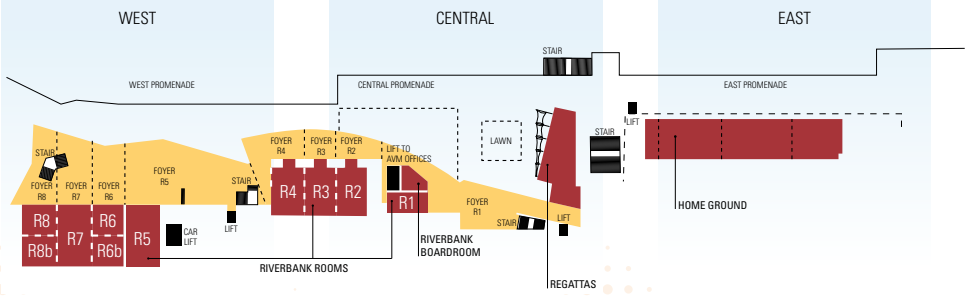
UPPER LEVEL



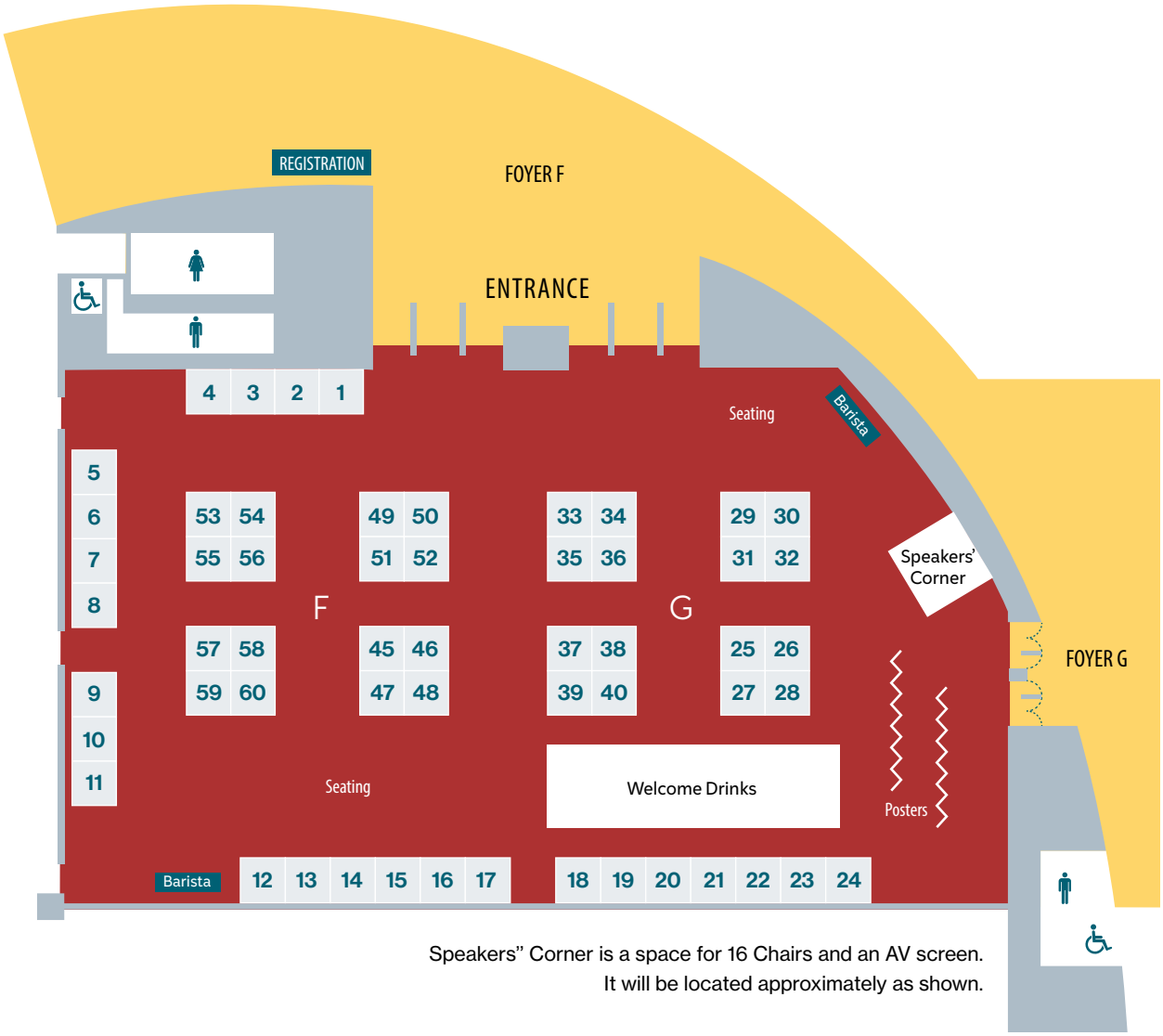
GROUND LEVEL



LOWER LEVEL



Internoise 2026 Trade Exhibition Floorplan



Speakers" Corner is a space for 16 Chairs and an AV screen.
It will be located approximately as shown.

Bedrock Elite	1
CRYSOUND	2
Control Hire	3
Savtek	4
Pliteq	5
CSR Building Products Limited	6
ONO SOKKI CO., LTD.	7
ZXONIC	8
Sigicom	9
Vanguard Technologies	10
Embelton	11
Acoustech (Flexshield)	12
acoust IQ	13
RenzoTonin	14
Magnetite	15
Regupol	16
Sitehive	17
Marshall Day	18, 19
NTi Audio AG (Ambertech)	20
Cirrus Research PLC	21
Resonate Systems Pty Ltd	22
Demcon Sound Solutions B.V.	23
SPRINGER	24
Soundblock	25
Rion and Norsonic (ARL)	26
AIA INTER-NOISE 2027	27
AAS	28
Hushtec	29
Odeon	30
ETMC	31
IAC Acoustics	32
Mason Mercer	33, 34
NVMS	35
DMdB	36
Batten & Cradle	37
Pyrotek	38
Autex	39, 40
Acoustic Blinds & Curtains	45
Soundmask Global Pty Ltd	46
Getzner Werkstoffe	47, 48
Acu-Vib (SVANTEK)	49, 50
Damping Technologies INC.	51
Jiangsu Pivot	52
John Morris Group	53
ACOEM	54
Bestech Australia Pty Ltd	55
BSWA	56
SoundCam Australia (PWNA)	57
Asona	58
HWT	59, 60

Registration and Information

The Registration Desk in Foyer F/G will act as an information/enquiries desk throughout the Congress should you require assistance at any time. It will be staffed by All Occasions Group staff who are easily identifiable. People identified as Organising Committee on their name badge and volunteers wearing INTER-NOISE 2026 T-shirts will also be able to answer any enquiries.

The Registration Desk will be open during the following times:

Sunday	9 August	12:00 - 18:00
Monday	10 August	06:30 - 18:00
Tuesday	11 August	07:00 - 18:00
Wednesday	12 August	08:30 - 17:00

Catering

Morning tea, lunch and afternoon tea will be available during the Congress in the Exposition area located in the Halls F/G and is included in the registration fee. Please refer to the table below for catering times but note that Technical Program parallel sessions have starts and finishes that are staggered across the catering time window to aid efficient service.

	Monday	Tuesday	Wednesday
Morning Tea	10:00 - 11:00	10:00 - 11:00	09:40 - 10:40
Lunch	12:00 - 13:00	12:00 - 13:00	12:00 - 13:00
Afternoon Tea	15:00 - 16:00	15:20 - 16:20	

Dietary Requirements

For those delegates with dietary requirements, please ensure that you have listed those with your registration. Your selected options will be available at the scheduled breaks where all food will be labelled accordingly. If you have not notified of any specific dietary requirements through your registration, please contact the Congress Secretariat at *conference@aomevents.com* or the Registration Desk at your earliest convenience.

Coffee, Tea and Water

Coffee and tea will be available during the Congress in several locations in proximity to the technical program rooms. Water will be available at the rear of each technical program room.

Barista Coffee During the Exposition

Barista coffee will be available from the coffee carts located in the Exposition area from early morning until early This has been sponsored by exhibitors – please show your appreciation to them. Please also mindful of the time taken to barista coffee and leave plenty time before you need to be in sessions. As a contribution sustainability, re-usable coffee the Congress logo are available charge from the exhibitors for you They will be available from Monday morning until they run out. Please only take one, and use it for the duration of the Congress.

Eateries and Establishments

There are many coffee shops, cafes and bars within 1 km of the Congress venue including at the Adelaide Convention Centre. Speak to a local committee member for recommendations if needed.

Congress Satchel

There will be no satchel provided as part of this congress, however if you require a bag, please visit the Australian Acoustical Society booth (Booth 28) and pick up a complimentary AAS re-useable cloth bag.

Disclaimer

The Organising Committee reserves the right to make changes to the Congress program or Exposition at any time without notice. Please note that this information is correct at the time of printing. Any subsequent changes or modifications to the program will be announced to delegates throughout the Congress as required as well as on the Congress App.

Duplication/recording

Presenting authors have been requested to make video copies of their presentation available online after the congress. Unauthorised photography, audio or video recording, or any other form of duplication is strictly prohibited in Congress sessions. If you would like copies of presentations, please approach the presenter with your request.

Exposition

The Exposition will be in Halls F/G on the Ground Level and will be open at the following times:

Sunday	9 August	18:00 - 20:00
Monday	10 August	07:30 - 17:00
Tuesday	11 August	07:30 - 17:00
Wednesday	12 August	09:00 - 14:00

If you have any enquiries regarding the Exposition, please direct them to the Australian Acoustical Society booth (Booth 28).

First aid/emergency

In the first instance please contact the Registration Desk in Foyer F or call ACC Security on 8210 6666. The security guards are trained in all aspects of First Aid and emergency procedures.

The nearest medical centre is 500m away at UniSA Health Medical Clinic.
Open Monday – Friday 8:00 am - 5:00 pm.
Phone 1300 172 996.
Hindmarsh Bowden Health is located 4km away and is open 7 days. Phone (08) 8417 7700.

Internet

Free WiFi access is available by connecting to the ACC Wireless Network.
User: INTERNOISE2026
Password: INTERNOISE2026

Liability/insurance

In the event of unforeseen circumstances or events such as industrial disruptions, natural disasters etc, the Organising Committee cannot accept responsibility for any financial or other losses incurred by the delegates. The Organising Committee take no responsibility for injury or damage to persons or property occurring during the Congress. All insurance, including medical cover or expenses incurred in the event of the cancellation of the Congress is the individual delegate's responsibility. The Congress will take no responsibility for any participant failing to insure.

Pandemics

In the event of any infectious disease outbreak such as COVID-19 INTER-NOISE 2026 will comply with the rules of the day as advised by South Australia Health relevant for the City of Adelaide Government Area. It will also comply with the requirements of the Adelaide Convention Centre. If you feel unwell please seek medical advice. See staff at the Congress Registration desk for assistance.

Mobile Phones and Laptops

Delegates are asked to switch off their mobile phones or set them to silent when in sessions. Delegates are also asked to refrain from typing on laptops in Congress rooms while presentations are being conducted. There are ample areas outside of Congress rooms including in the Exposition area where tables, chairs and coffee are available

Name Badges/lanyards

For security purposes, all delegates are required to wear their name badges/lanyards at all times during the Congress. If you misplace your name badge/ lanyard, please see the Congress Registration Desk to arrange a replacement. Self-Check-In kiosks will be located in the Registration Area where registration and printing of name badges can be completed. Lanyards sponsored by Pyrotek are available to connect to your name badge.

To help share contact details with other delegates, there is a QR code on the name badge which can be scanned so that contact can be made through the Congress App or stored for future contact.

Posters Sessions and "Lightning Pitch" Presentations

With reference to the Poster Presentation Guidelines available at: *https://internoise2026.org/presenter-chair-info/*, Technical Posters will be presented in the Exposition Area (Halls F/G) adjacent the Speakers" Corner from Monday - Wednesday with each session bringing together around 12 posters belonging to the same technical field, organised by Stream.

In the Stage 1, and prior to each new set of posters being exhibited, there will be a series of "Lightning Pitch" presentations of the posters where authors have 3 minutes to pitch their poster context, objectives and technical elements in Speakers' Corner. A screen computer and microphone will be supplied for these rapid sessions, and they will be moderated by a Session Chair - the Stream Lead.

In the Stage 2, which immediately follows the Stage 1, the authors will be available with their posters for 1 hour for more detailed discussion on their area of research with interested delegates. Please check the Congress App to ensure you don't miss any of these posters and presentations. Better still, grab a barista coffee while you are there!

Smoking

The Adelaide Convention Centre is a non-smoking venues, however outdoor smoking areas are provided.

Speakers

All speakers are asked to upload and check their presentation in the Speakers' Preparation Room at least half a day prior to your designated time slot. The room will be signposted from the Reception Desk

Please refer to your guidelines for further details: *https://internoise2026.org/presenter-chair-info/*

All presentations are 15 minutes duration - followed by 3 minutes for questions and 2 minutes for change over.

Speakers' Corner

Speakers' Corner is a cordoned off area of the Exposition space that will have chairs and a screen and a microphone in a theatre style. Authors of posters will have 3 minutes to give a lightning pitch on their research prior to their posters being unveiled, whilst Gold Sponsors and other interested exhibitors can book the space to give presentations on their programs or products.

The setup conveniently allows delegates to grab a coffee from the nearby barista's and take a seat in a less formal setting, yet still get to hear about interesting products, research and projects. If interested in booking the space, please contact the AAS booth for information.

Social Program

Welcome Reception

When: Sunday, 9 August 2026

Where: Exposition area in Halls F/G on the ground floor

Time: 18:00 - 19:30

Dress Code: Casual

Tickets: Included in registration for delegates and registered accompanying persons.

The Opening Reception will commence after the Opening Ceremony and Plenary concludes with a relaxed informal stand-up cocktail function in the Exposition area. Browse over 50 trade booths showcasing the latest in noise control engineering from leading suppliers while connecting with fellow delegates. Included in all registrations.

Young Professionals' Breakfast

When: Monday, 10 August 2026

Where: Riverbank Foyer 1

Time: 07:00 - 07:45

Tickets: Free, but registration required via registration portal.

For more information on Young Professionals activities please visit:
https://internoise2026.org/young-professionals/

Monday Quiz Night

When: Monday, 10 August 2026

Where: Strathmore Hotel
129 North Terrace, Adelaide

Time: 18:30 to 19:30

Tickets: Free

Test your knowledge and enjoy some friendly competition at our Inter-Noise Quiz Night! The quiz features a diverse mix of topics – from acoustics and noise control to general knowledge, travel, and much more – so whether you're a seasoned engineer or new to the field, there's something for everyone. Individuals and teams are welcome, so gather your colleagues and put your heads together to tackle the questions. Prizes await the winning team, and all participants can look forward to great company, good conversation, and a few laughs. Plus, enjoy discounted food at the Strathmore Hotel – simply show your congress ticket to claim your discount. It's the perfect way to kick off your congress experience, unwind with colleagues, and make new friends in the acoustics community.

Women in Noise Control Lunch

When: Tuesday, 11 August 2026

Where: Foyer E

Time: 12:00 - 13:00

Dress Code: Casual

Tickets: Free, but registration required via the registration portal.

For late registrations or additional tickets (if available), please check at the Registration Desk or contact *conference@aomevents.com*.

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.

Congress Banquet

When: Tuesday, 11 August 2026

Where: Halls C/D

Time: 19:00 - 22:30

Dress Code: Smart casual

Tickets: Admission by pre-purchased Congress banquet ticket

Additional Tickets: Enquiries at Registration Desk

The Congress banquet will be the social highlight of the Congress and give those delegates and their accompanying persons who have pre-purchased a dinner ticket an opportunity to sample fine Australian food and wine and a friendly Australiana theme. Open to Congress banquet ticket holders only.

For additional tickets (if available), please check at the registration desk or contact *conference@aomevents.com.*

Farewell Reception

When: Wednesday, 12 August 2026

Where: Foyer L

Time: 16:30 - 17:30

Dress Code: Casual

Tickets: Included in registration for delegates and registered accompanying persons

Join us directly after the Closing Ceremony to say farewell to old colleagues and new friends as well as plan for next year's INTER-NOISE. All delegates are invited to sample the best of Italian food and wine from Padova, Italy.

Tours and activities

Accompanying Persons' Program

When: Monday to Wednesday, 10 - 12 August 2026

Where: Meet at Registration Desk 08:30 on the Monday and 09:30 on the other mornings

Time: 1 x full day tour + 2 x ½ day tours

Dress Code: Casual with comfortable shoes. As the Victor Harbor is on the coast it can be windy and cold. Bring an appropriate jacket.

Tickets: Included in registration for accompanying persons. Register at *https://internoise2026.org/accompanying-persons/* or visit the Registration Desk.

We warmly welcome all registered accompanying persons to our dedicated program showcasing the best of Adelaide during INTER-NOISE 2026. The program includes a full-day Victor Harbor, Wildlife and Wine Adventure through South Australia's stunning Fleurieu Peninsula, as well as two half-day experiences including the Adelaide Central Market Tour and an Adelaide City Highlights & River Cruise on the Tuesday and Wednesday. The program also includes attendance at both the Welcome Reception and Farewell Reception. For additional tickets (if available), please check at the registration desk. For more information on the tours, please visit: *https://internoise2026.org/accompanying-persons/*

Technical Tour – Soundwalk Adelaide

When: Wednesday, 12 August 2026

Where: Meet at the Speakers' Corner within the Exposition Area before commencing walk around North side of the Adelaide CBD

Time: 13:30 - 15:30. Please meet at 1315 for a 1330 departure

Tickets: Free, but registration required via the registration portal

Discover the diverse soundscapes of Adelaide on this guided acoustic journey, curated by international soundscape experts from Australia, the UK, and Japan. The walk will stroll through beautiful Adelaide parklands and the heritage North Adelaide precinct, featuring acoustically significant locations such as St Francis Xavier's Cathedral and other landmarks, offering multiple perspectives on how urban and natural soundscapes interact. Throughout the experience, you'll engage with soundscape science using a binaural measurement system to capture authentic acoustic environments. The walk demonstrates current developments in/beyond the emerging soundscape standards informed by the cutting-edge soundscape research. This is a unique opportunity to explore how acoustic environments shape our urban experience, informed by both best practice and the latest research developments in soundscape assessment. Make sure to wear comfortable shoes.

Granite Island Causeway, Victor Harbor, South Australia

Technical Tour - Adelaide University

When: Wednesday, 12 August 2026

Where: Meet at the Speakers' Corner within the Exposition Area before traveling to Adelaide University, School of Electrical and Mechanical Engineering

Time: 13:30 - 15:30. Please meet at 13:15 for a 13:30 departure

Tickets: Free, but registration required via the registration portal. *https://internoise2026.org/young-professionals/*

Take a hands-on tour of Adelaide University's leading acoustic research facilities with Will Robertson and the university's Acoustics, Vibrations and Control research group. This technical tour offers delegates an opportunity to participate in practical demonstrations of acoustic testing and measurement procedures, conducted according to Australian and International Standards. You'll see the instruments and techniques used in cutting-edge acoustic research and measurement, and gain practical insights into the methods that underpin acoustics engineering. An excellent opportunity for delegates interested in measurement techniques and academic acoustics research

Technical Tour - Adelaide Town Hall

When: Wednesday, 12 August 2026

Where: Meet at the Speakers' Corner within the Exposition Area before traveling to Adelaide Town Hall
128 King William St, Adelaide SA 5000

Time: 13:30 - 15:30. Please meet at 13:15 for a 13:30 departure

Tickets: Free, but registration required via the registration portal

Step inside one of Adelaide's most iconic performance venues to experience a hands-on critical listening exercise. Beginning with a brief tour of the Town Hall's architectural history and heritage, you'll then participate in a guided acoustic experience while a professional organist plays the historic Town Hall Organ. Using provided worksheets, you'll learn to critically assess the room's acoustic characteristics, sitting in specific locations to appreciate how the space influences sound. The session concludes with detailed acoustic reverberation measurements, giving you data-driven insights into what your ears are hearing. A perfect blend of heritage, performance and acoustics.

Adelaide City, South Australia

Technical Tour – Her Majesty's Theatre

When: Wednesday, 12 August 2026

Where: Meet at the Speakers' Corner within the Exposition Area before traveling to Her Majesty's Theatre
58 Grote St, Adelaide SA 5000

Time: 13:30 - 15:30. Please meet at 13:15 for a 13:30 departure

Tickets: Free, but registration required via the registration portal

Explore the acoustic design and engineering behind one of Adelaide's premier performing arts venues. This tour showcases the comprehensive acoustic refurbishment of Her Majesty's Theatre, with expert commentary from the acoustic engineer who led the internal works and representatives from the audio engineering team. You'll tour the full theatre from backstage to roof-top mechanical spaces, with particular focus on the auditorium and how its acoustic design supports world-class performances. Gain insights into the intersection of heritage preservation and modern acoustic performance requirements. Note: Full access to all areas is subject to theatre operational requirements on the day.

Special Short Course

When: Sunday, 9 August 2026

Where: Adelaide University,
School of Electrical and Mechanical Engineering.

Time: 09:30 - 15:30

Tickets: Pre-registered delegates

As part of INTER-NOISE 2026, the Adelaide University Acoustics, Vibrations and Control research group are offering a limited number of places for a hands-on practical course in acoustical testing measurement procedures according to Australian and International Standards.
For more information visit
https://internoise2026.org/young-professionals/

Young Professionals' Workshop

When: Monday, 10 August 2026

Where: Meet at Speakers' Corner in the Exposition area.

Time: 15:00 - 17:00

Tickets: Free, but need to register in advance through the registration portal.

For more information on Young Professionals' activities please visit:
https://internoise2026.org/young-professionals/

Drone Noise Symposium

When: Thursday, 13 August 2026

Where: National Wine Centre, Adelaide (Part of University of Adelaide).

Time: 08:45 - 16:30

Tickets: AUD $180 - $200.
Students AUD $90 - $180.
Register at *https://www.acoustics.org.au/events/drones/*

Following INTER-NOISE 2026 and supported by both I-INCE and the AAS. The symposium will comprise a single stream to encourage discussion among the participants. Each of the four sessions during the day will focus on a particular theme and commence with invited presentations from key regulators and industry followed by a panel discussion and engagement of the audience. It is intended that the outcomes from this symposium will include a report that will be posted on the I-INCE website. Chaired by Prof. Antonio J Torija Martinez (University of Salford, UK) and Hon Assoc Prof Marion Burgess (University of New South Wales, Australia).

For more information visit
https://www.acoustics.org.au/events/drones/

Other activities

Registered delegates attending INTER-NOISE 2026 can access an exclusive 10% discount offer on a range of experiences and attractions in Adelaide. From cruises on River Torrens, Aussie animal encounters at Adelaide Zoo or a performance at Her Majesty's Theatre, there are some great things to do in close proximity to the congress venue.

Book on the Congress website at
www.adelaidesightseeing.com.au/IN26
to receive a 10% discount for delegates and their family.

Vineyard Panorama, Adelaide Hills, South Australia

Plenary and Keynote Speakers

Em. Prof. Stephen Elliott
Institute for Sound and Vibration Research,
University of Southampton,
United Kingdom.

Dr. Brandon Southall
Southall Environmental Associates, Inc.
Santa Cruz,
USA.

Prof. Con Doolan
School of Mechanical and Manufacturing Engineering,
University of New South Wales,
Australia.

A/Prof. Elke Deckers
Department of Mechanical Engineering,
KU Leuven,
Belgium.

Prof. Kanako Ueno
School of Science and Technology,
Meiji University,
Japan.

Prof. Xiaozhen Sheng
School of Urban Railway Transportation,
Shanghai University of Engineering Science,
Peoples' Republic of China.

Opening Plenary Lecture

Sunday, 9 August 1700-1800 Halls C/D

Chair: Em. Prof. Colin Hansen

Em. Prof. Stephen Elliott

Institute for Sound and Vibration Research, University of Southampton, United Kingdom

Steve Elliott graduated with first class joint honours in physics and electronics from the University of London, in 1976, and received his PhD from the University of Surrey in 1979 for a dissertation on musical acoustics.

He was appointed Lecturer at the Institute of Sound and Vibration Research (ISVR), University of Southampton, in 1982, was made Senior Lecturer in 1988, Professor in 1994 and served as Director of the ISVR from 2005 to 2010 before retiring in 2022. His research interests have been mostly concerned with the connections between the physical world, signal processing and control, mainly in relation the active control of sound using adaptive filters and the feedback control of vibration. This work has resulted in the practical demonstration of active control in propeller aircraft, cars and helicopters. His more recent research interests have included modular systems for active sound and vibration control and modelling the active processes within the cochlear.

Professor Elliott has published over 300 papers in refereed journals and 600 conference papers, which have received over 30,000 citations. He is co-author of Active Control of Sound (with P A Nelson 1992), Active Control of Vibration (with C R Fuller and P A Nelson 1996) and author of Signal Processing for Active Control (2001). He is a Fellow of the Acoustical Society of America, was jointly awarded the Tyndall Medal from the Institute of Acoustics in 1992 and the Kenneth Harris James Prize from the Institution of Mechanical Engineers in 2000.

He was made a Fellow of the Royal Academy of Engineering in 2009.

Presentation Title

Past, Present and Future of Active Control

Although the idea of reducing sound by destructive interference with a controllable secondary source has been around since the 1930s, it was only an improved understanding of the physical principles of sound control in three-dimensional spaces and the development of digital control algorithms, in the 1980s, that made active control practical. This talk will briefly discuss these developments and the importance of a few key applications, specifically the active control of sound inside aircraft and cars. Although active sound design for engine noise in cars is now commonplace challenges persist in controlling road noise, which is particularly important in electric vehicles. The desire to achieve active control at higher frequencies has also led to the development of local rather than global control systems, which have benefited from recent developments in head tracking systems.

Closing Plenary Lecture

Wednesday, 12 August 1300-1400 Hall L

Chair: Prof. Christine Erbe

Dr. Brandon Southall

Southall Environmental Associates, Inc.
Santa Cruz, USA.

Dr. Brandon Southall is President and Chief Scientist for Southall Environmental Associates (SEA), a research scientist with Marine Acoustics, Inc a Research Associate with the University of California, Santa Cruz, an Adjunct Assistant Professor at the Duke University Marine Laboratory. He obtained Masters and Ph.D. degrees from the University of California Santa Cruz, studying communication and hearing in marine mammals, and subsequently directed the U.S. National Oceanic and Atmospheric Administration Ocean Acoustics Program where he developed the first systematic marine mammal noise exposure criteria. He has published nearly 200 peer-reviewed scientific papers and technical reports and given hundreds of presentations to scientific, regulatory, Congressional, and general audiences around the world. He leads several large, inter-disciplinary behavioral response studies of marine mammals through SEA and is engaged in a wide variety of field and laboratory research projects on hearing and the effects of noise on marine mammals.

Presentation Title

Marine Mammals and Noise: Measuring and Mitigating Human Impacts

This talk will focus on the evolution of quantifying and managing the effects of human-generated noise on marine mammals. It will consider the central importance of sound in the life history of these diverse, complex, and protected top ocean predators. Developments and new directions in noise exposure criteria to guide responsible management and mitigation of noise impacts. New and emerging technologies to reduce noise impacts, including continuous noise alternatives to intense impulsive noise, will also be considered along with needed studies to quantify their efficacy and future directions.

Prof. Con Doolan

School of Mechanical and Manufacturing Engineering, University of New South Wales, Australia

Keynote Lecture

Monday, 10 August 0750-0850 Hall L
Chair: A/Prof. Benjamin Halkon

Professor Con Doolan has an honours degree in Mechanical Engineering and a PhD in Aerospace Engineering from the University of Queensland. After working in the UK, Department of Defence and University of Adelaide, he is now a Professor at the University of New South Wales. Professor Doolan leads the Flow Noise Group, a world leader in aeroacoustics. His projects align with the Defence, medical, mining, energy, aerospace and construction sectors.

Presentation Title

Flow Induced Noise Challenges from the Outback to the Ocean

Noise generated by aerodynamic and hydrodynamic forces occur in rural/outback communities, urban centres and in underwater environments. Mostly, this type of noise is created by rotating blades, such as those found on wind turbines, newly proposed Urban Air Mobility vehicles, drones and underwater propulsors. Understanding and controlling this type of noise will simultaneously improve the amenity of those living alongside these devices as well as improving their operation. While these vehicles operate in diverse environments, the noise generating principles are similar and linked. This talk will describe the science of aero/hydrodynamic noise as it relates to these technologies, some of the scientific challenges associated with them, and our group's novel measurement and control techniques.

A/Prof. Elke Deckers

Department of Mechanical Engineering, KU Leuven, Belgium

Keynote Lecture

Monday, 10 August 1300-1400 Hall L
Chair: I-INCE President Prof. Li Cheng

Elke Deckers is an Associate Professor at the Department of Mechanical Engineering of KU Leuven Belgium. She received her MSc degree in Mechanical Engineering from KU Leuven in June 2008 and her PhD degree in 2012. Her research focuses on the numerical and analytical modelling of the vibro-acoustic behaviour of complex lightweight material systems, including viscous materials, metamaterials and meta-porous systems, and the development of supporting fast numerical prediction techniques. She is extending her domain of expertise to include also the manufacturing of lightweight material systems by polymer processing techniques like injection moulding and thermoforming. This enables her to focus on closing and exploiting the full (digital) loop ranging from design, over manufacturing to actual product performance.

Dr. Deckers is head of the KU Leuven division LMSD, and co-chair holder of the Siemens Chair on Digital Twins for Smart and Sustainable Products, associate editor of npj Acoustics and the Journal of Theoretical and Computational Acoustics and board member of the Dutch Acoustical society.

Presentation Title

Vibro-acoustic metamaterials – towards industrial applicability

Vibro-acoustic metamaterials have emerged as promising noise and vibration solutions which enable reconciling the often conflicting requirements of low mass and volume, and high noise and vibration attenuation. Their superior performance arises from stop bands, which are frequency ranges of strong noise and vibration reduction, resulting from the addition or inclusion of locally resonant structures on or into a flexible host structure on a sub-wavelength scale. Although their potential has been widely evidenced in a variety of mostly academic demonstrators, the manufacturing of vibro-acoustic metamaterials is far from mature while their performance is mostly limited to narrowband noise and vibration reduction. In recent years, significant steps are being taken to broaden the vibro-acoustic attenuation frequency range, to expand their versatility towards tunable noise and vibration reduction, and to bring these novel academic metamaterial concepts to effective compact and lightweight mass-manufacturable noise and vibration solutions. This paper gives a brief overview of the recent work along those research directions at the KU Leuven Mechanical Engineering department, in the LMSD research group.

Prof. Kanako Ueno

School of Science and Technology,
Meiji University,
Japan

Keynote Lecture

Tuesday, 11 August 0800-0900 Hall L
Chair: AAS President Deb James

Dr. Kanako Ueno is a Professor at Meiji University, specializing in architectural acoustics. Her research focuses on the acoustic effects of concert halls from the performers' perspective and the conservation of sound environments in childcare and educational facilities. She played a central role in developing the Standard and Design Guidelines for Sound Environment of School Buildings issued by the Architectural Institute of Japan. She previously served as Chair of the Architectural Acoustics Research Committee of the Acoustical Society of Japan, and currently a director of The Institute of Noise Control Engineering of Japan, chair of its Social Contribution Committee. Recently, her work has focused on creating inclusive sound environments for children with atypical sensory characteristics.

Presentation Title

Sound Environments for Learning and Development: Towards Sensory-Friendly Educational Spaces

The acoustic environment in school classrooms and nursery rooms plays a crucial role in communication, learning, and comfort. This keynote presents practical approaches to improving sound environments in schools and childcare settings based on architectural acoustics research. First, it reports on the effects of enhancing a room's sound absorption performance on children's communication and development. Second, it addresses the growing number of children requiring special educational support, including those with autism spectrum disorder and other atypical sensory characteristics, by introducing methods and outcomes of individualized acoustic adjustments. By integrating research findings grounded in practice, the talk explores how improved acoustics can support children's development, enhance communication, and foster inclusive, sensory-friendly learning environments.

Prof. Xiaozhen Sheng

School of Urban Railway Transportation, Shanghai University of Engineering Science,
Peoples' Republic of China

Keynote Lecture

Tuesday, 11 August 1300-1400 Hall L
Chair: Dr. Judy Rochat

Xiaozhen got MSc from Southwest Jiaotong University (SWJTU), China in 1987, and PhD from ISVR, University of Southampton, UK in 2001. He worked as Research Fellow at ISVR from 2001 to 2004, Senior NVH Engineer at Cummins Turbo Technologies Co. Ltd, UK from 2004 to 2011, Chief Engineer at Hunan Tianyan Machinery Company Ltd, China from 2012 to 2014, Chair Professor in Railway Noise at Key State Laboratory of Traction Power, SWJTU, China from 2015 to 2019. Since 2020, he has been Distinguished Professor in Railway Noise and Vibration at Shanghai University of Engineering Science.

Presentation Title

High-Speed Railway Noise: Generation, Propagation and Mitigation

High-speed trains are probably the greatest noise source in ground transportation. The source is featured with multipole generation mechanisms, large dimensions, rich frequency components, complex directivities, all complicated by fast moving. Higher speeds require lighter weights, but unfortunately, higher speeds normally mean stronger noise generation while lighter weights generally imply greater noise propagation, both heavily worsening noise mitigation. This talk will report some typical advances on high-speed railway noise research, covering measurement results showing typical characteristics of high-speed railway noise; analyses on source contribution to pass-by and interior noise; modelling and control of high-speed rolling noise and aerodynamic noise; prediction and control of the vibro-acoustic behaviour of car-body with poro-elastic media; prediction and control of vibration transmission through the suspension/bogie system; and finally, high-speed train sound quality.

Flinders Ranges National Park,
South Australia

Administration and Governance Activities

I-INCE Activities

Congress Selection Committee (CSC)

Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Saturday, 8 August 2026
Time: 0800 - 1200

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

Venue: Adelaide Convention Centre
Riverbank Foyer 1
Date: Saturday, 8 August 2026
Time: 1200 - 1300

Board of Directors (BoD) – Meeting 1
By invitation only

Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Saturday, 8 August 2026
Time: 1300 - 1700

Presidents Dinner
By invitation only

Venue: SkyCity, North Terrace, Adelaide
Date: Saturday, 8 August 2026
Time: 1930 - 2100

Future Congress Technical Planners (FCTP) Committee - Meeting 1
By invitation only

Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Sunday, 9 August 2026
Time: 1030 - 1200

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 organisations in liaison with I-INCE and any member of a Member Society of I-INCE may attend the meeting of the General Assembly without voting rights.

Venue: Adelaide Convention Centre
Halls C/D Lower Section
Date: Sunday, 9 August 2026
Time: 1300 - 1545

Session Chairs Welcome
By invitation only

Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Sunday, 9 August 2026
Time: 2000 - 2130

Future Congress Technical Planners (FCTP) Committee – Meeting 2
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: Adelaide Convention Centre
Riverbank Room 1
Date: Wednesday, 12 August 2026
Time: 1220 - 1320

Board of Directors (BoD) – Meeting 2
By invitation only

Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Wednesday, 12 August 2026
Time: 1220 - 1320

AAS Activities

Federal Council (FC) Meeting
By invitation only

Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Sunday, 9 August 2026
Time: 1200 - 1600

Government Regulators Meeting

Annual Meeting
All Australian and NZ Government Regulators, and others by invitation

Venue: Adelaide Convention Centre
TBC
Date: Tuesday, 11 August 2026
Time: TBC

Wespac Activities

Board Meeting
Venue: Adelaide Convention Centre
Riverbank Room 1
Date: Monday, 10 August 2026
Time: 1800 - 1900

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Autex Acoustics®
Booth 39 and 40

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Autex Acoustics® is a manufacturer of carbon neutral acoustic solutions for the built environment, designing products that enhance both the sound and look of interior spaces. Manufacturing for 35+ years in Australia, Autex Acoustics has partnered with architects and designers to create sustainable environments that support wellbeing, productivity, and creative expression.

They do this by reducing reverberated noise and echo in a space while shaping it through creative application of their acoustic products. Autex Acoustics' commitment to delivering reliable and trustworthy products is unwavering – every product undergoes rigorous testing to ensure it meets the highest standards of quality and performance.

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It's what the future sounds like.

Gold Sponsor

Getzner Werkstoffe GmbH
Booth 47 and 48

Rajeev Nand
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Getzner Werkstoffe is a leading global expert in vibration isolation for the railway, construction and industrial sectors. Our advanced elastic solutions are designed to minimise vibration and noise, helping to safeguard structures, enhance system efficiency and improve comfort.

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For over 40 years, Mason Mercer has provided vibration and acoustic solutions for the HVAC, acoustical, architectural and the OEM industry in Australia.

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Our strength lies in engineering excellence and customer service which has led us to be the leaders in our field.

Gold Sponsor

Acu-Vib Electronics (SVANTEK)
Booth 49/50

Julian Kielt
Unit 14/22 Hudson Avenue, Castle Hill, NSW, 2154
02 9680 8133
enquiries@acu-vib.com.au
www.acu-vib.com.au

Acu-Vib Electronics specialises in acoustic, vibration and environmental monitoring solutions. We provide sales, calibration, hire and repair of high-quality testing instruments for industries including occupational health and safety, environmental monitoring, research, construction and manufacturing.

As a NATA-accredited laboratory, we deliver precision calibration services and technical support for a wide range of sound and vibration equipment, ensuring compliance with Australian standards.

We are also a proud supplier and distributor of **Svantek** sound and vibration instrumentation, offering industry-leading sound level meters, noise dosimeters, vibration analysers, monitoring systems and calibration equipment renowned for their accuracy, reliability and innovation.

Backed by experienced technical staff and a commitment to quality, Acu-Vib Electronics provides complete measurement solutions to help customers achieve accurate, dependable and compliant testing results.

Bronze Sponsor

HUSHTEC
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Hushtec is one of the world's fastest growing noise control companies, delivering bold, high-performance acoustic solutions for construction, infrastructure, industrial, and commercial projects worldwide. Known for innovation, speed, and proven results, Hushtec is setting a new global benchmark in modern noise control.Pyrotek Pty Ltd

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Pyrotek
Booth 38

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Pyrotek is a leading manufacturer of performance-enhancing acoustic and thermal materials. With over 50 years of industry experience, integrated systems, and design expertise, Pyrotek delivers solutions to fit every specification.

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- Lightweight materials.
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- Engineered vibration damping.
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With a commitment to safety, performance, and compliance to meet international regulations, Pyrotek's internal engineering team and R&D division work with approved laboratories to independently certify our solutions. These solutions are time-tested and supported by proven results to ensure safety, material quality, and exceptional performance.

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Odeon A/S
Booth 30

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ODEON A/S is developing and distributing the Room acoustic simulation software ODEON. ODEON is used for acoustic simulations in all kinds of environments like Concert halls, industrial environments etc.

3D models can be created in Google SketchUp, imported from other CAD software in .dxf or .3ds formats or created using Odeon's own modelling tools. Materials, sources, receivers etc. are handled smoothly in ODEON's user friendly interface. Results are room acoustical parameters presented in graphs and maps, miscellaneous graphs, e.g. decay curves, 3D Reflection Paths and reflectograms and provide realistic presentations of what the room acoustics of a project sounds like.

AIA INTER-NOISE 2027
Booth 27

Associazione Italiana di Acustica
c/o CNR-STEMS, Via Canal Bianco 28, 44124 Ferrara. Italy.
+39 0532 735618
info@internoise2027.org
www.internoise2027.org

The Acoustical Society of Italy and the Organising Committee are delighted to invite you to INTER-NOISE 2027 from 22 to 25 August. The theme of 'Noises of the Past to the Sound of the Future', reflects the evolving role of acoustics in society. With technical sessions covering diverse topics, including modelling and simulation, soundscapes, biodiversity, sound quality, and the vital links between noise control and society, INTER-NOISE 2027 will bring researchers, engineers, and industry specialists together to look beyond traditional noise control, and explore how sound can be designed and managed as an essential quality of life component.

To be held in the historic city of Padua on the Venetian mainland, the congress offers a unique context where scientific excellence, industrial innovation, and Italian culture merge. With its prestigious academic tradition, UNESCO World Heritage sites, vibrant city life, and strong ties to the manufacturing heartland of north-eastern Italy, Padua offers a stimulating environment for professional exchange and international collaboration.

Embelton Engineering
Booth 11

Evan Hong
147-149 Bakers Rd, Coburg North VIC 3058
(03) 9353 4811
enquiries@embeltonengineering.com
www.embeltonengineering.com

Embelton Engineering is a specialist Australian engineering company dedicated to solving complex noise and vibration challenges through scientifically engineered isolation solutions. Backed by over 100 years of local experience, the company combines deep technical knowledge with ongoing research, proven test data and practical, real-world application.

While Embelton's century-long legacy reflects resilience, innovation and family-led growth, the focus of Embelton Engineering today is firmly on helping clients protect buildings, equipment and people from unwanted vibration and structure-borne noise. Its engineers work closely with consultants, builders and contractors to design and deliver tailored isolation systems – ranging from machinery mounts to full building solutions – supported by rigorous analysis and onsite testing.

With an unwavering commitment to performance, reliability and expert advice, Embelton Engineering continues to lead the industry in vibration isolation solutions for the modern built environment.

Marshall Day Acoustics
Booth 18 and 19

Sally Campbell
10/50 Gipps Street Collingwood VIC 3066
03 9416 1855
scampbell@marshallday.com
www.marshallday.com

Marshall Day Acoustics is one of the world's leading acoustic consultancies, with more than 40 years' experience providing specialist consulting services in all areas of acoustics, environmental noise, and vibration. With over 100 professional staff across four countries, our team brings a depth of knowledge and practical expertise to all projects.

We are committed to innovation and research, continually investing in the development of our in-house and commercially available acoustic design and measurement tools, including INSUL, ZORBA, dBSea, IRIS, and dBWav. These tools are widely used by consultants worldwide to support acoustic analysis, prediction, and measurement workflows.

We are also the authorised distributor for SoundPLAN software in Australia and New Zealand, providing sales, training and technical support to fellow consultants and practitioners.

SiteHive
Booth 17

Alexia Rabain
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SiteHive provides environmental management for today's world. Our software and devices transform how people manage environmental impact. We harness modern technology to provide solutions that are easy to use and deliver dramatic time and cost savings.

SiteHive Enviro is intuitive environmental management software that takes environmental data from any source, and makes it easy to manage. Industry-specific workflows save time and effort at every stage, while innovative features make things easy. SiteHive Enviro brings all environmental data to one place, so that environmental impact can be managed proactively online, from wherever people are.

The innovative SiteHive Hexanode family of devices deliver real-time data plus rich contextual information, including images and audio files. Designed to make things easy on site, they are light, mobile and fully automated. The device family includes SiteHive Hexanode Noise+Dust, SiteHive Hexanode Noise, SiteHive Hexanode Dust and SiteHive Hexanode Vibration.

ETMC Technologies Pty Ltd
Booth 31

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Your local GRAS Sound and Vibration contacts and suppliers in Australia and New Zealand.

High performance measurement microphones that 'just keep working' for many years to come work' (standard + IP67 rated rugged and extra rugged units), local technical support and input + the widest range of microphones (standard and custom) available. Come and talk to us, see some of the capability on offer (microphones, calibrators, data capture systems, standard/custom windscreens, etc.).

In addition, we also supply accelerometers, IMUs, and high performance productivity oriented data capture hardware and software (laboratory, engineering/industrial and MIL-STD rugged options).

ETMC Technologies is your one stop shop for technical input, local support, and supply of high performance equipment that reduces your risk and cost, capability that works 'out-of-the-box' and will keep working for many years to come (giving you very low, if not the lowest, total cost of ownership for high capability gear!).

Rion and Norsonic
Booth 26

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RION and Norsonic work together as one team to deliver world-class solutions in sound and vibration measurement.

Founded in 1944 from the Kobayasi Institute of Physical Research, RION has a long history of transforming scientific innovation into practical technologies that enhance quality of life. Today, its expertise spans Medical Instruments, Environmental Instruments, and Particle Counters, supporting healthcare, environmental monitoring, and industrial needs. Key products include advanced sound and vibration measurement equipment.

Established in 1967, Norsonic has built a global reputation for precision acoustic and vibration instrumentation. Its early development was driven by the need for advanced noise monitoring during the Concorde project, helping shape its legacy in high-performance measurement systems. With a strong focus on quality, innovation, and customer collaboration, Norsonic continues to invest in research and international calibration standards.

Together, RION and Norsonic combine expertise, technology, and global support to meet evolving customer needs and modern measurement challenges.

AcousTech
Booth 12

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AcousTech is the specialist project division of the Flexshield Group, focused on the design and supply of engineered noise control systems for industrial, commercial and infrastructure applications.

We work alongside acoustic consultants, engineers and contractors to translate acoustic criteria into practical, buildable solutions from concept through to installation. Our capability spans acoustic enclosures, barriers, panels, louvres, doors and attenuators, designed to meet project specific performance targets across a range of airborne and structure-borne noise control applications.

Performance in situ is central to our approach. We give careful consideration to flanking paths, system integration and installation constraints - the details that determine whether a solution works on paper and in the field.

With over 25 years of experience in industrial and acoustic systems, AcousTech supports consultants and project teams on technically demanding projects where compliance, access and build practicality all need to be managed together.

DMdB
Booth 36

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DMdB is the global partner of DGMR Software and Stapelfeldt Ingenieurgesellschaft for professional environmental noise calculation software, iNoise (see https://dgmrsoftware.com/products/inoise/) and LimA/LimAQ (see https://stapelfeldt.de/).

Visit us to:

- Learn more about how the intuitive iNoise can help you make noise calculations more easily with its renowned ease-of-use and unique features, subscription-based licensing, range of attractive configurations from Free to Company, and cloud calculation options. iNoise complies with ISO 9613, CNOSSOS-EU, Harmonoise and ISO 17534
- Understand how the powerful LimA portfolio with unique macro functionality and fast calculation cores ensures you get results quickly without undue investment in computers. LimA's advanced modelling and analysis ensures the utmost accuracy even in demanding situations. LimAQ enables powerful environmental noise calculations within QGIS. LRCS provides cost-effective cloud computing. ODEN-LimA is a web-based solution for multiple users. Stapelfeldt engineering services deliver high-end integrated solutions
- Hear more about the latest developments in standards such as ISO 9613-2

Asona Limited
Booth 58

Neil Ridgway
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An Australasian manufacturer of high-performance acoustic systems, Asona supports education, commercial, and specialist projects with solutions including sound absorption for indoor pools, impact-resistant systems for sports centres, high CAC (44+) ceiling tiles, and tuned bass absorbers for studios and music halls.

With a strong background in acoustic engineering, Asona provides an acoustic test database on request, along with system-specific guidance and practical solutions that balance NRC, CAC, and buildability, helping bridge the gap between acoustic performance and architectural design.

Manufactured using high recycled content and GreenTag certified, Asona systems meet Australian fire requirements, with short lead times, customisation, and responsive technical support.

acoust IQ by Müller-BBM
Booth 13

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acoust IQ from Müller-BBM Innovation Lab provides Class 1 sound level measurement workflows designed for real-world engineering needs. Our modular system combines a dedicated iOS app with a precision Class 1 microphone and optional cloud capabilities – so you can capture, process, and document acoustic data with speed, consistency, and clarity. With non-destructive edits, integrated reporting, and rich metadata capture (e.g., position, photos, and notes), acoust IQ helps transform measurements into audit-ready evidence.

For teams that need more than on-site results, acoust IQ pro enables centralized cloud storage and efficient data exchange, supporting established industry formats. With acoust IQ live, experts can create, monitor, and manage measurements remotely - reducing travel effort and enabling flexible collaboration across locations.

Visit us at the Inter-Noise 2026 exhibition to see acoust IQ in action at Booth 13.

Vanguard Technologies
Booth 10

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www.vanguardtech.com.au

Vanguard Technologies is an innovative Australian company specialising in predictive environmental noise and dust intelligence. We deliver advanced, integrated solutions that combine operational, meteorological, and real-time monitoring data to provide actionable insights for effective environmental management.

Our technology enables organisations to proactively manage noise compliance, minimise the risk of regulatory breaches, and reduce costly operational disruptions such as shutdowns and production delays. By leveraging predictive modelling and intelligent analytics, we help identify noise sources, forecast potential impacts, and support informed decision-making in dynamic environments.

Vanguard Technologies works closely with industries operating in noise-sensitive and regulated environments – including mining, ports, construction, and heavy industry. Our solutions empower clients to optimise productivity, improve operational efficiency, and strengthen stakeholder relationships, while maintaining their social licence to operate and meeting increasingly complex environmental requirements.

Damping Technologies, Inc.
Booth 51

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www.damping.com

Damping Technologies, Inc. (DTI) is a products and engineering services company specializing in noise and vibration mitigation technologies. We use predictive simulations to design optimal noise control solutions to solve our customer's complex problems. DTI supports customers at any point in the design cycle from early stage product integration to application of late stage, additive solutions.

Magnetite Window Solutions
Booth 15

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www.magnetite.com.au

Magnetite specialises in acoustic and thermal insulation for existing windows and doors. With over 25 years of experience and offices in Australia, NZ, Singapore, U.S and Canada, our systems improve the performance of single glazed windows and doors to create a quieter, more comfortable indoor environment.

Specialising in secondary glazing, both our Magnetite and Soundtite systems focus on maximising the air cavity to provide superior sound attenuation. Our magnetic seals create an airtight barrier that significantly improve acoustic performance while ensuring windows remain functional for ventilation and maintenance.

We work closely with consultants to understand each project's unique requirements, tailoring solutions for residential and commercial applications – from heritage to modern buildings. Magnetite, your ideal partner for retrofit glazing projects.

NTi Audio AG
Booth 20

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NTi Audio AG, headquartered in Schaan, Liechtenstein, develops and manufactures precision test and measurement solutions for acoustics, audio and vibration - combining instruments, software and reporting workflows to deliver reliable results and clear documentation for professionals who need to verify performance and compliance.

Our mission is to turn noise and vibration into intelligence by combining Swiss precision engineering with practical, real world usability. The result is measurements you can trust and insights you can act on.

Jiangsu Pivot New Decorative Materials Co., Ltd.
Booth 52

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www.pivotdesigner.com

Jiangsu Pivot New Decorative Materials Co., Ltd. is a global leader in high-performance acoustic solutions, specializing in the development and manufacture of advanced Micro-Perforated Panels (MPP). Our technology achieves exceptional sound absorption – particularly in the challenging mid-to-low frequency ranges – without the need for secondary acoustic tissues or glass wool.

By utilizing fiber-free, sub-millimeter perforations, our products offer a sleek, “invisible” aesthetic that preserves the pure finish of architectural materials while providing superior formability for complex designs. Engineered for demanding environments, our solutions are inherently fire-rated and moisture-resistant. Our diverse portfolio ranges from raw architectural panels to finished acoustic units, including high-efficiency metal low-frequency traps.

With a proven track record in high-profile international projects, Pivot is committed to pushing the boundaries of psychoacoustic comfort and technical excellence. Visit us at our booth to experience the future of fiber-free acoustic innovation.

Pliteq
Booth 5

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Pliteq is a global leader in engineering high-performance sound and vibration control products, made from recycled tyres. Trusted by engineers, architects, and builders worldwide, our GenieMat and GenieClip brands are known for their consistent quality and performance.

What sets Pliteq apart is our rigorous testing – over 2,000 lab tests in the past decade, with ongoing monthly testing to ensure reliability. Our third-party data and acoustic research are housed in EchoOne, a free online resource for acoustic consultants featuring modelling tools and case studies.

We serve markets including architectural acoustics, transportation, commercial flooring, and infrastructure. Our team supports clients across Australia and New Zealand, with manufacturing powered by an 18,000 sqm facility in Canada. Pliteq recycles the equivalent of six million tyres annually and has delivered over 20,000 commercial projects globally.

BSWA TECHNOLOGY CO., LTD.
Booth 56

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Founded in 1998, BSWA Technology is a leading provider of acoustic measurement solutions, originating from the Institute of Acoustics, Chinese Academy of Sciences. With over 25 years of experience, we specialize in delivering high-precision and reliable solutions for automotive, aerospace, environmental noise, and building acoustics applications.

BSWA is committed to quality and innovation. Our products are certified under ISO 9001 and evaluated by TÜV Rheinland, ensuring compliance with international standards. Our portfolio includes measurement microphones, data acquisition systems, and advanced analysis software.

Driven by continuous innovation and customer-focused development, BSWA actively contributes to industry standards and technological advancement. With a global customer base, we are dedicated to providing accurate, efficient, and reliable acoustic testing solutions, and we look forward to building strong partnerships worldwide.

John Morris Group
Booth 53

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www.johnmorrisgroup.com

John Morris Group is a company that specializes in providing laboratory equipment and scientific instruments. We supply products and services to a variety of industries, including research, education, healthcare, and manufacturing. Our product range typically includes equipment for fields such as:

- Analytical and laboratory instruments
- Water quality testing
- Environmental testing
- Scientific supplies and consumables

Our company acts as a distributor for a range of high-quality scientific brands, helping researchers and professionals access the tools needed for their work. John Morris Group is known for its customer-focused approach, offering technical support and expertise in choosing and maintaining scientific equipment."

Soundmask Global Pty Ltd
Booth 46

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www.soundmask.com.au

Soundmask creates private, comfortable acoustic spaces using our unique sound masking technology.

Established in 1989, Soundmask remains 100% family owned and operated, and proudly Australian. We develop our specialised acoustic sound masking technology in Australia, and export worldwide. Soundmask's systems work by introducing a non-intrusive background sound similar to airflow. Transducers are suspended within the ceiling cavity, so they are not visible. The sound emitted from the speakers fills the ceiling cavity with an even spread of sound. Soundmask's unique, App-operated presets are specially tuned to mask intrusive noise, like talking or traffic, and create speech privacy and comfortable acoustics. Visit www.soundmask.com.au to learn more.

ONO SOKKI
Booth 7

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www.onosokki.co.jp/English/english.htm

Ono Sokki is a measuring instrument manufacturer specializing in the application of digital technology to measurement solutions. The company has a long and distinguished history in this field, including the development of Japan's first digital counter, as well as numerous innovative products utilizing advanced digital technology.

Its products contribute to a wide range of applications, including sound and vibration measurement, engine RPM and torque measurement, and sophisticated engine performance testing systems with advanced control technologies.

In 1973, Ono Sokki became the first company in Japan to successfully apply digital technology to the development of a practical FFT analyzer, an essential tool for noise and vibration reduction. Today, these analyzers are used not only in industrial applications, but also in fields such as medicine.

While maintaining its proud heritage as a digital technology pioneer, Ono Sokki remains strongly committed to addressing future challenges through innovation, flexibility, and advanced technological solutions.

Control Hire
Booth 3

Alexander Newton
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www.controlhire.com.au

Australia's Temporary Hazard Control Solutions,
Noise and Vibration Specialists

Control Hire delivers turnkey temporary hazard controls, particularly noise and vibration management solutions for construction, infrastructure, rail, and demolition projects across Australia.

From our Sydney, Melbourne, and Brisbane branches, we provide a complete noise control fleet for hire: modular Noise Control Walls (NRC 0.85, Rw 27 dB), acoustic barriers and blankets, enclosed cutting stations for RCS and noise attenuation, plus real-time Class 1 noise monitoring, vibration monitoring and deformation monitoring systems: all installed and maintained by our team.

Our CPEng-registered engineers and acoustic specialists deliver 3D Noise Modelling, Construction Noise & Vibration Management Plans (CNVMPs), CFD modelling, and certified structural and ventilation designs. We don't just monitor the problem: we engineer and install the solution.

Where others supply instruments or materials, Control Hire provides the expertise, equipment, and site services to solve your noise and vibration challenges. One call, complete solution.

NVMS
Booth 35

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NVMS is an Australian-owned provider of noise and vibration measurement solutions, supporting industry for more than 37 years. We work with customers across environmental, occupational, industrial, defence, research, and government sectors to deliver trusted expertise in sound and vibration measurement, calibration, training, and compliance support.

At Internoise 2026, NVMS is proud to showcase technologies and services that help organisations accurately measure, assess, and manage noise in complex environments. Our team combines technical expertise with practical industry experience to deliver reliable equipment, accredited calibration services, and tailored solutions to meet regulatory and project requirements.

From environmental noise monitoring and occupational noise assessments to precision instrumentation and acoustic measurement technologies, NVMS supports customers with accurate data, dependable service, and long-term technical support.

Springer Nature
Booth 24

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Springer is a leading global scientific, technical and medical portfolio, providing researchers in academia, scientific institutions and corporate R&D departments with quality content through innovative information, products and services.

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Springer is part of Springer Nature, a global publisher that serves and supports the research community.

HW Technologies
Booth 59 and 60

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www.hwtechnologies.com.au

Australia's leading technical solutions partner specialises in measurement and visualisation of noise and vibration. As GFAI Tech's distributor since 2001, we've been inspiring with beamforming expertise, recently expanding into structural dynamics and representing Mecalc for data loggers.

Designed in partnership with GFAI Tech, our Underwater Acoustic Camera (Hydrovision SeaStar24) combines hydrophone arrays with optical imaging, delivering sub-100mm accuracy for pinpointing underwater noise sources. Entirely passive with 2D/3D acoustic mapping, it's ideal for defence, marine engineering, and port security. Already tested with the Royal Australian Navy.

Our comprehensive acoustic portfolio includes:

- **Mikado** handheld acoustic camera for mobile troubleshooting
- **Octagon** compact sound camera with 192 MEMS microphones for demanding measurements
- **WaveCam** vibration analysis using motion magnification for non-contact monitoring
- **Micro Q** data loggers trusted by automotive, aerospace, and defence industries

From handheld solutions to cutting-edge underwater technology, HW Technologies delivers innovative acoustic solutions with expert local support.

Bestech Australia Pty Ltd
Booth 55

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Established in 2002, Bestech Australia is a specialist engineering company providing precision measurement sensors, instrumentation and technical teaching equipment across Australia and New Zealand. For more than two decades we have worked alongside engineers, researchers and educators in sectors including Oil and Gas, Defence, Mining, Water, Energy, Transport, Advanced Manufacturing, Research and Education.

Our approach combines proven global technology with local engineering expertise. Each project begins with a clear question: what is the customer trying to achieve? From that starting point, our engineers manage application design, product selection, assist with systems integration and commissioning, and continue to provide technical support throughout the life of the asset. Every equipment recommendation is made by engineers who understand the application and take responsibility for the outcome.

Customers choose Bestech because they require more than equipment. They need an engineering partner who can interpret a specification, recommend the right approach, and remain a dependable source of support well after the initial project is complete.

Acoem Australasia
Booth 54

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For over 30 years, Acoem has pioneered the design and manufacture of connected, world-class solutions for precise, real-time noise and vibration monitoring. As a global environmental leader, we deliver Class 1 sound level meters and systems tailored for the aviation, construction, industrial, and statutory sectors.

At the heart of our innovation are the Cadence and Aerovision data management platforms. We integrate high-performance sensors with our advanced software and digital systems, allowing users to navigate complex data with ease. This technology empowers industries and government agencies to move beyond simple measurement – enabling proactive, informed decision-making to mitigate noise pollution and enhance community well-being.

Join Acoem at Internoise 2026 to explore how our integrated hardware and AI-driven insights are shaping the future of acoustic monitoring and creating more sustainable soundscapes worldwide.

Cirrus Research plc
Booth 21

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www.cirrusresearch.com

Cirrus Research is a leading manufacturer of noise and vibration measurement instruments, helping organisations worldwide to protect people, communities, and the environment from the harmful effects of excessive noise and vibration.

Founded in the UK in 1970, Cirrus Research designs and manufactures a comprehensive range of sound level meters, noise dosimeters, environmental noise monitoring systems, and vibration measurement solutions. Our products are used across a wide range of industries, including occupational health and safety, construction, manufacturing, environmental monitoring, transportation, and more.

With customers in more than 100 countries, Cirrus combines innovative technology with expert technical support, training and calibration services. Our solutions are designed to simplify complex measurement while delivering reliable, accurate data that supports compliance with international standards and regulations.

By combining robust instrumentation, cloud-connected technologies, and expert support, we enable our customers to make informed decisions that improve workplace safety, environmental stewardship, and community wellbeing.

Batten & Cradle
Booth 37

Pete Snowden
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+64 27 455 5506
pete@bc-systems.com
www.battenandcradle.co.nz

Batten & Cradle™ flooring systems are engineered to manage airborne and impact noise by significantly reducing sound transmission through timber, concrete, and CLT floor structures. Our systems are exceptionally effective in medium to high-density residential and commercial buildings, education and healthcare facilities.

Alongside high-performance acoustics, our products prioritise sustainability by utilising recycled tyres and sustainably grown timber for both new builds and refurbishments.

New Release: Ask about our new exposed CLT soffit configuration! Using our new SRT™ Sound Reduction Tile, it provides excellent acoustic performance while keeping your services concealed. You get great acoustics without having a ceiling to cover up the beautiful timber below.

We supply customised systems that that are independently tested to ensure your floors meet Australian and New Zealand acousticbuilding standards.

Visit booth 37 to discuss how we can create a quiet environment for your building, workplace or family home.

Bedrock Elite Co., Ltd.
Booth 1

Bedrock Elite Sales Team
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Bedrock Elite designs and manufactures professional acoustic measurement instruments for consultants, engineers, safety professionals, universities, system integrators, and government agencies. The product range includes the i10, i9 and i5 sound level meters and STIPA analyzers, developed for environmental noise monitoring, room and building acoustics, occupational noise assessment, voice alarm commissioning, and electroacoustic testing. Bedrock Elite focuses on practical field use: clear touch-screen operation, robust hardware, strong connectivity, and an all-inclusive approach with no hidden software modules or costly feature unlocks. Designed in the Netherlands, Bedrock Elite instruments give professionals a reliable, affordable, and future-proof platform for precision acoustic measurement.

CSR Himmel-Woven Image
Booth 6

Murray Hildebrand
Triniti, 3/39 Delhi Road, North Ryde, NSW 2113
0403 235 831
mhildebrand@csr.com.au
www.himmel.com.au

Optimise your architectural soundscapes with acoustic solutions from Ecophon, Martini and Woven Image – international portfolios supplied across Australasia by CSR, a subsidiary of Saint-Gobain.

Engineered for exceptional performance, these systems deliver measurable acoustic comfort and wellbeing across commercial, healthcare and education spaces.

Ecophon, the leading supplier of indoor acoustic solutions that improve working performance and quality of life, are passionate advocates for the importance of room acoustics to people's wellbeing.

Complementing Ecophon's "sound effect on people" commitment, Woven Image and Martini offer Australian-made wall panels, bespoke baffles and sculptural features crafted from premium recycled PET. These design-driven systems offer incredible flexibility to eliminate harmful flutter echoes and lateral reflections to ensure optimal speech clarity and reduce cognitive fatigue.

Integrated or individually, this unified, data-backed portfolio equips designers and engineers with compliant, optimised acoustic solutions – supporting healthier, balanced environments and contributing to Saint-Gobain's vision of making the world a better home.

ZXONIC
Booth 8

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Website:

At ZXONIC, we design and develop AI-embedded sound and vibration instruments that preserve the accuracy and precision proven over decades, while blending modern intelligent tools directly into the measurement workflow. Our portfolio spans personal sound & vibration exposure meters, sound level meters, measurement microphones, acoustic imaging systems, DAQ systems, and an integrated ecosystem of software tools for control, analysis, visualization, and reporting.

At ZXONIC, we see sound as more than what we hear – it's a powerful signal that reveals how machines perform, how environments affect people, and where risk and inefficiency hide. Our mission is to deliver measurement solutions that are trustworthy at their core, smarter in the way they work, and practical in the way they help customers act – whether that means reducing noise pollution, improving product quality, enabling predictive maintenance, and strengthening safety in demanding industrial conditions.

Resonate Systems
Booth 22

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www.resonatesystems.com.au

Resonate Systems is an Australian engineering company specialising in advanced test and evaluation solutions for defence, aerospace, transport, research, manufacturing and infrastructure applications. We design, integrate and support vibration test systems, structural dynamics and modal testing solutions, data acquisition systems, environmental monitoring platforms, and custom automated test equipment. Our team combines expertise in mechanical, electrical and software engineering to deliver turnkey solutions that improve product reliability, accelerate development, and provide confidence through high-quality measurement and analysis. As an authorised partner for leading global technology providers, we work closely with customers throughout Australia and New Zealand to deliver innovative testing capabilities backed by local engineering support. At Internoise 2026, Resonate Systems will be joined by our valued partners Data Physics, showcasing world-class vibration testing and dynamic signal analysis systems, and KEMO, presenting their range of high-performance accelerometers, impact hammers, instrumentation and accessories for noise and vibration measurement applications.

CRYSOUND
Booth 2

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For three decades, CRYSOUND has delivered cutting-edge acoustic measurement solutions across five core lines: Sensors, Data Acquisition, Acoustic Imaging, Noise Measurement, and Electroacoustic Test. We serve over 10,000 clients in more than 90 countries, partnering with global leading brands across automotive, consumer electronics, energy, environmental and research sectors, including Mercedes-Benz, BYD, Microsoft, Samsung, ExxonMobil, Chevron, Harvard University and Nanyang Technological University.

At INTER-NOISE 2026, CRYSOUND showcases full environmental noise monitoring products in standard format: CRY2851 Class 1 sound level meter, portable noise patrol equipment with high precision and wide measurement range; SonoDAQ, a modular and scalable data acquisition system with time synchronization, local recording, and open API; and OpenTest, open-source audio and NVH test software for measurement, analysis, and reporting.

SAVTEK 2 Pty Ltd
Booth 4

Darryl Watkins
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SAVTEK 2 Pty Ltd is a continuation of SAVTEK Pty Ltd under new ownership of Director Darryl Watkins.

SAVTEK 2 Pty Ltd is based in Deception Bay, QLD, and is the Australian and New Zealand distributor for:

SYSCOM Instruments of Switzerland, SINUS Messtechik of Germany and CESVA Instruments of Spain. This includes sale and rental of ground vibration and seismic monitors, multi-channel analysers for acoustic and vibration measurements with specialised software. SAVTEK also sells noise monitors, sound limiters and sound level meters, microphones, accelerometers and associated accessories.

Acoustic Blinds and Curtains
Booth 45

Cameron West
12 Whiting St, Artarmon, NSW, Australia 2064
1-300-911-680
info@acousticblindsandcurtains.com.au
www.acousticblindsandcurtains.com.au

Acoustic Blinds and Curtains are Australia's specialists in sleep, work and acoustics. We work with home owners, large organisations and everything in between to create acoustic environments that promote happy, healthy and productive living.

Our customers and partners look to us:

1. For better sleep and better ways to work.
2. To take back control of their acoustic environment, and hear what they want to hear clearly.
3. When noise pollution starts to impact their health and quality of life.
4. When open plan starts impacting work and academic performance.

We offer blinds and curtains designed to reduce noise and absorb sound. Our acoustic blinds and curtains are a functional alternative to traditional blinds and curtains and offer simple, design-first and cost-effective noise reduction and sound absorption compared to other acoustic products.

Soundblock Solutions
Booth 25

Michael Turtledove
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www.soundblock.com.au

Soundblock Solutions is an established, leading supplier of acoustic products and solutions for residential, commercial and industrial applications nationally.

Soundblock offers a wide range of acoustic products including acoustic absorbers such as the unique Stratocell Whisper, secondary windows and doors, secondary walls and ceilings, acoustic underlay, pipe wrap and insulation.

Soundblock is the distributor of Stratocell Whisper – a unique, lightweight, closed-cell polyethylene foam acoustic absorber that can be installed in both indoor and outdoor applications, facing directly onto the noise source.

Examples of major infrastructure and complex projects completed, include the Intercity Fleet Rail Maintenance Shed for Transport NSW at Kangy Angy, Water Pump Stations for Sydney Water, Allianz Stadium, Sydney, West Connex plant room, Tempe NSW, Gold Coast Council's Helensvale Waste & Recycling Plant, NSW Police Academy Training Rooms at Goulburn, Victorian Police Firing Ranges & the Victorian Tunnelling Training Centre, Holmesglen VIC.

Regupol
Booth 16

Ben Jarrett
155 Smeaton Grange Road,
Smeaton Grange NSW 2567
02 4624 0050
sales@regupol.com.au
www.regupol.com.au

REGUPOL Australia delivers proven solutions for impact sound insulation, vibration isolation and resilient flooring. With more than 35 years' experience in the Australian construction industry, supported by REGUPOL Germany's 70-year manufacturing heritage, our global expertise combines practical project experience with advanced material knowledge.

Using lab-tested systems and high-quality materials, REGUPOL provides specification-ready solutions with reliable acoustic performance from design through to installation. The portfolio also includes specialised solutions for fitness acoustics, supporting performance, safety and noise control in gyms and multi-use facilities. Our sustainability credentials include GECA and EPD certification.

Visit the REGUPOL booth to discuss project challenges, system selection, installation considerations, and achieving buildable acoustic flooring outcomes with our experienced technical team.

Demcon Sound Solutions
Booth 23

Ton Stael
Institutenweg 21, 7521PH Enschede, The Netherlands
+31 6 44 6323 77
ton.stael@demcon.com
soundsolutions.demcon.com

Demcon sound solutions develops the Sonocat, an advanced acoustic measurement tool. Using 8 mems microphones the Sonocat is able to measure every acoustic parameter of a sound field. One of the Sonocat's most remarkable features is its ability to separate incident and reflected sound, without relying on global sound field assumptions or requiring an artificial sound source. This enables the Sonocat to measure the sound absorption coefficient of materials, as it is used in the application, and transmission loss of partitions, like noise barriers.

Beyond the Sonocat, Demcon sound solutions also delivers high quality solutions, for complex acoustic and vibration problems. From mathematical vibration models to transmission measurements, out team of acoustic professionals and physicists can tackle the most complex problems.

CADNA – RENZO TONIN
Booth 50
renzotonin.com.au

Established in 1982, Renzo Tonin & Associates is a leading engineering consultancy, dedicated to providing a full range of acoustic services including noise, sound quality, vibration and structural dynamics.

A member of the Australasian Association of Acoustical Consultants, with offices in Sydney, Melbourne, Brisbane, Kuwait and Singapore, our award-winning consultancy assists architects, engineers, planners, developers and builders, and services government and private enterprise across a diverse range of projects.

Renzo Tonin & Associates is the authorised Australian and New Zealand distributor of Datakustik noise prediction software, including CadnaA, CadnaR and CadnaB.

PWNA – SOUNDCAM
Booth 30
www.pwna.com.au/sound-cam

SoundCam Australia is the Australian distributor for the world market leader in Acoustic Cameras, CAE Software and Systems GmbH from Germany. We provides the world's first portable acoustic cameras for imaging sound. It is the first camera that images sound and is affordable for everyone. The system is intuitive and as easy to use as a smartphone. SoundCam locates sound sources in real time and immediately displays the results on the screen.

CAE is a real expert in acoustic cameras, is market leader in this field and has a working worldwide partner network. In 2019 identified a new field of sound source localization with a tremendous impact – ultrasonic acoustic cameras and sensors for gas leakage detection (and other applications).

Sigicom
Booth 9

Mark Dean
+61 484 360 382
mark.dean@sigicom.com
www.sigicom.com

Sigicom is a global leader in providing remote measurement solutions for environmental impact monitoring. We drive innovation through close collaboration with our customers and focus on providing quality service as a manufacturer in direct collaboration with the local market.

The INFRA system provides time and cost efficient monitoring of vibration, noise, environmental, and geotechnical parameters across many projects at once, allowing key stakeholders to use real time data for better decision making.

Sigicom provides direct support and services globally while also reaching several countries locally across North America and Europe. Contact our local Sigicom team in Australia to discuss your next project.

IAC Acoustics Australia Pty. Ltd.
Booth 32

Mr. Jay Owen
Unit 3, 2 Dupas Street, Smithfield, NSW-2145
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info@iac-australia.com.au
www.iac-australia.com.au

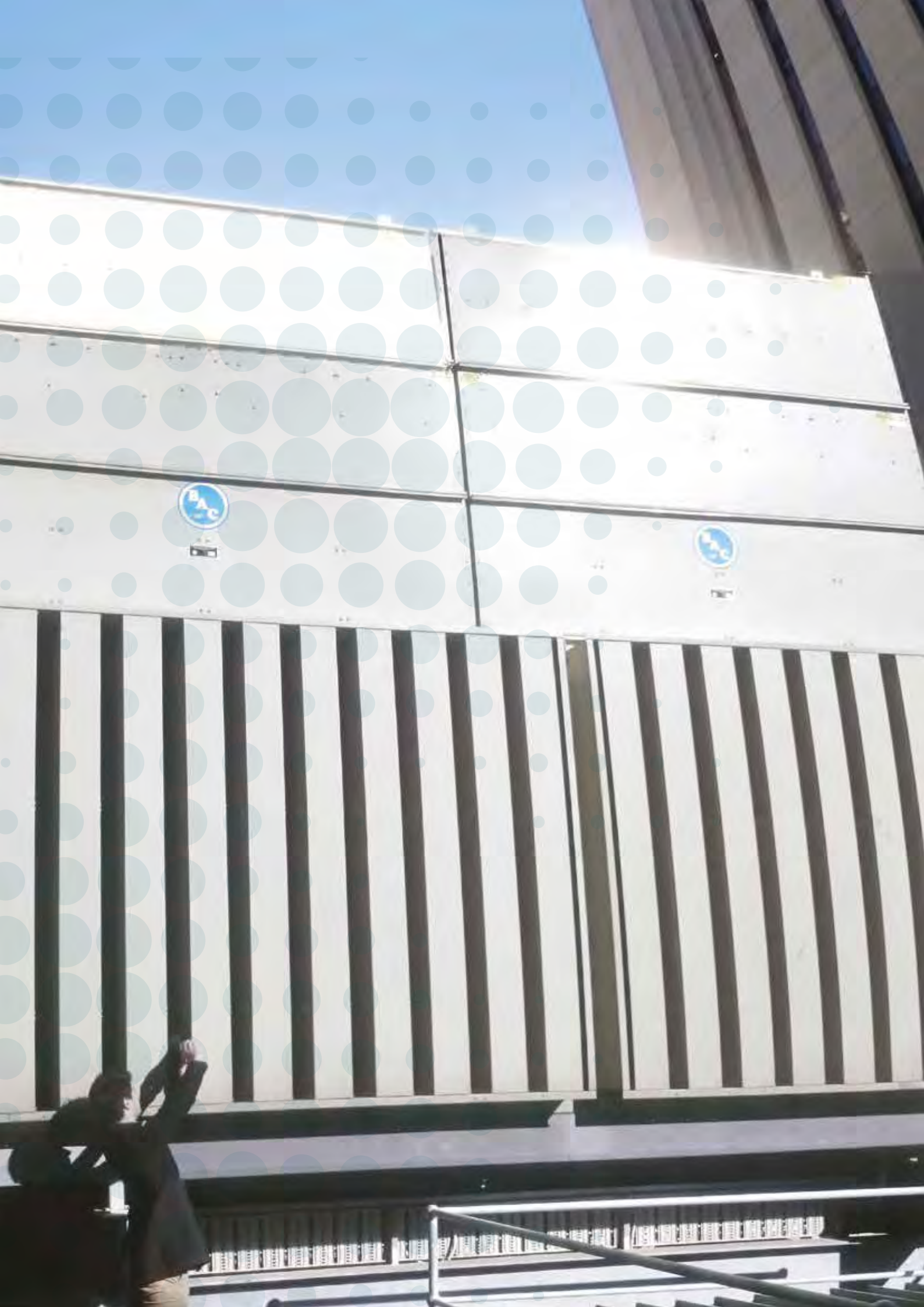
Founded on an unrivalled history of engineering the IAC Acoustics brand is synonymous with innovation.

We engineer, develop, manufacture and install innovative solutions to solve noise related issues in a diverse range of industries.

The continual success of our products and services over the decades has brought the brand a reputation for quality and reliability among customers. This is supported by the expertise and passion of our workforce, the people behind the products, including designers, engineers and industry specialists.

To face the ever-increasing noise reduction demands of the future, we strive to further enhance our ability to reduce excessive noise. We aim to focus on developing tomorrow's solutions today, innovating faster and delivering solutions that meet the requirements of the next generation. In doing so, we will stay true to our key values and founding philosophy to **make the world a quieter place.**

Technical Program



Eucla/Nullarbor National Park
Great Australian Bight
South Australia

Session Chairs

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Amy Bastine
Michael Bauer
Dick Botteldooren
Norm Broner
Jesse Budel
Marc Buret
Densil Cabrera
Andrea Calilhanna
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Linli Zhang
Xin Zhang
Wen Zhang
Sipei Zhao
Jiaxin Zhong
Siyang Zhong
Jianhui Zhou
Peng Zhou
Qiaoxi Zhu

Streams, Topics and Sessions

1. Vibration & Acoustical Engineering Science	**1.1. Physical Acoustics & Elastic Waves**	1.1.1. Physical Acoustics & Elastic Waves: General 1.1.5. Acoustic and Elastic Metamaterials
	1.2. Measurement Methods	1.2.1. Measurement Methods: General 1.2.2. Microphone and Loudspeaker Array Techniques 1.2.4. New Developments with Basic Machinery Noise Emission Standards 1.2.5. Measurement Methods for Smart Cities and Noise Monitoring (common session with 4.1.9) 1.2.6. Tone Definition and Evaluation (common with session 2.4.5)
	1.3. Modeling & Simulation Techniques	1.3.1. Modeling & Simulation Techniques: General 1.3.3. Acoustics and Vibration modeling of Electrical Machines 1.3.5. Artificial Intelligence and Machine Learning for Diagnosis in Acoustics & Vibration (common with session 1.5.3) 1.3.6. Data-driven and Machine Learning Methods for Modeling and Design in Acoustics & Vibration 1.3.7. Acoustic Design using Optimization Methods
	1.4. Vibro-acoustics & Structure-Borne Noise	1.4.1. Vibro-acoustics & Structure-Borne Noise: General 1.4.2. Numerical Methods in Vibro-acoustics 1.4.3. Experiments in Vibro-acoustics 1.4.4. Vibration and Acoustics in Pipeline Monitoring: Advances in Leak Detection 1.4.6. Passive Control of Noise & Vibration Using Acoustic Black Hole Effect
	1.5.Signal Processing, Reproduction & Diagnostics	1.5.1. Signal Processing, Reproduction & Diagnostics: General 1.5.2. Signal Processing for Sound Reproduction and Spatial Audio 1.5.3. Artificial Intelligence and Machine Learning for Diagnosis in Acoustics & Vibration (common with session 1.3.5)
	1.6. Aero- & Thermo-Acoustics	1.6.1. Aero- & Thermo-Acoustics: General 1.6.4. Computational Methods in Flow-induced Noise & Vibration (common with session 2.6.3)
	1.7. Active Systems for Noise & Vibration Control	1.7.1. Active Systems for Noise & Vibration Control: General 1.7.2. Hybrid Active-Passive Systems for Noise & Vibration Control 1.7.3. Signal Processing & Algorithms for Noise & Vibration Control 1.7.4. New Applications of Active Control 1.7.5. Artificial Intelligence for Active Systems in Noise & Vibration Control
2. Industrial & Transportation Applications	**2.1. Aircraft Noise**	2.1.1 Aircraft Noise: General 2.1.2 Aircraft Interior Noise 2.1.4 Airport Noise
	2.2. Urban Air Mobility Noise	2.2.2. Drone Noise Measurement, Modelling and Assessment 2.2.4 Noise Impact and Control for Low-Altitude Aviation
	2.3. Ground Transportation Noise & Vibration	2.3.1. Ground Transportation Noise & Vibration: General 2.3.2. Measurement Methods for Tire/Road Noise 2.3.3. Acoustic Properties of Road Pavements 2.3.5. Vehicle Acoustics 2.3.6. Railway Noise & Vibration 2.3.7. Noise Barriers and Noise Mitigation Methods 2.3.9. Vibration from Ground Transportation: Sources and Propagation
	2.4. Industrial Noise & Vibration	2.4.1. Industrial Noise & Vibration: General 2.4.2. Industrial Noise Control 2.4.3. Wind Turbine Noise 2.4.4. Road Traffic Noise Assessment and Modelling 2.4.5. Tone Definition and Evaluation (common with session 1.2.6)
	2.5. Underwater, Ship & Offshore Acoustics	2.5.1. Underwater, Ship & Offshore Acoustics: General 2.5.2. Underwater Marine System Noise Radiation and Control 2.5.3. Underwater Acoustic Propagation
	2.6. Flow-induced Noise & Vibrations	2.6.1. Flow-induced Noise & Vibrations: General 2.6.3. Computation methods in Flow-induced Noise & Vibration (common with session 1.6.4))
	2.7. Noise & Impacts on Biodiversity	2.7.1. Noise & Impacts on biodiversity: General 2.7.4. Ecoacoustics and Analysis of Soundscape

3. Material, Architectural & Environmental Applications	3.1. Urban Acoustics and Outdoor Sound Propagation	3.1.1. Urban Acoustics and Outdoor Sound Propagation: General 3.1.2. Urban Sound Propagation 3.1.3. Sound Driven Place Making and Urban Planning (common session with 4.1.3) 3.1.6. Advances in Noise Mapping
	3.2. Building Acoustics	3.2.1. Building Acoustics: General 3.2.2. Requirements, Classification Schemes & Standards in Building Acoustics 3.2.3. Measurement and Prediction of Airborne and Impact Sound Insulation 3.2.4. Structure-borne Sound and Equipment Noise in Buildings 3.2.5. Addressing Noise and Vibration Problems in Buildings 3.2.7. Acoustics of Wooden Buildings 3.2.8. Low-carbon Acoustic Treatments and Design Solutions 3.2.9. Sound Insulation of Facades and Facade Elements
	3.3. Room Acoustics	3.3.1. Room Acoustics: General 3.3.2. Measurement and Prediction of Sound Absorption in Reverberation Rooms 3.3.4. Acoustics of Performing Arts and Listening Spaces 3.3.5. Acoustics of Education Spaces 3.3.7. Computational Tools for Room Acoustics Prediction
	3.4. Materials & Passive Treatments	3.4.1. Materials and Passive Treatments: General 3.4.3. Acoustic Multi-dynamic Materials & Metamaterials 3.4.4. Measurements & Characterization Methods for Acoustical Materials
4. Human Factors	4.1. Community Noise & Health	4.1.1. Community Noise & Health: General 4.1.3. Sound Driven Place Making and Urban Planning (common session with 3.1.3) 4.1.4. Environmental Impact Assessment 4.1.5. Community Response to Noise 4.1.6. Acoustics of Safety 4.1.7. Noise and Health in Children 4.1.9. Measurement Methods for Smart Cities and Noise Monitoring (common session with 1.2.5)
	4.2. Soundscape	4.2.1. Soundscape: General 4.2.3. Psychological and Physiological Evaluation in Soundscape Studies 4.2.6. Innovative and Multisensory Approaches in Soundscape Studies 4.2.7. Soundscapes from the Perspective of Arts/Human Sciences 4.2.9. Sound as a Service for Sustainable Environments
	4.3. Perceptual Evaluation of Sounds & Product Noise	4.3.1. Perceptual Evaluation of Sounds and Product Noise: General 4.3.3. Product Sound Quality 4.3.5. Sound Design 4.3.6. Perception and Sound Design for Electric Vehicles 4.3.7. Psychological Evaluation of Transportation Noise: Train, Aircraft, and Road Traffic Noise
	4.4. Art, Music & Science	4.4.1. Art, Music & Science: General 4.4.3. Vibration and Acoustic Measurements of Musical and Sound Sources
	4.5 Education & Popularization	4.5.1. Education & Popularization: General
	4.6 Noise Control & Social Sciences	4.6.1. Noise Control & Social Sciences: General

Parallel Session Plan

Monday

		Morning	Mid-Morning	Afternoon	Late Afternoon
1. Hall F/G	Hall F/G		10:40–12:20 **4.0.0 Posters** Chair: Arvind Deivasigamani [Paper#: 12; 61; 107; 247; 256; 353; 413; 666; 669]		
2. Riverbank Room 2	Riverbank Room 2	09:00–10:20 **3.4.3 Acoustic Multi-dynamic Materials and Metamaterials** Chairs: Liangzhou Wang, Long Chen [Paper#: 53(I), 92(I), 306(O), 86(I)]	11:00–12:20 **3.4.3 Acoustic Multi-dynamic Materials and Metamaterials** Chairs: Liangzhou Wang, Long Chen [Paper#: 62(I), 345(O), 218(I), 351(I)]	14:00–15:20 **1.1.5 Acoustic & Elastic Metamaterials** Chairs: Wonju Jeon, Jose Augusto [Paper#: 15(I), 215(I), 673(I), 809(I)]	16:00–17:20 **1.1.5 Acoustic & Elastic Metamaterials** Chairs: Wonju Jeon, Jose Augusto [Paper#: 579(I), 687(I), 106(I), 796(I)]
2. Riverbank Room 3	Riverbank Room 3	09:00–10:20 **3.3.5 Acoustics of Education Spaces** Chairs: Young-Ji Choi, Kiri Mealings [Paper#: 59(I), 60(I), 67(I), 171(I)]	11:00–12:20 **3.3.5 Acoustics of Education Spaces** Chairs: Young-Ji Choi, Kiri Mealings [Paper#: 354(I), 229(O), 483(O), 473(I)]	14:00–15:20 **3.3.1 Room Acoustics: General** Chairs: Deb James, Amanda Robinson [Paper#: 17(I), 58(I), 74(I), 311(I)]	16:00–17:20 **3.3.1 Room Acoustics: General** Chairs: Deb James, Amanda Robinson [Paper#: 350(O), 440(I), 532(I), 628(I)]
2. Riverbank Room 4	Riverbank Room 4	09:00–10:00 **3.3.7 Computational Tools for Room Acoustics Prediction** Chairs: Shuai Lu, Shenzzi Su [Paper#: 137(I), 277(I), 547(I)]	11:00–12:00 **2.6.3 Perceptual Evaluation of Sounds and Product Noise: General** Chairs: Sparsh Sharma, Cheolung Cheong [Paper#: 151(I), 780(I), 814(I)]	14:00–15:00 **4.3.1 Perceptual Evaluation of Sounds and Product Noise: General** Chairs: Mehmet Ercan Altinsoy, Katsuya Yamauchi [Paper#: 23(I), 470(I), 576(I)]	16:00–17:20 **4.1.5 Community Response to Noise** Chairs: Norm Broner, TBC [Paper#: 214(I), 190(O), 731(I), 216(I)]
2. Riverbank Room 5	Riverbank Room 5	09:00–10:20 **2.3.6 Railway Noise & Vibration** Chairs: Aaron Miller, Briony Croft [Paper#: 196(I), 337(I), 507(I), 273(I)]	11:00–12:00 **2.3.6 Railway Noise & Vibration** Chairs: Aaron Miller, Briony Croft [Paper#: 35(O), 133(O), 554(I)]	14:00–15:20 **2.3.6 Railway Noise & Vibration** Chairs: Linli Zhang, Xiaozhen Sheng [Paper#: 380(I), 548(I), 393(I), 342(I)]	16:00–17:40 **2.3.6 Railway Noise & Vibration** Chairs: Linli Zhang, Xiaozhen Sheng [Paper#: 542(I), 76(I), 75(I), 779(I), 467(I)]
2. Riverbank Room 6	Riverbank Room 6	09:00–10:00 **1.4.3 Experiments in Vibro-acoustics** Chairs: Stephen Moore, Shahrokh Sepehrirahnama [Paper#: 54(I), 307(I), 764(I)]	11:00–12:20 **3.2.7 Acoustics of Wooden Buildings** Chairs: Jean-Luc Kouyoumji, Jianhui Zhou [Paper#: 195(I), 654(I), 504(I), 505(I)]	14:00–15:00 **3.2.7 Acoustics of Wooden Buildings** Chairs: Jean-Luc Kouyoumji, Jianhui Zhou [Paper#: 602(I), 481(I), 529(I)]	16:00–17:40 **2.3.1 Ground Transportation Noise & Vibration: General** Chairs: Wim van Keulen, Seonghyeon Kim [Paper#: 299(I), 541(I), 550(I), 578(I), 733(I)]
2. Riverbank Room 7	Riverbank Room 7	09:00–10:00 **2.4.2 Industrial Noise Control** Chairs: Ali Ahmadi, Xueying Xu [Paper#: 499(I), 284(O), 359(I)]	11:00–12:20 **2.4.2 Industrial Noise Control** Chairs: Ali Ahmadi, Xueying Xu [Paper#: 317(O), 428(O), 593(I), 252(O)]	14:00–15:20 **2.5.1 Underwater, Ship & Offshore Acoustics: General** Chairs: Joe Cuschieri, Richard Howell [Paper#: 756(I), 824(O), 93(I), 241(I)]	16:00–17:40 **2.5.1 Underwater, Ship & Offshore Acoustics: General** Chairs: Richard Howell, James Forrest [Paper#: 158(I), 188(O), 49(I), 31(O), 37(I)]
2. Riverbank Room 8	Riverbank Room 8	09:00–10:20 **3.4.1 Materials & Passive Treatments: General** Chairs: Yat Sze (Tracy) Choi, Tim Trewin [Paper#: 83(I), 374(I), 181(I), 203(I)]	11:00–12:00 **3.4.1 Materials & Passive Treatments: General** Chairs: Yat Sze (Tracy) Choi, Tim Trewin [Paper#: 329(I), 100(I), 774(I)]	14:00–15:00 **3.2.2 Requirements, Classification Schemes & Standards in Building Acoustics** Chairs: Darren Jurevicius, Marc Buret [Paper#: 517(I), 655(I), 819(I)]	16:00–17:40 **2.3.2 Measurement Methods for Tire/Road Noise** Chairs: Paul Donavan, Judy Rochat [Paper#: 308(I), 127(O), 310(I), 493(I), 821(I)]

Monday

		Morning	Mid-Morning	Afternoon	Late Afternoon
3. Panorama Room 1	Panorama Room 1	09:00–10:00 **1.6.1 Aero- & Thermo-Acoustics: General** Chairs: Danielle Moreau, Cheolung Cheong [Paper#: 47(I), 82(I), 170(I)]	10:40–12:00 **1.6.1 Aero- & Thermo-Acoustics: General** Chairs: Danielle Moreau, Cheolung Cheong [Paper#: 689(I), 766(I), 45(I), 391(I)]	14:00–15:00 **1.2.4 New Developments with Basic Machinery Noise Emission Standards** Chairs: Volker Wittstock, TBC [Paper#: 223(I), 274(I), 326(I)]	15:40–17:20 **1.6.1 Aero- & Thermo-Acoustics: General** Chairs: Danielle Moreau, Cheolung Cheong [Paper#: 88(I), 101(I), 522(I), 530(I), 686(I)]
3. Panorama Room 2	Panorama Room 2	09:00–10:00 **2.3.5 Vehicle Acoustics** Chair: TBC [Paper#: 19(I), 207(I), 87(I)]	10:40–11:40 **2.3.5 Vehicle Acoustics** Chair: TBC [Paper#: 427(I), 73(I), 110(I)]	14:00–15:00 **2.3.5 Vehicle Acoustics** Chair: TBC [Paper#: 338(I), 486(O), 302(I)]	15:40–17:40 **2.1.1 Aircraft Noise: General** Chairs: Michael Bauer, TBC [Paper#: 56(I), 72(I), 149(I), 527(I), 800(I), 453(O)]
3. Panorama Room 3	Panorama Room 3	09:00–10:00 1.5.1 Signal Processing, Reproduction & Diagnostics: General Chairs: Thushara Abhayapala, Amy Bastine [Paper#: 11(I), 114(O), 412(I)]	10:40–12:00 1.5.1 Signal Processing, Reproduction & Diagnostics: General Chairs: Thushara Abhayapala, Amy Bastine [Paper#: 179(I), 180(I), 145(O), 344(I)]	14:00–15:00 1.7.3 Signal Processing & Algorithms for Noise & Vibration Control Chairs: Aimee Zhang, TBC [Paper#: 146(I), 113(O), 147(I)]	15:40–18:00 1.7.3 Signal Processing & Algorithms for Noise & Vibration Control Chairs: Aimee Zhang, TBC [Paper#: 574(I), 298(O), 755(I), 177(O), 781(I), 536(O), 816(I)]
4. City Room 1	City Room 1	09:00–10:00 2.2.2 Drone Noise Measurement, Modelling and Assessment Chairs: Antonio Torija Martinez, Siyang Zhong [Paper#: 22(I), 360(I), 396(I)]	10:40–11:40 2.2.2 Drone Noise Measurement, Modelling and Assessment Chairs: Marion Burgess, Antonio Torija Martinez [Paper#: 400(I), 466(I), 500(I)]	14:00–15:00 2.2.2 Drone Noise Measurement, Modelling and Assessment Chairs: Xin Zhang, Marion Burgess [Paper#: 327(I), 468(I), 696(I)]	15:40–17:20 2.2.2 Drone Noise Measurement, Modelling and Assessment Chairs: Antonio Torija Martinez, Xin Zhang [Paper#: 709(I), 63(I), 71(I), 262(I), 553(I)]
4. City Room 2	City Room 2	09:00–09:40 2.7.1 Noise & Impacts on biodiversity: General Chairs: Christine Erbe, TBC [Paper#: 535(I), 610(I)]	10:40–12:00 1.7.1 Active Systems for Noise & Vibration Control: General Chairs: Sipei Zhao, Woon-Seng Gan [Paper#: 10(I), 205(I), 369(I), 644(I)]	14:00–14:40 1.4.1 Vibro-acoustics & Structure-Borne Noise: General Chairs: Mahmoud Karimi, TBC [Paper#: 477(O), 531(I)]	15:40–17:40 1.7.5 Artificial Intelligence for Active Systems in Noise & Vibration Control Chairs: Yoshinobu Kajikawa, TBC [Paper#: 29(I), 52(I), 227(I), 291(I), 293(I), 456(O)]
4. City Room 3	City Room 3	09:00–10:00 3.2.1 Building Acoustics: General Chairs: Andrew Hall , Jeffrey Mahn [Paper#: 160(I), 184(I), 250(I)]	10:40–12:00 3.2.1 Building Acoustics: General Chairs: Andrew Hall , Jeffrey Mahn [Paper#: 275(I), 431(O), 649(I), 683(I)]	14:00–15:00 4.2.1 Soundscape: General Chairs: Tin Oberman, Koji Nagahata [Paper#: 621(I), 410(I), 267(O)]	15:40–17:20 4.2.1 Soundscape: General Chairs: Tin Oberman, Koji Nagahata [Paper#: 414(I), 430(I), 528(I), 679(I), 633(I)]
4. City Room 4	City Room 4	09:00–09:40 4.5.1 Education & Popularization: General Chair: TBC [Paper#: 388(I), 305(O)]	10:40–12:00 1.5.2 Signal Processing for Sound Reproduction and Spatial Audio Chairs: Qiaoxi Zhu, Wen Zhang [Paper#: 234(I), 594(I), 778(I), 806(I)]	14:00–15:00 4.1.9 Measurement Methods for Smart Cities and Noise Monitoring Chairs: Doug Manvell, Granger Bennett [Paper#: 564(O), 168(I), 617(I)]	15:40–17:40 4.1.9 Measurement Methods for Smart Cities and Noise Monitoring Chairs: Doug Manvell, Granger Bennett [Paper#: 705(I), 288(I), 512(I), 494(I), 608(I), 744(I)]

I = In-person, O = Online

Tuesday

		Morning	Mid-morning	Afternoon	Late afternoon
1. Hall F/G	Hall F/G		10:40–12:20 **3.0.0 Posters** Chairs: Marc Buret, Densil Cabrera [Paper#: 169; 323; 346; 397; 662; 663; 740]		16:00–18:00 **2.0.0 Posters** Chairs: Anthony Zander, Christine Erbe [Paper#: 42; 165; 173; 242; 254; 295; 315; 451; 465; 619; 676; 749; 769; 827]
2. Riverbank Room 2	Riverbank Room 2	09:00–10:00 **1.1.5 Acoustic & Elastic Metamaterials** Chairs: Wonju Jeon, Jose Augusto [Paper#: 132(I), 773(I), 443(I)]	10:40–12:00 **1.1.5 Acoustic & Elastic Metamaterials** Chairs: Wonju Jeon, Jose Augusto [Paper#: 616(I), 671(I), 187(O), 134(I)]	14:00–15:20 **3.2.3 Measurement and Prediction of Airborne and Impact Sound Insulation** Chairs: Youngmin Kwon, Peter Pirozek [Paper#: 303(I), 138(I), 641(I), 390(I)]	16:00–17:20 **3.2.3 Measurement and Prediction of Airborne and Impact Sound Insulation** Chairs: Youngmin Kwon, Peter Pirozek [Paper#: 104(I), 36(O), 334(I), 604(I)]
2. Riverbank Room 3	Riverbank Room 3	09:00–10:00 **3.3.1 Room Acoustics: General** Chairs: Deb James, Amanda Robinson [Paper#: 640(I), 805(I), 124(I)]	10:40–12:00 **3.3.5 Acoustics of Education Spaces** Chairs: Young-Ji Choi, Kiri Mealings [Paper#: 513(I), 670(I), 693(I), 795(I)]	14:00–15:20 **3.1.1 Urban Acoustics and Outdoor Sound Propagation: General** Chairs: Timothy Van Renterghhem, Stephen Lyons [Paper#: 25(I), 192(I), 94(I), 84(I)]	16:00–18:00 **3.1.1 Urban Acoustics and Outdoor Sound Propagation: General** Chairs: Timothy Van Renterghhem, Stephen Lyons [Paper#: 257(I), 270(I), 294(I), 459(I), 521(I), 798(I)]
2. Riverbank Room 4	Riverbank Room 4	09:00–10:00 **4.2.3 Psychological and Physiological Evaluation in Soundscape Studies** Chairs: Manish Manohare, TBC [Paper#: 18(I), 777(I), 176(I)]	10:40–11:20 **4.2.3 Psychological and Physiological Evaluation in Soundscape Studies** Chairs: Manish Manohare , TBC [Paper#: 199(I), 105(O)]	14:00–15:00 **4.2.9 Sound as a Service for Sustainable Environments** Chairs: Andy Chung, Linus Ang [Paper#: 142(I), 244(I), 269(I)]	16:00–17:20 **4.1.5 Community Response to Noise** Chairs: Norm Broner, TBC [Paper#: 695(I), 700(I), 450(O), 811(I)]
2. Riverbank Room 5	Riverbank Room 5	09:00–09:40 **4.1.1 Community Noise & Health: General** Chairs: David Welch, TBC [Paper#: 8(I), 776(I)]	10:40–11:40 **4.1.1 Community Noise & Health: General** Chairs: David Welch, TBC [Paper#: 538(I), 646(I), 260(I)]	14:00–15:20 **2.1.4 Airport Noise** Chairs: Karina Einicke, Naoaki Shinohara [Paper#: 212(I), 259(I), 280(I), 394(I)]	16:00–17:20 **2.1.4 Airport Noise** Chairs: Karina Einicke, Naoaki Shinohara [Paper#: 462(I), 562(I), 624(I), 699(I)]
2. Riverbank Room 6	Riverbank Room 6	09:00–10:00 **2.4.4 Road Traffic Noise Assessment and Modelling** Chairs: Daljeet Singh, Claudio Guarnaccia [Paper#: 523(O), 471(O), 69(I)]	10:40–12:00 **2.4.4 Road Traffic Noise Assessment and Modelling** Chairs: Daljeet Singh, Claudio Guarnaccia [Paper#: 651(I), 642(I), 736(I), 758(I)]	14:00–15:00 **3.1.6 Advances in Noise Mapping** Chairs: Ben Hinze, Gaetano Licitra [Paper#: 117(I), 474(I), 661(I)]	16:00–18:00 **1.1.1 Physical Acoustics & Elastic Waves: General** Chairs: Kostas Tsigklifis, Jamie Kha [Paper#: 831(I), 301(I), 455(O), 537(I), 599(I), 603(I)]
2. Riverbank Room 7	Riverbank Room 7	[Not allocated]	10:40–12:00 **2.6.1 Flow-induced Noise & Vibrations: General** Chairs: Carsten Spehr, Carl Howard [Paper#: 33(I), 3(O), 34(I), 95(I)]	14:00–15:40 **2.6.1 Flow-induced Noise & Vibrations: General** Chairs: Carl Howard, Carsten Spehr [Paper#: 99(I), 154(I), 487(I), 526(I), 682(I)]	16:20–18:00 **4.1.6 Acoustics of Safety** Chairs: Jeongho Jeong, Glenn Leembruggen [Paper#: 685(I), 706(I), 785(I), 786(I), 787(I)]
2. Riverbank Room 8	Riverbank Room 8	09:00–09:40 **4.1.4 Environmental Impact Assessment** Chairs: Norm Broner, Arvind Deivasigamani [Paper#: 271(I), 734(I)]	10:40–11:40 **1.4.2 Numerical Methods in Vibro-acoustics** Chairs: Jamie Kha, Kostas Tsigklifis [Paper#: 204(I), 478(O), 688(I)]	14:00–15:20 **3.4.4 Measurements and Characterization Methods for Acoustical Materials** Chairs: Shanjun Liang , Long Chen [Paper#: 365(I), 420(I), 491(I), 577(I)]	16:00–17:40 **3.4.4 Measurements and Characterization Methods for Acoustical Materials** Chairs: Shanjun Liang , Long Chen [Paper#: 656(I), 672(I), 697(I), 681(I), 698(I)]
3. Panorama Room 1	Panorama Room 1	09:00–10:20 **2.3.9 Vibration from Ground Transportation: Sources and Propagation** Chairs: Aaron Miller, Kym Burgemeister [Paper#: 464(I), 506(I), 799(I), 752(I)]	11:00–12:20 **1.3.6 Data-driven and Machine Learning Methods for Modeling and Design in Acoustics & Vibration** Chairs: Shahrokh Sepehrirahnama, Claus Claeys [Paper#: 198(I), 191(I), 328(I), 760(I)]	14:00–15:20 **1.2.1 Measurement Methods: General** Chairs: Wan-Ho Cho, Con Doolan [Paper#: 27(I), 64(I), 423(I), 439(I)]	16:20–17:40 **1.2.1 Measurement Methods: General** Chairs: Wan-Ho Cho, Con Doolan [Paper#: 441(I), 497(I), 520(I), 615(I)]
3. Panorama Room 2	Panorama Room 2	09:00–10:20 **3.3.4 Acoustics of Performing Arts and Listening Spaces** Chairs: Thomas Scelo, Jose Augusto [Paper#: 153(I), 408(I), 546(I), 826(I)]	11:00–12:00 **4.4.3 Vibration and Acoustic Measurements of Musical and Sound Sources** Chairs: Will Robertson, TBC [Paper#: 1(I), 635(I), 815(I)]	14:00–15:20 **3.3.4 Acoustics of Performing Arts and Listening Spaces** Chairs: Thomas Scelo, Jose Augusto [Paper#: 557(I), 573(I), 675(I), 552(I)]	16:20–18:00 **3.2.9 Sound Insulation of Facades and Facade Elements** Chairs: Lars Sommer Søndergaard, Chiara Scrosati [Paper#: 78(I), 738(I), 728(I), 751(I), 545(I)]

Tuesday

		Morning	Mid-morning	Afternoon	Late afternoon
3. Panorama Room 3	Panorama Room 3	09:00–10:20 **1.5.1 Signal Processing, Reproduction & Diagnostics: General** Chairs: Thushara Abhayapala, Amy Bastine [Paper#: 822(I), 422(O), 139(I), 719(I)]	11:00–12:00 **1.4.4 Vibration and Acoustics in Pipeline Monitoring: Advances in Leak Detection** Chairs: Ben Cazzolato, TBC [Paper#: 282(I), 563(I), 643(I)]	14:00–15:40 **1.2.6 Tone Definition and Evaluation** Chairs: Doug Manvell, Lars Sommer Søndergaard [Paper#: 40(I), 739(I), 754(I), 534(I), 707(I)]	16:20–17:40 **1.3.3 Acoustics and Vibration modeling of Electrical Machines** Chairs: Will Robertson, TBC [Paper#: 399(I), 653(I), 674(I), 710(I)]
4. City Room 1	City Room 1	09:00–10:20 **3.1.2 Urban Sound Propagation** Chairs: Timothy Van Renterghhem, Marc Buret [Paper#: 97(I), 148(I), 561(I), 622(I)]	11:00–12:00 **2.7.4 Ecoacoustics and Analysis of Soundscape** Chairs: Jesse Budel, TBC [Paper#: 401(I), 590(I), 703(I)]	14:00–15:40 **3.2.8 Low-carbon Acoustic Treatments and Design Solutions** Chairs: Deb James, Amanda Robinson [Paper#: 55(I), 232(I), 245(I), 514(I), 782(I)]	16:20–17:20 **4.2.6 Innovative and Multisensory Approaches in Soundscape Studies** Chairs: Tin Oberman, Koji Nagahata [Paper#: 437(I), 629(O), 712(I)]
4. City Room 2	City Room 2	09:00–10:20 **4.3.3 Product Sound Quality** Chairs: Yu Huang, Seonghyeon Kim [Paper#: 197(I), 208(I), 568(O), 434(I)]	11:00–12:20 **1.7.2 Hybrid Active-Passive Systems for Noise & Vibration Control** Chairs: Jiaxin Zhong, Jing Lu [Paper#: 39(I), 319(I), 325(I), 598(I)]	14:00–15:40 **1.4.6 Passive Control of Noise & Vibration Using Acoustic Black Hole Effect** Chairs: Shahrokh Sepehrirahnama, Adrien Pelat [Paper#: 485(I), 525(I), 791(I), 803(I), 830(O)]	16:20–17:40 **1.3.7 Acoustic Design using Optimization Methods** Chairs: Tongyang Shi, Yangfan Liu [Paper#: 120(I), 129(I), 155(I), 164(I)]
4. City Room 3	City Room 3	09:00–10:20 **1.2.2 Microphone and Loudspeaker Array Techniques** Chairs: Yusuke Hioka, TBC [Paper#: 24(I), 68(I), 85(I), 111(I)]	11:00–12:00 **1.2.2 Microphone and Loudspeaker Array Techniques** Chairs: Yusuke Hioka, TBC [Paper#: 248(I), 279(I), 582(I)]	14:00–15:40 **3.3.2 Measurement and Prediction of Sound Absorption in Reverberation Rooms** Chairs: John Davy, Chiara Scrosati [Paper#: 80(I), 219(O), 290(I), 589(I), 597(I)]	16:20–18:00 **4.3.6 Perception and Sound Design for Electric Vehicles** Chairs: Christina Kirsch, Katsuya Yamauchi [Paper#: 498(I), 314(O), 632(I), 585(O), 650(I)]
4. City Room 4	City Room 4	**[Not allocated]**	10:40–12:20 **4.3.7 Psychological Evaluation of Transportation Noise: Train, Aircraft, and Road Traffic Noise** Chairs: Yu Huang, Katsuya Yamauchi [Paper#: 131(O), 482(I), 352(O), 591(I), 770(I)]	14:00–15:20 **4.4.1 Art, Music & Science: General** Chairs: Stephen Whittington, TBC [Paper#: 66(I), 136(I), 235(O), 480(I)]	16:20–18:00 **4.6.1 Noise Control & Social Sciences: General** Chairs: Tim Trewin, James Mcintosh [Paper#: 14(I), 96(I), 385(I), 501(I), 665(I)]

Wednesday

		Morning	Mid-morning	Afternoon
1. Hall F/G	Hall F/G		10:20–12:00 **1.0.0 Posters** Chair: Mahmoud Karimi [Paper#: 81; 91; 166; 206; 263; 268; 330; 361; 405; 490; 592; 638]	
2. Riverbank Room 2	Riverbank Room 2	08:40–10:00 **3.4.3 Acoustic Multi-dynamic Materials and Metamaterials** Chairs: Liangzhou Wang , Long Chen [Paper#: 356(I), 620(I), 363(I), 358(I)]	10:40–11:40 **3.4.3 Acoustic Multi-dynamic Materials and Metamaterials** Chairs: Liangzhou Wang , Long Chen [Paper#: 424(I), 556(I), 436(I)]	14:00–15:00 **3.4.3 Acoustic Multi-dynamic Materials and Metamaterials** Chairs: Liangzhou Wang , Long Chen [Paper#: 540(I), 721(I), 660(I)]
2. Riverbank Room 3	Riverbank Room 3	08:40–09:40 **3.2.5 Addressing Noise and Vibration Problems in Buildings** Chairs: Volker Wittstock, TBC [Paper#: 251(I), 458(I), 580(I)]	10:40–12:00 **3.2.5 Addressing Noise and Vibration Problems in Buildings** Chairs: Volker Wittstock, TBC [Paper#: 368(I), 605(I), 784(I), 509(I)]	14:00–15:40 **1.7.4 New Applications of Active Control** Chairs: Chang Cheng-Yuan, TBC [Paper#: 143(I), 144(I), 333(I), 355(I), 570(I)]
2. Riverbank Room 4	Riverbank Room 4	08:40–10:00 **4.1.7 Noise and Health in Children** Chairs: Jan Spilski, Kanako Ueno [Paper#: 182(I), 461(I), 560(I), 366(I)]	10:40–12:00 **4.1.7 Noise and Health in Children** Chairs: Jan Spilski, Kanako Ueno [Paper#: 21(I), 449(O), 701(I), 702(I)]	14:00–15:20 **1.3.5 Artificial Intelligence and Machine Learning for Diagnosis in Acoustics & Vibration** Chairs: Adrian Morris, TBC [Paper#: 209(O), 659(I), 741(I), 768(I)]
2. Riverbank Room 5	Riverbank Room 5	08:40–10:00 **2.4.3 Wind Turbine Noise** Chairs: Stefan Jacob, Tom Evans [Paper#: 185(I), 609(I), 634(I), 825(I)]	10:40–12:00 **2.3.6 Railway Noise & Vibration** Chairs: Aaron Miller, Briony Croft [Paper#: 128(I), 722(I), 407(I), 102(I)]	14:00–15:20 **2.3.6 Railway Noise & Vibration** Chairs: Linli Zhang, Xiaozhen Sheng [Paper#: 415(I), 730(I), 402(I), 266(I)]
2. Riverbank Room 6	Riverbank Room 6	08:40–10:00 **4.2.7 Soundscapes from the Perspective of Arts/Human Sciences** Chairs: Nazli Bin Che Din, TBC [Paper#: 41(I), 43(I), 44(I), 767(I)]	10:40–12:00 **2.3.7 Noise Barriers and Noise Mitigation Methods** Chairs: Jean-Pierre Clairbois, Massimo Garai [Paper#: 231(I), 103(I), 167(I), 228(I)]	14:00–15:40 **2.3.7 Noise Barriers and Noise Mitigation Methods** Chairs: Daljeet Singh, Massimo Garai [Paper#: 484(I), 230(O), 343(I), 30(I), 775(I)]
2. Riverbank Room 7	Riverbank Room 7	08:40–10:00 **2.5.3 Underwater Acoustic Propagation** Chairs: Stephen Chang, TBC [Paper#: 283(I), 292(I), 452(I), 735(I)]	10:40–12:00 **2.5.2 Underwater Marine System Noise Radiation and Control** Chairs: Xia Pan, Ming Jin [Paper#: 77(I), 109(O), 175(I), 612(I)]	14:00–15:40 **2.3.3 Acoustic Properties of Road Pavements** Chairs: Paul Donavan, Ulf Sandberg [Paper#: 727(I), 406(O), 802(I), 296(O), 810(I)]
2. Riverbank Room 8	Riverbank Room 8	**[Not allocated]**	10:20–12:00 **2.4.1 Industrial Noise & Vibration: General** Chairs: Ali Ahmadi, Tim Trewin [Paper#: 9(I), 38(I), 57(I), 125(I), 539(I)]	14:00–15:20 **2.4.1 Industrial Noise & Vibration: General** Chairs: Tim Trewin, Xueying Xu [Paper#: 745(I), 321(O), 789(I), 243(O)]
3. Panorama Room 1	Panorama Room 1	08:40–09:40 **1.2.1 Measurement Methods: General** Chairs: Wan-Ho Cho, Con Doolan [Paper#: 737(I), 783(I), 832(I)]	10:20–12:00 **2.1.3 Aircraft Exterior Noise** Chairs: Michael Bauer, TBC [Paper#: 28(I), 348(I), 395(I), 469(O), 677(I)]	14:00–15:40 **1.3.1 Modeling & Simulation Techniques: General** Chairs: Elke Deckers, Massimo Garai [Paper#: 255(I), 559(I), 690(I), 708(I), 763(I)]
3. Panorama Room 2	Panorama Room 2	08:40–09:40 **4.3.5 Sound Design** Chairs: Seonghyeon Kim, Yu Huang [Paper#: 202(I), 664(I), 746(I)]	10:20–11:40 **2.2.4 Noise Impact and Control for Low-Altitude Aviation** Chairs: Siyang Zhong, Peng Zhou [Paper#: 492(O), 503(I), 518(I), 732(I)]	14:00–15:00 **2.2.4 Noise Impact and Control for Low-Altitude Aviation** Chairs: Peng Zhou, Siyang Zhong [Paper#: 372(I), 373(I), 378(I)]
3. Panorama Room 3	Panorama Room 3	08:40–09:40 **4.1.3 Sound Driven Place Making and Urban Planning** Chairs: Jesse Budel, Luigi Maffei [Paper#: 48(I), 253(O), 98(I)]	10:20–11:40 **4.1.3 Sound Driven Place Making and Urban Planning** Chairs: Jesse Budel, Luigi Maffei [Paper#: 384(I), 425(I), 519(I), 544(I)]	14:00–15:00 **3.2.4 Structure-borne Sound and Equipment Noise in Buildings** Chairs: Siu-Kit Lau, TBC [Paper#: 258(I), 626(I), 639(I)]

Oral Presentations

Monday 10 August

1.4.3 Experiments in Vibro-acoustics

Room: 2. Riverbank Room 6
Time: 09:00–10:00
Session Chairs: Stephen Moore; Shahrokh Sepehrirahnama

Time	Paper no. (I/O)	Paper Title
09:00	54(I)	Homogenized Material Modeling of Anisotropic Composite Discs: An Integrated Experimental–Numerical Approach *Michal Kozupa, Mostafa Barzegar, Jadwiga Hyla*
09:20	307(I)	System Model Based Virtual Development Process for PE Structure-Borne Noise *Sangyoung Park, Yeon June Kang, Jeong Min Nam, Dirickx Tom*
09:40	764(I)	Curtain Wall Flanking Paths: Insights from Vibration Measurements *Ben White*

1.5.1 Signal Processing, Reproduction & Diagnostics: General

Room: 3. Panorama Room 3
Time: 09:00–12:00
Session Chairs: Thushara Abhayapala; Amy Bastine

Time	Paper no. (I/O)	Paper Title
09:00	11(I)	Measurement of acoustic sensitivity of automotive drum brake to multiple faults *Milind Shripad, Akash Yella, Sriram Sundar*
09:20	114(O)	Physics-Informed Auralization of Vehicle Noise from 1/3 Octave Bands via Iso-energetic Harmonic Sharpening *Yuyang Zhang*
09:40	412(I)	Acoustic-Based Quality Inspection for Automotive Harness Assembly Using Hierarchical Event Detection *Duo Li, Xu Zheng*
10:40	179(I)	Probabilistic Reconstruction of Spatiotemporal Sound Field from Rigid Spherical Microphone Array Measurements *Peihong Jiang, Zhigang Chu*
11:00	180(I)	Uncertainty-aware sound field estimation using physics-informed Kolmogorov-Arnold networks *Yanli Liu, Zhigang Chu*
11:20	145(O)	Personalized Speech Enhancement Using Sub-Band Processing and Constrained-Gain Noise Reduction *Qi-Lin Han, Fan-Jie Kung, Yu-He Lin*
11:40	344(I)	Array-Centric Inverse Image Source Model for Off-Grid Source Localization with Compact Acoustic Vector Sensor Arrays *Jun Zhang*

1.6.1 Aero- & Thermo-Acoustics: General

Room: 3. Panorama Room 1
Time: 09:00–17:20
Session Chairs: Danielle Moreau; Cheolung Cheong

Time	Paper no. (I/O)	Paper Title
09:00	47(I)	Study of a Herschel-Quincke tube : effects of the branch pipe diameter to the sound transmission loss *Terdphong Chauykaew, Alexander Brezing, Khemapat Tontiwattanakul*
09:20	82(I)	Unit-to-System Transmission Prediction and Spacing Design for Ducts with Multiple Side-Branch Resonators *Jinze Li, Li Cheng*
09:40	170(I)	Direct aeroacoustic analysis of louvers using the lattice Boltzmann method *Kisho Hatakenaka, Kazuya Kusano, Koji Shimoyama*
10:40	689(I)	Multi-Chamber Air-Suspension Flow-Induced Noise: Integrated CFD–FE Simulation and Experimental Validation under Speed-Bump Excitation *Yonguk Lee, Gwongi Lee, Cheolung Cheong, Janghyun Oh, Bongkeun Choi*
11:00	766(I)	Acoustic Response of Bias-Flow Perforated Screens: An Incompressible Flow Approach *You Wei Ho, Long Wu, Edward Richardson*
11:20	45(I)	Tonal Noise Prediction Model for Vertical-Axis Wind Turbines *Baqer Alkuraysi, Charitha de Silva, Danielle Moreau, Con Doolan*

11:40	391(I)	High-order Cartesian LES of rotor-stator aeroacoustics based on an efficient volume penalization method *Sinforiano Cantos, Siyang Zhong*
15:40	88(I)	Experimental Investigation of Tip Clearance Noise from a NACA 0012 Blade *Andre Vumbaca, Manuj Awasthi, Charitha de Silva, Danielle Moreau, Con Doolan*
16:00	101(I)	Aeroacoustic Characterization and Experimental Validation of a Multi-Blade Centrifugal Range Hood using a Hybrid CFD-BEM Approach *Li Wang, Zhihua Wang, Ben Zhang, Wenjun Wu*
16:20	522(I)	Effects of Rotor Unbalance on Noise and Vibration Characteristics in a Ducting System *Chengyang Wang, Siji Wang, Yat-Sze Choy*
16:40	530(I)	Noise Radiation from Tip Leakage Flows under a Streamwise Adverse Pressure Gradient *Manuj Awasthi, Tingyi Zhang, Andre Vumbaca, Con Doolan, Danielle Moreau*
17:00	686(I)	Aerodynamic Noise Characterization of a High-Speed Hair Dryer System Using High-Fidelity Computational AeroAcoustic Methods *Junmo Lee*

2.2.2 Drone Noise Measurement, Modelling and Assessment

Room: 4. City Room 1
Time: 09:00–17:20
Session Chairs: Antonio Torija Martinez; Siyang Zhong

Time	Paper no. (I/O)	Paper Title
09:00	22(I)	Time-averaged and instantaneous broadband noise characteristics of UAV propellers *Jiaying Liu, Michael Kingan, Huachen Zhu, Xianghao Kong, Jin Xuan Teh*
09:20	360(I)	Aeroacoustic characteristics of a small-scale rim-driven thruster Teng Zhou, Boxi Li
09:40	396(I)	Aerodynamic and acoustic analysis of asymmetric rotors with anti-phase trailing edges *Inkyu Kweon, Sunwoong Kim, Gyungjoo Ban, Jeongwoo Ko*
10:40	400(I)	Machine Learning based efficient rotor noise prediction *Jiahua He, Zhicheng Zhang, Qichen Tan, Peng Zhou, Xin Zhang*
11:00	466(I)	Near-field-informed prediction of far-field acoustic directivity for multi-rotor UAV systems *Yuqi Xiao, Zhicheng Zhang, Jiahua He, Hongsen Bao, Yuzhe Dun, Qichen Tan, Peng Zhou*
11:20	500(I)	On the tonal noise produced by a propeller operating upstream of a porous strut *Huachen Zhu, Michael Kingan, Xianghao Kong*
14:00	327(I)	Influence of Duct Lip Rib Design on Rotor Aerodynamic Noise *Guoming Deng, Zhengwei Ma*
14:20	468(I)	Assessing the Effect of Maximum Take-Off Weight on Drone Noise Emission and Community Noise Impact *Antonio J Torija Martinez, Nathan Greeen, Carlos Ramos-Romero*
14:40	696(I)	Noise Characterization of Multi-Rotor UAS: Outdoor Field Measurements and Analysis *Zhida Ma, Zhenjun Peng, Runzhen Cao, Nick Shum, Guangsheng Liu, Jiahua He, Peng Zhou*
15:40	709(I)	Study on Aircraft Noise Calculation Model for Helicopters and Advanced Air Mobility *Toshiyasu Nakazawa, Naoaki Shinohara*
16:00	63(I)	Delivery drone swarm simulations and why flight path optimisation by noise metrics may not work *Michael Bauer*
16:20	71(I)	Delivery Drone Impacts on Communities: Forecasting Noise Exposure in Adelaide, Australia *Ryan S. Mckay, Nicholas Henrys, Darren Jurevicius*
16:40	262(I)	Evaluation of eVTOL Noise and Community Annoyance for Urban Air Mobility Integration *Ho Ting Ng, Xinyao Chen, Po Lai Tam, Henry Chan, Kin Che Lam, Chi Wing Law, Ka Wai Chan*
17:00	553(I)	Systematic review of drone noise effects *Joel Li, Brett Molesworth, Marion Burgess*

2.3.5 Vehicle Acoustics

Room: 3. Panorama Room 2
Time: 09:00–15:00
Session Chairs: TBC; TBC

Time	Paper no. (I/O)	Paper Title
09:00	19(I)	Virtual multi-attribute balancing calibration for NVH optimization in electric powertrain systems *Ki Hwa Lee, Sebastian Ciceo, Lokesh Gorantla*
09:20	207(I)	A method for multi-dimensional driving condition recognition in vehicle NVH using integrated high-precision raw data analysis and speed separation *Tao Wang, Zhien Liu, Wan Chen, Chihua Lu, Menglei Sun*
09:40	87(I)	Parameterized Tire Model Development and Novel Characterization of Tire Mode Shapes for NVH Analysis *Jin Hong Kim, Hyunyoung Lee, Hoyoung Uhm, Marc Brughmans, Anneleen von Gils*
10:40	427(I)	Assessment of BSR noise in a Vehicle Cabin and Its Prevention method *Su-hyun Shin, Dong Hun Park, Hwan Chul Yu, Seok Ho Oh*
11:00	73(I)	Development of a Test Method for Door Trim BSR under Rapid Thermal Shock *Mikwon Jeong, Jongsoo Kim*
11:20	110(I)	A Study on the AI Model for Predicting the Natural Frequency of Knuckle System Using Image *Ilsoo Jeong, Sungho Kang, Jin Hong Kim*
14:00	338(I)	Design analysis and optimization for noise reduction of external rotor in-wheel motor *Lei Chen, Xian Wu, Jianwang Shao*
14:20	486(O)	Experimental Monitoring and Modelling of the Dynamic and Acoustic Behavior of a Motorcycle with Engine Displacement Above 250 cm3 *Miguel Santos, Paulo Fernandes, Antonio Pascale*
14:40	302(I)	Influence of Engine Speed Time History on Subjective Engine Noise Perception Across Different Driving Environments *Shinichi Suganuma, Shimpei Nagae, Takeshi Toi*

2.3.6 Railway Noise & Vibration

Room: 2. Riverbank Room 5
Time: 09:00–17:40
Session Chairs: Aaron Miller; Briony Croft

Time	Paper no. (I/O)	Paper Title
09:00	196(I)	Prediction of Low Frequency Vibration Propagation from Operating Rail Tunnels *Bill Dawson, David Timms, David Larner, Graham Brown*
09:20	337(I)	Experimental Analysis of the Influence of Base Elastic Cushions Thickness on Environmental Vibration Control Effect in Buildings Adjacent to Railway *Qin'e Zeng, Yubin Wu, Ruixiang Song, Jing Zhang, Yanan Wu, Lei He, Qin'e Zeng*
09:40	507(I)	Vibration and noise testing and analysis of buildings over a metro station – a case study *Lei He, Ruixiang Song, Yubin Wu, Dan Wu, Qin'e Zeng*
10:00	273(I)	Acoustic Effect of Platform Screen Doors: A Case Study of İMES Metro Station, Istanbul *Burak Ayva, Ali Sercan Kesten, Samuel Wong, Beau Daniel Weyers*
11:00	35(O)	Study on the external aerodynamic characteristics of 160 km/h high-speed train based on the LBM *Jiankun Xie, Minkai Pan, Cheng Zhu, Haiju Wei, Liang Fu, Haibin Lai, Qi Li*
11:20	133(O)	Assessment of Chinese Speech Intelligibility in High-Speed Train Interiors at Operating Speeds up to 400 km/h *Yihang Yu, Zongcai Liu, Xiaoyang Gao, Xudong Liu*
11:40	554(I)	Approaching Structure-Borne Railway Noise with Embedded Elastic Elements in Slab Track: In-Track Performance and Isolation Design Strategies *Hayagreeve Raman*
14:00	380(I)	Preliminary Nord2000 noise results for Queensland NGR trains *Asbjorn Hansen*
14:20	548(I)	Railway Noise Prediction based on Noise Source Identification and Acoustic Transfer Function with Point Noise Source *Tsugutoshi Kawaguchi, Toki Uda, Yosuke Hachiya*

14:40	393(I)	Environmental Noise Characteristics of Freight, Conventional and High-Speed Trains on an Indian Rail Corridor *Anand Priy, Anil Kumar, Manoranjan Parida*
15:00	342(I)	Measurement-based noise prediction and control for urban interstitial sites exposed to bidirectional railway traffic *Yiquan Xu, Xiaodong Sha, Hequn Min, Yajing Di, Jushang Wang, Songyuan Ma, Yun Yang*
16:00	542(I)	Effects of Incoming Turbulence on Aerodynamic Noise Generated in a High-Speed Train Bogie Cavity Under Wind-Tunnel Flow Conditions *Hideo Fukuyama, Tatusya Tonai, Toki Uda*
16:20	76(I)	Ground-borne Noise and Vibration Commissioning Studies for the Sydney Metro's City Alignment *Neil Mackenzie, Moharis Kamis, Gabriel McGrane*
16:40	75(I)	Track-form Optimisation for In-Tunnel and In-Car Noise Control *Neil Mackenzie, Moharis Kamis*
17:00	779(I)	Influence of dynamic stiffness on the acoustic absorption of railway ballast as a poro-elastic medium *Xianying Zhang, Xiaoqing Hou, David Thompson, Giacomo Squicciarini*
17:20	467(I)	A proposed validation methodology for digital acoustic twins of underground tunnels *Shahrokh Sepehrirahnama, Paul Williams, Aaron Miller, Briony Croft, Jorge Reverter, Jeffrey Parnell, Mahmoud Karimi*

2.4.2 Industrial Noise Control

Room: 2. Riverbank Room 7
Time: 09:00–12:20
Session Chairs: Ali Ahmadi; Xueying Xu

Time	Paper no. (I/O)	Paper Title
09:00	499(I)	Audible corona discharge noise from a 132 kV transmission line: insulator-design comparison from continuous unattended monitoring *Gurkirat Singh, Tom Evans, Darren Jurevicius*
09:20	284(O)	Research on Low-Frequency Abnormal Sound Identification Method for Substation Equipment Based on Spherical Microphone Array Fusing B-CLEAN-SC and Sparse Sampling *Jian Zhou, Hongjun Shi, Haoyang Tian, Wei Peng, Mingyu jin, Xinye wu*
09:40	359(I)	Transformer noise reduction after retrofilling mineral oil with natural/synthetic ester liquids *Feipeng Wang, Ruifeng Wang, Zhiqiang Huang, Kevin James Rapp*
11:00	317(O)	A Temporal Attention-Based Method for Remaining Useful Life Prediction of Rolling Bearings *Yuchen Guo, Chunqiu Tang, Yongsheng Yu*
11:20	428(O)	A Method for Wind Turbine Bearing Fault Diagnosis for Edge Deployment *Haowei Dong, Chunqiu Tang, Yongsheng Yu*
11:40	593(I)	Programmable Microperforated Panel Coupled with Panel Resonators Incorporating Helmholtz Neck Absorbers for Low-Frequency Industrial Noise Mitigation *Zihao Xiong, Wai Yeen Yeang, Dunant Halim, Xiaosu Yi, Nai Yeen Gavin Lai*
12:00	252(O)	A Sound Field Prediction Method for Complex Barriers Using Physics-Informed Graph Neural Networks *Xinyuan Cui, Fucai Hu, Yongsheng Yu*

2.7.1 Noise & Impacts on biodiversity: General

Room: 4. City Room 2
Time: 09:00–09:40
Session Chairs: Christine Erbe; TBC

Time	Paper no. (I/O)	Paper Title
09:00	535(I)	Grey-Headed Flying Fox (GHFF) – Assessing Noise Impacts to and from GHFF Colonies *Desmond Raymond, Camilo Castillo*
09:20	610(I)	From science to policy: Preventing the harmful effects of anthropogenic noise on biodiversity *Dick Botteldooren, Timothy Van Renterghem, Micheal Wood, Camila Palhares Teixeira, Vinícius Donisete Lima Rodrigues Goulart, Catherine Barnett, Hendrik Schoukens*

3.2.1 Building Acoustics: General

Room: 4. City Room 3
Time: 09:00–12:00
Session Chairs: Andrew Hall; Jeffrey Mahn

Time	Paper no. (I/O)	Paper Title
09:00	160(I)	Atlantic Science Enterprise Centre (ASEC), Moncton Canada (Case Study) *Amanda Robinson*
09:20	184(I)	Numerical and experimental study on low-frequency sound reduction using a pipe array absorber in a small room *Tetsushi Suzuki, Tetsuya Sakuma*
09:40	250(I)	Evaluation of the impact changes to dimensions and mounting options have on the acoustic performance baffle arrays. *Robert Jones*
10:40	275(I)	Acoustic Design of ETFE Roofed, Naturally Ventilated Stadia *Moharis Kamis, Abeer Ahmed, Neil Mackenzie*
11:00	431(O)	BIM-Supported Acoustic Simulation Workflows: A Diagnostic Analysis of Professional Practice in Brazil *Maria Fernanda Pinheiro Assunção, Mariane Garcia Unanue, Rodrigo de Almeida Spinelli Pinto*
11:20	649(I)	Sound Leakage Through Openings and Fittings *Michael Hayne, Andrew Steel, Richard Devereux*
11:40	683(I)	Beyond CAC: A Component-Based Specification Framework for Asymmetric Suspended-Ceiling Fit-outs *Richard Latimer, Daniel Natoli*

3.3.5 Acoustics of Education Spaces

Room: 2. Riverbank Room 3
Time: 09:00–12:20
Session Chairs: Young-Ji Choi; Kiri Mealings

Time	Paper no. (I/O)	Paper Title
09:00	59(I)	Speech intelligibility in active Korean classrooms *Young-ji Choi*
09:20	60(I)	A research synthesis of the effect of the classroom environment on listening, learning, and wellbeing applying the L3 Assessment Framework *Aniebietabasi Ackley, Kiri Mealings, Steph Watts-Pointer*
09:40	*67(I)*	*Event-Based Noise Disturbance and Perceived Cognitive Load in Academic Learning Spaces* *Hansraj Gautam, Bhanu Chaudhary, Bhaven Tandel*
10:00	171(I)	Reverberation in classroom environments may be sufficient to reduce binaural benefits for speech perception for CI users *Justin Aronoff, Prajna BK, Itunu Oyebamiji, Josephine LaPapa, Z. Ellen Peng*
11:00	354(I)	Improved classroom voice support from focusing retroreflectors: effects of number and arrangement *Chang Hyok Cha, Densil Cabrera, Shuai Lu*
11:20	229(O)	Acoustic optimization of a curved stepped lecture hall: numerical prediction and field validation at HKUST (Guangzhou) *Weihong Xu, Jun Peng, Hongwei Wang*
11:40	483(O)	Study on the Spatial Uniformity of Speech Intelligibility in a Large-Scale University Lecture Hall Based on Ray Tracing Simulation *Hongwei Wang, Wei Sun, Enhe Wu*
12:00	473(I)	First steps towards processing and interpreting the largest classroom acoustics dataset to date *James Whitlock, Aniebietabasi Ackley, Steph Watts-Pointer, Renelle Gronert*

3.3.7 Computational Tools for Room Acoustics Prediction

Room: 2. Riverbank Room 4
Time: 09:00–10:00
Session Chairs: Shuai Lu; Shenzzi Su

Time	Paper no. (I/O)	Paper Title
09:00	137(I)	A fundamental study on absorption boundary conditions and arbitrary geometries in the time-domain element-free Galerkin method for room acoustic analysis *Jun Sasaoka, Keiji Kawai*
09:20	277(I)	Directional source modeling for wave-based room acoustic simulations with frequency-domain FEM *Takumi Yoshida, Mads Jensen*
09:40	547(I)	Genetic Algorithm–Based Optimisation of Absorption Coefficients for the Calibration of Measured vs Simulated Room Impulse Responses *Daniel Castro*

3.4.1 Materials & Passive Treatments: General

Room: 2. Riverbank Room 8
Time: 09:00–12:00
Session Chairs: Yat Sze (Tracy) Choi; Tim Trewin

Time	Paper no. (I/O)	Paper Title
09:00	83(I)	Optimization of TPMS structures for broadband sound absorption *Xueying Guan, Just Herder, Jieun Yang*
09:20	374(I)	Tunable Porous Acoustic Metamaterials Inspired by Natural Pattern Formation *Kara Hardy, Bhisham Sharma*
09:40	181(I)	Effects of surface coatings on the sound absorption and impact damage of yakisugi, traditional Japanese charred cedar *Akiko Sugahara, Yasuhiro Hiraguri, Kentaro Okamura*
10:00	203(I)	Effects of Hydrostatic Pressure on Perforated Viscoelastic Composites Containing Shelled Microspheres *Van Tan Truong, Stephen Burke, Ian MacGillivray*
11:00	329(I)	Research and Application of Labyrinthine Acoustic Metamaterials Based on Bionic Design *Jindi Fan, Jindi Fan, Zhiwei Guo*
11:20	100(I)	Enhanced low-frequency absorption of the perforated panel with tube bundles with granular activated carbon *Zhongjian Mei, Peng Deng, Tongyang Shi*
11:40	774(I)	Oblique-Incidence Transmission Simulations of Isotropic Acoustic Bandgaps in Finite-Thickness Gyroid Structures *Takumi Yano, Akiko Sugahara, Yasuhiro Hiraguri*

3.4.3 Acoustic Multi-dynamic Materials and Metamaterials

Room: 2. Riverbank Room 2
Time: 09:00–12:20
Session Chairs: Liangzhou Wang; Long Chen

Time	Paper no. (I/O)	Paper Title
09:00	53(I)	Design of a hybrid sonic black hole absorber by using shunt loudspeaker *Qibo Mao*
09:20	92(I)	Programmable double layer acoustic panel for acoustic focusing *Liangzhou Wang, Liangfen Du*
09:40	306(O)	Shape Optimization of Periodic Decreasing Hole Profiles for Enhanced Broadband Sound Absorption in Porous Materials *Zacharie Laly, Raymond Panneton, Kevin Verdière*
10:00	86(I)	Improved lightweight floor insulation with granular material infill *Yousif Badri, George Dodd, John Edward Cater, Gian Schmid, Grant Emms, Andrew Hall*
11:00	62(I)	An environmentally friendly ventilated meta-barrier for noise reduction and sustainable soundscapes *Yuwei Xu, Jie Zhu, Zhongming Gu*
11:20	345(O)	Impedance-gradient waveguide silencer for ventilated broadband noise control *Yuchen Zhao, Hequn Min, Houcang Tian, Ruiyi Zhang, Wenxiang Li*
11:40	218(I)	Development of Advanced Acoustic Metamaterial in Construction Noise Management in Hong Kong *Yat Ken Lam, Mei Chi Wong, Huimin, Selena Yang, Ka Wai Chan, Chi Wing Law, Ho Yiu Mak, Songwen Xiao*
12:00	351(I)	Spatial optimization of multi-sized acoustic black hole arrays for enhanced sound insulation *Qifeng Wu, Hequn Min, Xiao Wen, Hui Zhang, Houcang Tian*

4.5.1 Education & Popularization: General

Room: 4. City Room 4
Time: 09:00–09:40
Session Chairs: TBC; TBC

Time	Paper no. (I/O)	Paper Title
09:00	388(I)	Research through design: investigating acoustic thinking in design education *Mathew Garland, Jeffrey Hannam*
09:20	305(O)	Teaching Expanded Listening: Strategies, Resources, and Outcomes *Lindsey French*

1.5.2 Signal Processing for Sound Reproduction and Spatial Audio

Room: 4. City Room 4
Time: 10:40–12:00
Session Chairs: Qiaoxi Zhu; Wen Zhang

Time	Paper no. (I/O)	Paper Title
10:40	234(I)	An alternative format for 3D sound recording *Mark Poletti*
11:00	594(I)	AmbDiff: 3D Ambisonics Sound Field Reconstruction from Partial Pressure using a Diffusion Transformer *Bing Zhu, Yichen Yang, Xueqin Luo, Yang Xiao, Wen Zhang, Jingdong Chen*
11:20	778(I)	Direction-preserving Spatial Audio Signal Enhancement in The Spherical Harmonic Domain *Huawei Zhang, Aimee Zhang, Huiyuan Sun, Prasanga Samarasinghe*
11:40	806(I)	HRTF individualization method based on combinatorial optimization *Mayumi Kakuno, Shota Toyooka, Yoshinobu Kajikawa*

1.7.1 Active Systems for Noise & Vibration Control: General

Room: 4. City Room 2
Time: 10:40–12:00
Session Chairs: Sipei Zhao; Woon-Seng Gan

Time	Paper no. (I/O)	Paper Title
10:40	10(I)	Calmfloor Active Mass Damper (AMD) Vibration Control *Pablo Reboredo Gasalla*
11:00	205(I)	Pretrained RPM-Scheduled Feedforward Control for Engine Order Noise *Yushu Qian, Xu Zheng, Xuexian Liu, Wenxuan Xu, Zhicheng Zhang*
11:20	369(I)	A Comparative Subjective Evaluation of Perceived Comfort and Listening Effort: Open vs. Closed-Fitting Earbud Architectures *Zhen Ting Ong, Santi Peksi, Tsunoda Naotaka, Woon-Seng Gan*
11:40	644(I)	A Parameter Identification Active Bearing Control Framework for Lateral Vibration Suppression in Rotor Systems *Tingyu Lin, Dunant Halim, Zhuang Xu, Thein Chung Ket*

2.6.3 Computation methods in Flow-induced Noise & Vibration

Room: 2. Riverbank Room 4
Time: 11:00–12:00
Session Chairs: Sparsh Sharma; Cheolung Cheong

Time	Paper no. (I/O)	Paper Title
11:00	151(I)	Assessment of CFD methods in predicting unsteady flows and flow-induced noise around a cylinder *Fei Zhu*
11:20	780(I)	Assessing weak compressibility effects in aeroacoustic simulations of small-scale drone rotors *Zhicheng Zhang, Yuqi Xiao, Peng Zhou, Bao Chen*
11:40	814(I)	Blockage coefficient of complex shape objects in the viscous flow in a tube *Konstantinos Tsigklifis, Gyani Sharma, Ian MacGillivray, Paul Dylejko, Alexei Skvortsov*

3.2.7 Acoustics of Wooden Buildings

Room: 2. Riverbank Room 6
Time: 11:00–15:00
Session Chairs: Jean-Luc Kouyoumji; Jianhui Zhou

Time	Paper no. (I/O)	Paper Title
11:00	195(I)	Assessment of Standard Impact Sound Testing Methods for Mass Timber Floors Based on Subjective Annoyance Perception *Jaclyn Xu, Mohammad Hossein Asadi Jafari, Jianhui Zhou*
11:20	654(I)	A draft evaluation method standard for an equivalent slab thickness for heavy-weight floor impact sound in CLT floors *Atsuo Hiramitsu, Susumu Hirakawa, Masakazu Ishizuka*
11:40	504(I)	Improvement of Floor Impact Sound Insulation Performance by Applying of Hybrid TCC Floor Configurations Using a CLT Mock-Up House *Hyung Woo Lee, Sang-joon Lee, Chul-Ki Kim, Beom Yeol Yun, In-Hwan Lee, Jiho Chang, Hyojin Lee*
12:00	505(I)	Current Status of Regulations and R&D on Impact Sound Insulation for Realizing Timber-Based Multi-Residential Building in Korea *Sang-joon Lee*
14:00	602(I)	Comparison of Discrete, Smeared, and Granular Added Mass for Sound Insulation in Lightweight Floors *Yousif Badri, George Dodd, John Edward Cater, Andrew Hall*
14:20	481(I)	Sound Field Characteristics of a Traditional Wooden Shrine Worship Hall Used for Iwami Kagura Performances *Takafumi Shimizu, Aakriti Shrestha, Luca Sassi, Masahiko Kishimoto, Yasuhito Kawai*
14:40	529(I)	Effect of curing and drying on the vibration response of CLT floors with floating gyp-crete and cement concrete toppings *Mohammad Hossein Asadi Jafari, Aimee Ramfjord, Evelyn Way, Simon Edwards, Jianhui Zhou*

1.1.5 Acoustic & Elastic Metamaterials

Room: 2. Riverbank Room 2
Time: 14:00–17:20
Session Chairs: Wonju Jeon; Jose Augusto

Time	Paper no. (I/O)	Paper Title
14:00	15(I)	Research on Global Non-Local Coupling for Enhanced Sound Absorption in Acoustic Metamaterials *Chunping Niu, Xiaowei Zhang, Xiaopeng Wang*
14:20	215(I)	Diffuse sound absorption of finite Helmholtz resonator metasurfaces *Xianhui Li, Xingjie Lai, Tuo Xing, Yifan Zhang, Xiaoling Gai*
14:40	673(I)	Broadband sound absorption using tunable acoustic metasurface with asymmetric adjustable apertures *Jiwan Kim, Yerin Shim, Wonju Jeon*
15:00	809(I)	Design and sound absorption mechanism of bio-inspired hierarchical honeycomb acoustic metamaterials *Xinte Wang, Xinbiao Xiao*
16:00	579(I)	Inverse Design of Mode-Conversion Metasurfaces for Multifunctional Elastic Wavefront Manipulation *Jiarui Li, Ali Chen, Yue-Sheng Wang*
16:20	687(I)	Realization of triple-negative complementary metamaterial for ultrasound transmission through elastic barrier *Ki Yong Lee, Chankyu Kim, Wonju Jeon*
16:40	106(I)	Dual-functional modular acoustic metamaterial for on-demand noise and vibration control: A numerical study *Hongshan Pan, Xiang Yu, Kai Zhou*
17:00	796(I)	Waveguide absorbers based on spiral acoustic black holes for broadband vibration reduction *Dongheon Jo, Taehwan Son, Wonju Jeon*

1.2.4 New Developments with Basic Machinery Noise Emission Standards

Room: 3. Panorama Room 1
Time: 14:00–15:00
Session Chairs: Volker Wittstock; TBC

Time	Paper no. (I/O)	Paper Title
14:00	223(I)	Some remarks on the uncertainty concepts used in ISO-standards on sound emission *Volker Wittstock*
14:20	274(I)	Project LpScan – developing a simplified sound power measurement method based on sound pressure scanning *Deborah Brosig, Volker Wittstock, Fabian Heisterkamp*
14:40	326(I)	Quantification of Structure-Borne and Airborne Electric Machine Noise Shares in the Interior of a Battery Electric Vehicle *Simon Böld, Tongfang Fu, Philipp Diel, Lin Gu, Christoph Steffens, Marco Günther, Stefan Pischinger*

1.4.1 Vibro-acoustics & Structure-Borne Noise: General

Room: 4. City Room 2
Time: 14:00–14:40
Session Chairs: Mahmoud Karimi; TBC

Time	Paper no. (I/O)	Paper Title
14:00	477(O)	Vibroacoustic Characterization of Cross-Laminated Timber Floor under Different Impact Excitation Sources *Mohammad Hossein Asadi Jafari, Jianhui Zhou*
14:20	531(I)	Contact Topology Modulation of Impulse Transmission in Granular Chains *Marcos Espinosa Cuartas, Raj Das, Emilio Calius, Andrew Hall, George Dodd*

1.7.3 Signal Processing & Algorithms for Noise & Vibration Control

Room: 3. Panorama Room 3
Time: 14:00–18:00
Session Chairs: Aimee Zhang; TBC

Time	Paper no. (I/O)	Paper Title
14:00	146(I)	An Improved Multi-Channel FxLMS Algorithm Based on Phased Array and Amplitude Constraint for Global Active Noise Control *Liqiang Yang, Jianwang Shao, Sen Wang, Qingran Li, Chang Jin, Xian Wu*
14:20	113(O)	A Variable Step-Size Filtered-x Least Mean p-Power Algorithm for Active Noise Control *Qingyu Li, Jing Chen, Wei Gao, Minxin Huang*
14:40	147(I)	An Improved Multi-Channel FxLMS Algorithm Based on Phased Array and Multi-Weighted Error Fusion for Expanding Effective Active Noise Control Space *Liqiang Yang, Jianwang Shao, Sen Wang, Qingran Li, Chang Jin, Xian Wu*
15:40	574(I)	Balancing acoustic contrast and directivity control for Personal Sound Zones *Bingcong Lyu, Sipei Zhao, Eva Cheng*
16:00	298(O)	Adaptive active control of line spectral noise based on frequency-domain robust estimation *Yi Tao, Hongsen He, Yi Yu, Limin Zhang*
16:20	755(I)	Multichannel Dual Active Noise Control System *Shota Toyooka, Takuma Sendo, Kenta Iwai, Yoshinobu Kajikawa*
16:40	177(O)	Multichannel Narrowband Active Noise Control with Coarse-to-Fine Frequency Estimation *Jiayi Sun, Chen Gong, Jing Chen, Wei Gao*
17:00	781(I)	An overview of distributed active noise control *Sipei Zhao*
17:20	536(O)	Low-Rank Approximation for Computational Complexity Reduction in FxLMS-Based Active Road Noise Control *Zhe Zhang, Xiao Lv, Dehua Cai, Zihong Ling, Chenlu Shi*
17:40	816(I)	Active control of periodic cabin noise with time-varying frequency using the Extended Delayed-X Harmonics Synthesizer *Toshihiko Komatsuzaki, Jotaro Goto, Seiya Hamaguchi, Naoki Kimura, Hiroyuki Yoshida, Ayaka Mageshi, Hirofumi Wada*

2.5.1 Underwater, Ship & Offshore Acoustics: General

Room: 2. Riverbank Room 7
Time: 14:00–17:40
Session Chairs: Joe Cuschieri; Richard Howell

Time	Paper no. (I/O)	Paper Title
14:00	756(I)	Testing of high acoustic transmission loss ship bulkheads *Matthew Tripodi*
14:20	824(O)	Robust Time-Domain Wideband Beamforming Based on Compact Worst-Case Performance Optimization *Liamg An, Yuxi Deng*
14:40	93(I)	Aspect-Dependent Analysis of Ship-Radiated Noise from Shallow-Water Measurements *Wonjun Yang, Dong-Gyun Han, Jee Woong Choi*
15:00	241(I)	Radiated-Noise Characteristics of a Controllable Pitch Propeller Ship at Different Speeds *Jeongwoo Lee, Jee Woong Choi, Dong-Gyun Han*
16:00	158(I)	A Time-Frequency Reconstruction Network with FSMN and Learnable Sampling for Underwater Denoising *Shouao Gu, Zitong Li, Jun Tang*
16:20	188(O)	Comparison of analytical and numerical results for acoustic scattering from a 2D rigid circular object *Dinesh Chand Foujdar, Avijit Majee, Amrita Puri*
16:40	49(I)	Running Aground: Feasibility, Observability, and the Field Reality of Passive Acoustic Monitoring in Nearshore MPAs *Andrea Hempshall*
17:00	31(O)	Construction of Dynamic Maps of Underwater Radiated Noise from ships in Inland Waterways Based on AIS Data and Acoustic Models *Zonglin Lei, Wenjie Li, Hongbo Du, Yu Wan*
17:20	37(I)	Time evolution of radiated noise from RV Investigator and comparison with DNV Silent R standard *Cristina Tollefsen, Philippe Vandenbossche*

3.2.2 Requirements, Classification Schemes & Standards in Building Acoustics

Room: 2. Riverbank Room 8
Time: 14:00–15:00
Session Chairs: Darren Jurevicius; Marc Buret

Time	Paper no. (I/O)	Paper Title
14:00	517(I)	New classification criteria and methodologies to measure and evaluate indoor quietness in apartment houses *Tetsuya Sakuma, Makoto Morinaga, Masayuki Ikegami*
14:20	655(I)	Comparing National Codes for Acoustic Performance Between Units in Multi-Unit Residential Buildings *Lidan Hou, Marion Burgess, Hazel Easthope, Caitlin Buckle*
14:40	819(I)	Agile At-Receiver Noise Mitigation: Integrating Acoustic Curtains into State Road Traffic Noise Policy *Peter Watkins, Ben Cazzolato, Cameron West, Darren Jurevicius*

3.3.1 Room Acoustics: General

Room: 2. Riverbank Room 3
Time: 14:00–17:20
Session Chairs: Deb James: Amanda Robinson

Time	Paper no. (I/O)	Paper Title
14:00	17(I)	Acoustic and Vibration Strategies for Effective Healthcare Environments *Pablo Reboredo Gasalla, Mahbub Sheikh*
14:20	58(I)	Swept sine measurement of the decay rates and level differences in reverberant rooms *John Davy*
14:40	74(I)	Low-Frequency Noise Mitigation in Hospital Equipment and Plant Rooms: The New Footscray Hospital Case Study *Harvey Law, James Heddle*
15:00	311(I)	Where silence is a gift: acoustic design for Australian war memorials *Matthew Ottley*
16:00	350(O)	A low-complexity speech dereverberation approach based on two-layer filter matrix decomposition *Ye Zheng, Hongsen He, Yi Yu*
16:20	440(I)	Sound Absorption Efficiency: Definition and Effects of Absorber and Diffuser Placement *Toshiki Hanyu, Kazuma Hoshi, Ryoichi Suzuki*
16:40	532(I)	Wind Induced Acoustic Resonance Within Buildings *Gabriel McGrane*
17:00	628(I)	Fabrication and Acoustic Characterization of Sound-Absorbing Materials from Paper-Mill Waste for Effective Utilization *Hiroki Eda, Akiko Sugahara, Masayuki Morioka, Hiroki Okada, Takanori Kitamura*

4.1.9 Measurement Methods for Smart Cities and Noise Monitoring

Room: 4. City Room 4
Time: 14:00–17:40
Session Chairs: Doug Manvell; Granger Bennett

Time	Paper no. (I/O)	Paper Title
14:00	564(O)	Difficulties in complying with ISO 9612 and its limitations on outlining an occupational prevention plan suitable for noise risk situations. *Rafael Sanchez-Guardamino Elorriaga, María José García Tomás*
14:20	168(I)	Non-Contact Occupational Noise Dosimetry via Spatial Acoustic Mapping and Real-Time Worker Localization *Xinzhang Xiong, Yongjun Zhang, Wei Wang, Wenbo Xiong*
14:40	617(I)	Designing Institutional-Grade Noise Governance Systems: Platform Infrastructure, Evidence Chains, and Accountability Structures in High-Scrutiny Urban Environments *James Choi, Andy Chung*
15:40	705(I)	Traffic Noise Exposure in Rural Peri-Urban Areas near Highways: Noise Monitoring, Noise Mapping, and Health Risk Evaluation *Anirudh Mishra, Parth Parmar, Jinal Morad, Bhaven Tandel*
16:00	288(I)	Net4Cities: A Real-Time Network of Noise Monitoring Terminals in European Cities *Jonathan Phillips, Craig Storey, Erika von Schneidemesser, Lorena Vega García, Arne Henning, Itziar Aspuru Soloaga, Pilar Fernandez Alcala*

16:20	512(I)	Source-aware characterisation of sound environments from a city-wide sensor deploymen *Lion Cassens, Maarten Kroesen, Simeon Calvert, Sander van Cranenburgh*
16:40	494(I)	Estimating construction noise source location using classified directional noise data *Adrian Morris, Nicholas Henrys, John Boga*
17:00	608(I)	The next gen Predictive Environmental Noise Intelligence Platform (PENI) *Granger Bennett*
17:20	744(I)	An Update on Evaluating Sound Pressure Levels of Noise Sources in Busy Noise Environments with Deep Learning *Clayton Sparke*

4.2.1 Soundscape: General

Room: 4. City Room 3
Time: 14:00–17:20
Session Chairs: Tin Oberman; Koji Nagahata

Time	Paper no. (I/O)	Paper Title
14:00	621(I)	Enhancing acoustic environments through building envelope design: a case study. *Eleni Chrysafis*
14:20	410(I)	Evaluating the Reproducibility of In-Situ Soundscape Perception using Group and Online Listening Tests *Michaela Marxt, Judith Waas, Thomas Bäumer, Berndt Zeitler*
14:40	267(O)	Modelling and predicting authenticity perception in historic district soundscape through acoustic characteristics *Yiming Hu, Qi Meng, Mengmeng Li, Da Yang, Chunshuo Qu, Yuxin Yin*
15:40	414(I)	A perceptual structure of acoustic environments in space stations: a grounded theory approach with big data *Yan Zhang, Lei Yu, Jian Kang*
16:00	430(I)	Does Language Shape Soundscape? A Cantonese Language Study Comparing Hong Kong and Perth *Louisa Ly Cheung*
16:20	528(I)	Establishing Special Entertainment Precinct Criteria for the City of Sydney *Yuxiao Chen, Sav Shimada, Jason Cameron, Dave Anderson*
16:40	679(I)	Differences in Soundscape Evaluations Among Shopping Streets: Effects of Arcade Presence, Visitor Characteristics, and Context *Ayana Kudo, Takeshi Akita*
17:00	633(I)	Soundscape approaches for health and wellbeing in care environments: a systematised review. *Sebastien Fijac*

4.3.1 Perceptual Evaluation of Sounds and Product Noise: General

Room: 2. Riverbank Room 4
Time: 14:00–15:00
Session Chairs: Mehmet Ercan Altinsoy; Katsuya Yamauchi

Time	Paper no. (I/O)	Paper Title
14:00	23(I)	Investigating performance of speech intelligibility improvement for drone audio broadcasting Kevin Shi, Yusuke Hioka, Wageesha Manamperi, C. T. Justine Hui
14:20	470(I)	Eyes open or closed? Cortical criticality metrics reflects visual influence on auditory detection in noisy environments *Ke Ni, Yu Huang, Haijun Wu*
14:40	576(I)	Contribution of Air Conduction to the Perception of Very High Frequency (VHF) Sounds: A Study Using Earplugs *Mari Ueda, Asahi Kuboya, Shuki Matsushita, Kanami Konodo, Kentaro Nakamura, Masaaki Hiroe*

1.7.5 Artificial Intelligence for Active Systems in Noise & Vibration Control

Room: 4. City Room 2
Time: 15:40–17:40
Session Chairs: Yoshinobu Kajikawa; TBC

Time	Paper no. (I/O)	Paper Title
15:40	29(I)	Integrated Active Noise Control for Rotor-Based Low-Altitude Aircraft *Lei Luo*
16:00	52(I)	Development of AI Reinforcement Learning based Calibration Tool for Motor Whine Noise *Yohan Cho*
16:20	227(I)	Transformer-based End-to-End Generative Fixed-Filter Active Noise Control *Ziyi Yang, Yisong Zhou, Zhengding Luo, Boxiang Wang, Woon-Seng Gan*
16:40	291(I)	Fast-Converging Hybrid ANC with Joint Meta-Initialization *Wenxuan Xu, Xu Zheng, Xuexian Liu, Yushu Qian, Zhicheng Zhang*
17:00	293(I)	Frequency-Domain FxLMS Algorithm with Meta-Learning-Based Initialization for Active Noise Control *Xuexian Liu, Xu Zheng, Ziyi Yang, Wenxuan Xu, Yushu Qian, Chi Liu, Woon-Seng Gan*
17:20	456(O)	Inverse design of dual Helmholtz resonator using deep learning techniques *Vikas Sablaniya, Anoop Kumar Singh, Avijit Majee, Amrita Puri*

2.1.1 Aircraft Noise: General

Room: 3. Panorama Room 2
Time: 15:40–17:40
Session Chairs: Michael Bauer; TBC

Time	Paper no. (I/O)	Paper Title
15:40	56(I)	Aircraft noise annoyance control by design: an extended model to compose an aircraft's annoyance from its single components' contributions *Michael Bauer*
16:00	72(I)	Numerical analysis of noise generated by collision of a sonic boom and a single Rankine vortex *Takao Tsuchiya, Masashi Kanamori*
16:20	149(I)	Analysis and Control of Dynamic Acoustic Loads on aero-structure from Near-Ground vertical jet during take-off *Qun Yan, Xiao dong Li, Xing qiang Liu, Zhi guang Yue*
16:40	527(I)	Noise Study Beyond Metrics – Gulfstream Acoustics Simulator *Tongan Wang*
17:00	800(I)	The next generation of aeroacoustic measurements: MEMS based sensor scaling *Carsten Spehr, Daniel Ernst, Thomas Ahlefeldt, Armin Goudarzi, Florian Philipp, Reinhard Geisler*
17:20	453(O)	Noise Considerations for New Spaceport Developments: Assessing Impacts on Humans and Fauna *Nicholas Henrys, Darren Jurevicius, Lloyd Damp*

2.3.1 Ground Transportation Noise & Vibration: General

Room: 2. Riverbank Room 6
Time: 16:00–17:40
Session Chairs: Wim van Keulen; Seonghyeon Kim

Time	Paper no. (I/O)	Paper Title
16:00	299(I)	A Hybrid Acoustic Transfer Function Synthesis Framework for Evaluating Exterior Trim Effects on Airborne Tire Noise *HyunWoo Kim, Kisang Chae, JinUng Jang, MunSeok Lee*
16:20	541(I)	Self-powered and self-sensing electromagnetic shunt damper for semi-active vibration control *Ruqi Sun, Qiheng Xu, Xuan Zhao, Jinyang Li, Li Cheng*
16:40	550(I)	Transportation Noise Auralisation for Public Meetings *Scott Noel*
17:00	578(I)	A review of efforts to use acoustic pass-by measurements to regulate transport vehicle noise objectives in Australia *Jeffrey Parnell, Benjamin Halkon, Qiaoxi Zhu*
17:20	733(I)	Improving Tire/Road Noise Evaluation by Incorporating Sound Directivity *Yoshihiro Shirahashi, Shun Uchida, Toru Yamazaki*

2.3.2 Measurement Methods for Tire/Road Noise

Room: 2. Riverbank Room 8
Time: 16:00–17:40
Session Chairs: Paul Donavan; Judy Rochat

Time	Paper no. (I/O)	Paper Title
16:00	308(I)	Raising the standard: getting more from tyre/road noise measurements *Richard Jackett, John Bull, Rob Wareing, George Bell, Stephen Chiles*
16:20	127(O)	A Method for Assessing Acoustic Environmental Quality of Regional Traffic Network Noise *Shu Fang Huang, Min Min Yuan, She Gang Shao, ShuiYin Wang*
16:40	310(I)	The effect of asphalt thickness, texture, and void content on tyre/road noise *Robin Wareing, George Bell, Stephen Chiles, John Bull, Richard Jackett*
17:00	493(I)	Laboratory Assessment of Tyre–Road Rolling Noise Using the Rubber Plate Impact Method: Limits and Perspectives *Filippo Praticò, Vamsi Navya Krishna Mypati*
17:20	821(I)	Examination of the time delays between maximum overall A-weighted levels and one-third octave band levels for sinusoidal rumble strips *Paul Donavan, Carrie Janello*

4.1.5 Community Response to Noise

Room: 2. Riverbank Room 4
Time: 16:00–17:20
Session Chairs: Norm Broner; Jeffrey Parnell

Time	Paper no. (I/O)	Paper Title
16:00	214(I)	Research on Chinese Residents' Subjective Evaluation of Impact Sound in Residential Buildings *Yuying Zou, Chao Wang, Jian Kang, Hui Ma*
16:20	190(O)	The correlation between brain responses and subjective annoyance under natural sound masking of road traffic noise based on fNIRS *Yuxuan Song, Pengfei Li, Jun Cai*
16:40	731(I)	Investigation of Resident Perception of Noise and Vibration from a New Open Metro Line in Ho Chi Minh City, Vietnam *Takumi Shimomura*
17:00	216(I)	Research on residents' subjective evaluation of airborne sound insulation performance in Chinese residential buildings *Mengjin Liu, Chao Wang, Hui Ma*

Tuesday 11 August

1.1.5 Acoustic & Elastic Metamaterials

Room: 2. Riverbank Room 2
Time: 09:00–12:00
Session Chairs: Wonju Jeon; Jose Augusto

Time	Paper no. (I/O)	Paper Title
09:00	132(I)	Tunable Multi-resonant Sonic Crystal for optimized industrial noise attenuation *Chetan Chalurkar, Sneha Singh*
09:20	773(I)	Compact acoustic metasurfaces with complex impedances for reducing low-frequency tonal noise generated by rotating point forces *Eunjin Yang, Jiwan Kim, Wonju Jeon*
09:40	443(I)	Broadband Acoustic Attenuation using Helmholtz Resonator Combinations Jin-Je Park, Sung-hwan Shin
10:40	616(I)	Acoustic metasurfaces with complex-valued impedances for indoor sound-field uniformity *Eunji Choi, Jiwan Kim, Wonju Jeon*
11:00	671(I)	Compact lens-free acoustic computer based on bilayer metagrating *Chankyu Kim, Wonju Jeon*
11:20	187(O)	A comparative analysis of acoustic scattering from sound-hard objects under diverse excitation schemes *Dinesh Chand Foujdar, Avijit Majee, Amrita Puri*
11:40	134(I)	Effect of Channel Geometry on the Acoustic Performance and Size of Coplanar Labyrinthine Acoustic Metamaterial *Siddharth Shrivastava, Sneha Singh*

1.2.2 Microphone and Loudspeaker Array Techniques

Room: 4. City Room 3
Time: 09:00–12:00
Session Chairs: Yusuke Hioka; TBC

Time	Paper no. (I/O)	Paper Title
09:00	24(I)	Rotational speed and direction estimation for rotating beamforming using a planar microphone array *Cheng Wei Lee, Wei Ma*
09:20	68(I)	Research on Measurement Methods for Spatial Resolution of Spherical Microphone Arrays *Feng Niu, Zhuo Qian, Longbiao He, Zhaoqi Qin*
09:40	85(I)	Simultaneous Estimation of Acoustic Power and Directivity of Multiple Industrial Noise Sources Using Microphone Arrays *Loïc Boileau, Pierre Grandjean, François Grondin, Thomas Padois, Nicolas Quaegebeur*
10:00	111(I)	Physics-Informed Deep Learning for Spatial Interpolation in Sparse Microphone Arrays *Agustinus Oey, Benjamin Soenarko, Jiho Chang, Juho Jung*
11:00	248(I)	Post-refinement of MVDR beamforming using spatially informed independent component analysis for underdetermined source separation in reverberant environments *Jin Xuan Teh, Kouei Yamaoka, Hiroshi Saruwatari, Yusuke Hioka*
11:20	279(I)	Hear, There, or Everywhere: Compact Acoustic Vector Sensor Arrays for Sound Source Localisation Lorian Marshall, Dave Matthews, Chaoying Bao, Jie Pan
11:40	582(I)	Three-Dimensional Near-Field Acoustic Source Localization with an Offset Microphone Array *Patel Shreyas, Sreeram Barathula, K. Srinivasan*

1.5.1 Signal Processing, Reproduction & Diagnostics: General

Room: 3. Panorama Room 3
Time: 09:00–10:20
Session Chairs: Thushara Abhayapala; Amy Bastine

Time	Paper no. (I/O)	Paper Title
09:00	822(I)	Optimisation of the ACCL technique for gear diagnostics *Robert Randall, Aida Daman, Wade Smith, Zhongxiao Peng*
09:20	422(O)	Multi Sideband Linear Matrix Demodulation for Rotating Machinery Vibration Analysis *Mohamed Ridha Ouamane, Amadou Assoumane, Khelil Sidi Brahim, Edgard Sekko*
09:40	139(I)	Analysis of key signal features of construction noise sources in Northern India *Moh Moh Myint Thu, Sneha Singh*
10:00	719(I)	The Analysis of Violin Directivity *Sangkyou Park*

2.3.9 Vibration from Ground Transportation: Sources and Propagation

Room: 3. Panorama Room 1
Time: 09:00–10:20
Session Chairs: Aaron Miller: Kym Burgemeister

Time	Paper no. (I/O)	Paper Title
09:00	464(I)	Vibration impacts from tunnel boring machines: detailed case study of two conjoined multi-storey buildings in Sydney *Aaron Miller, Briony Croft, Jeffrey Parnell, Joseph Spagnol*
09:20	506(I)	Assessment of Environmental Vibration Impacts on Sensitive Buildings Adjacent to Subways and Vibration Mitigation Measures: A Case Study *Dan Wu, Lei He, Ruixiang Song, Yubin Wu, Liang Wang*
09:40	799(I)	Outdoor-to-indoor vibration transfer measurements for vibration and ground-borne noise assessment of metro rail construction and operations *David Timms, David Larner, Bill Dawson, Graham Brown*
10:00	752(I)	Influence of TBM Speed on Ground-Borne Vibration: Insights From Sydney Tunnelling Project *Tracy Gowen, Abhinav Rajagopal*

2.4.4 Road Traffic Noise Assessment and Modelling

Room: 2. Riverbank Room 6
Time: 09:00–12:00
Session Chairs: Daljeet Singh; Claudio Guarnaccia

Time	Paper no. (I/O)	Paper Title
09:00	523(O)	A Cellular Automata Model for Traffic Noise Prediction in Multiple Lanes Roads with Traffic Lights *Domenico Rossi, Gaspard Hamelin, Aurora Mascolo, Roberta Di Pace, Stefano de Luca, Jean-François Petiot, Claudio Guarnaccia*
09:20	471(O)	Predicting Road Traffic Noise through a Hybrid SARIMA and Stochastic Microscopic Modelling Approach *Aurora Mascolo, Domenico Rossi, Claudio Guarnaccia*
09:40	69(I)	Modernizing vehicle noise emissions for highway traffic noise prediction in the U.S. *Judith L. Rochat, Herbert L. Singleton Jr, Blaine M. Harker, Micah M. Downing*
10:40	651(I)	A comparison of CoRTN and CNOSSOS-EU road traffic modelling methodologies in SoundPLAN *Scott Henley, Nicholas Netterville*
11:00	642(I)	Noise Perception Study of Electric Vehicles in the Indian Background Noise *Arpan Gupta, Anoop Chawla, Sudipto Mukherjee*
11:20	736(I)	Environmental Noise Assessment of Electric Rickshaws: A Measurement-Based Investigation on a University Campus *Daljeet Singh, Vivek Jain, Mayank Kakkar, J.S. Saini, Vishal Gupta, Claudio Guarnaccia*
11:40	758(I)	Multi-stage road noise consents: Model-once, consent many *George Van Hout*

3.1.2 Urban Sound Propagation

Room: 4. City Room 1
Time: 09:00–10:20
Session Chairs: Timothy Van Renterghhem; Marc Buret

Time	Paper no. (I/O)	Paper Title
09:00	97(I)	Propagation of mobile noise measurements from in-road to façade levels *Ruikang Zhang, Andreu Balastegui, Teresa Pàmies, Guillermo Quintero*
09:20	148(I)	Predicting complex noise propagation behind buildings from elevated sources: model establishment and applicability examination *Qiyuan Wang, Ken Anai, Hiroo Yano, Shinichi Sakamoto*
09:40	561(I)	Before and after the greening: in-situ measurements of sound propagation in an urban street. *Timothy Van Renterghem, Pieter Thomas*
10:00	622(I)	Using point cloud data to approximate building heights for large-scale urban noise modelling *Brandan Cotton, Simon Moore*

3.3.1 Room Acoustics: General

Room: 2. Riverbank Room 3
Time: 09:00–10:00
Session Chairs: Deb James; Amanda Robinson

Time	Paper no. (I/O)	Paper Title
09:00	640(I)	Room-Impulse Response Recording in Three Dimensions with an Autonomous Mobile Robo *Dhong Fhel Gom-os, Anthony Zander, Will Robertson*
09:20	805(I)	Sound absorption characteristics of materials using spherical cellulose beads: Comparison with other granular materials and application to a small room *Noriko Okamoto, Reiji Tomiku, Koji Fukuyama, Toru Otsuru, Mana Yamazoe*
09:40	124(I)	Are rotating diffusors better than static? *George Dodd*

3.3.4 Acoustics of Performing Arts and Listening Spaces

Room: 3. Panorama Room 2
Time: 09:00–15:20
Session Chairs: Thomas Scelo; Jose Augusto

Time	Paper no. (I/O)	Paper Title
09:00	153(I)	Acoustic Evaluation of a Traditional Japanese Kura for Music Use: Measurement Condition Effects and Spatial Variability *Aakriti Shrestha, Thomas Weiser, Yasuyo Tsunemine, Takafumi Shimizu*
09:20	408(I)	Room Acoustic Clarity of Mosque Dome Configurations Using Energy-Based Metrics *Omar Faez*
09:40	546(I)	Design interventions for improving acoustic performance of a circular-shaped rooftop open-air performance space *Kim Junyoung, Jun Sang-Eun, Kim Yong-Hee, Yong Chul Chun*
10:00	826(I)	Intervention on historical buildings for the performing arts and acoustics *Jose Augusto Nepomuceno*
14:00	557(I)	Diagnosis and Mitigation of Friction-Induced Structural Noise in a Concert Hall Mark Yi Nuo Chao
14:20	573(I)	Acoustic Tuning of an Orchestral Rehearsal Studio Using Principles of Directed Reflection Sequence Rooms *Peter Exton*
14:40	675(I)	Improving acoustic conditions for sound art exhibitions in contemporary museums with melamine foam absorbers *Yong Hee Kim, Sang-eun Jun, Kim Junyoung, Yong Chul Chun, Young Jae Chun, Hyo Jin Kim, Yong Hoon Lee*
15:00	552(I)	From Reflection to Presence: Visualising Dynamic Source–Room Interaction in Auditorium Design *Thomas Scelo*

4.1.1 Community Noise & Health: General

Room: 2. Riverbank Room 5
Time: 09:00–11:40
Session Chairs: David Welch; TBC

Time	Paper no. (I/O)	Paper Title
09:00	8(I)	Extreme-Event Dynamics in Noise and Traffic as Determinants of Occupational Strain in Traffic policemen at Urban Traffic Junctions *Bhanu Chaudhary, Bhaven Tandel, Manoranjan Parida*
09:20	776(I)	Field survey on sound exposure of instructors in after-school childcare activities using personal noise dosimeter *Sakae Yokoyama, Tomohiro Kobayashi, Hisao Funaba*
10:40	538(I)	Questionnaire survey on auditory stimulation in public transport facilities: Comparison between HSP and non-HSP *Hanui Yu, Xiaoya Xu, Tetsuya Sakuma*
11:00	646(I)	Towards quantifying the disease burden of road traffic noise in Japanese cities: exploring a DALY-based approach *Kazunori Harada, Yasuhiro Hiraguri, Takuya Oshima, Yoshinori Saito, Satoshi Atobe, Shinichi Sakamoto*
11:20	260(I)	A framework for health-based road-traffic noise assessments in New Zealand *Michael Smith*

4.1.4 Environmental Impact Assessment

Room: 2. Riverbank Room 8
Time: 09:00–09:40
Session Chairs: Norm Broner; Arvind Deivasigamani

Time	Paper no. (I/O)	Paper Title
09:00	271(I)	AI-Based Classification of Construction Vibration Waveforms for Environmental Management Applications *Aryan Sharma, Michael Manraj Darroch, Ben Cooper-Woolley, Benjamin Halkon, Aaron Miller*
09:20	734(I)	Spatio-temporal and Frequency-domain Assessment of Residential Outdoor Noise during Festive Fireworks in Urban India *Avnish Shukla, Ravi Kiran Dharavath, Harish C. Phuleria*

4.2.3 Psychological and Physiological Evaluation in Soundscape Studies

Room: 2. Riverbank Room 4
Time: 09:00–11:20
Session Chairs: Manish Manohare; TBC

Time	Paper no. (I/O)	Paper Title
09:00	18(I)	The Impact of Environmental Noise on Student Learning and Emotional Regulation in the Classroom Setting: An EEG-Based Study *Cynthia Hou*
09:20	777(I)	Individual differences in psychological and physiological responses to indoor sound environments: an EEG study *Dadi Zhang, Kwok-Wai Mui, Ling-Tim Wong*
09:40	176(I)	Differential facial responses in thermal-acoustic perception: A comparative study of music versus mechanical noise *Xin Wen, Qi Meng*
10:40	199(I)	Facial Expression Portrait as a Complementary Method for Urban Soundscape Assessment *Yuxin Yin, Xuejun Hu, Yiming Hu, Qi Meng*
11:00	105(O)	Perceived Restorativeness of Soundscapes in Nursing Homes: The Role of Psychoacoustic Indicators *Xiaojie Long, Yuliang Lei, Nazli Bin Che Din, Norhayati Binti Mahyuddin*

4.3.3 Product Sound Quality

Room: 4. City Room 2
Time: 09:00–10:20
Session Chairs: Yu Huang; Seonghyeon Kim

Time	Paper no. (I/O)	Paper Title
09:00	197(I)	Towards Sound Quality Foundation Models: A Perceptual Data Augmentation Approach for Small-Sample Aircraft-Cabin Noise Prediction *Fancheng Liu, Ke'an Chen, Tong Gao, Jianfeng Luo*
09:20	208(I)	Sound exploration methodology for interactive evaluation of electric motor noise *Salomé Wanty, Etienne Parizet, Nicolas Totaro, Martin Glesser*
09:40	568(O)	Subjective-Objective Evaluation of Interior Sound Quality of Power-Concentrated EMUs *Kun Qian, Zhanpeng Wang, Yong Liu, Yunpeng Liu, Xinxin Zhang, Xikang Du, Jiying Duan*
10:00	434(I)	Quantifying the Effect of the forms of the amplitude envelope on Fluctuation Strength *Nozomiko Yasui*

1.3.6 Data-driven and Machine Learning Methods for Modeling and Design in Acoustics & Vibration

Room: 3. Panorama Room 1
Time: 11:00–12:20
Session Chairs: Shahrokh Sepehrirahnama; Claus Claeys

Time	Paper no. (I/O)	Paper Title
11:00	198(I)	Transfer Learning for Tonal Noise Prediction in VRF Units Using Thermodynamic and Vibration Signals *Zhiwei Su, Yang Qiao, Ding Wang, Hongjun Cao*
11:20	191(I)	Data-driven approximation of high-frequency vibrational energy distributions: A transfer operator approach Lama Hamadeh, David Chappell
11:40	328(I)	Invertible Neural Operators for Generative Design of Acoustic Metamaterials *Mert Dogu, Jonas M. Schmid, Johannes D. Schmid, Markus Mörwald, Steffen Marburg*
12:00	760(I)	AI-based stochastic optimization of compact mufflers for aerospace duct noise reduction *Lilliana Wang, Jason Zhang, Zhaoyan Zhang*

1.4.2 Numerical Methods in Vibro-acoustics

Room: 2. Riverbank Room 8
Time: 10:40–11:40
Session Chairs: Jamie Kha; Kostas Tsigklifis

Time	Paper no. (I/O)	Paper Title
10:40	204(I)	High-frequency vibration response prediction of orthotropic plates in thermal environments based on radiative energy transfer method *Wenjie Zhang, Haibo Chen*
11:00	478(O)	Numerical Prediction of Low-Frequency Impact Sound of CLT Floors under Different Excitations *Mohammad Hossein Asadi Jafari, Jianhui Zhou*
11:20	688(I)	High-Fidelity Transfer Function Modeling for Virtual Prediction of Noise and Vibration in a Front-Loading Washing Machine *Sangjun Lee, Cheolung Cheong, Junghoon Cho, Kiyong An*

1.4.4 Vibration and Acoustics in Pipeline Monitoring: Advances in Leak Detection

Room: 3. Panorama Room 3
Time: 11:00–12:00
Session Chairs: Ben Cazzolato; TBC

Time	Paper no. (I/O)	Paper Title
11:00	282(I)	A Dual-Task Framework with Conformer and Weight Sharing for Pipeline Leak Detection and Localization *Zhilong Zhou, Shouao Gu, Yongping Kong, Ke Lin, Jun Tang*
11:20	563(I)	Denoising Using Deep Residual Learning for Urban Acoustic Leak Monitoring *Xiang Wang, Wei Zeng, Ben Cazzolato, Martin Lambert*
11:40	643(I)	Dynamic Modelling of Water-filled Riser-Hydrant System for Acoustic Leak Detection in Water Pipes *Musab Hajalfadul, Jen Muggleton, Phillip Joseph*

1.7.2 Hybrid Active-Passive Systems for Noise & Vibration Control

Room: 4. City Room 2
Time: 11:00–12:20
Session Chairs: Jiaxin Zhong; Jing Lu

Time	Paper no. (I/O)	Paper Title
11:00	39(I)	Performance evaluation for vibration isolation systems based on shunt inertial actuators *Wenyu Mao*
11:20	319(I)	Wave control using hybrid mass damper with Frequency-Shaped Linear Quadratic Regulator *Takeroh Yasuoka*
11:40	325(I)	Design of a Vehicle Door Vibration Absorber Based on Nonlinear Energy Sink *Anya Dai, Jianwang Shao, Jiawei Wang, Yichong Li, Weiguang Wang*
12:00	598(I)	Vibration control using virtual vibration absorbers *Nathan Wendt, Yuki Takahashi, Hiroyuki Iwamoto, Cikai Lin, Nicole Kessissoglou*

2.6.1 Flow-induced Noise & Vibrations: General

Room: 2. Riverbank Room 7
Time: 10:40–15:40
Session Chairs: Carsten Spehr; Carl Howard

Time	Paper no. (I/O)	Paper Title
10:40	33(I)	Vibro-acoustic performance of a centrifugal pump and variable frequency drive *Carl Howard, Lloyd Button, Stephen Moore, Oddom Leav, James Forrest*
11:00	3(O)	Effect of an alternate material inducer by rapid prototyping on noise characteristics of a centrifugal pump *Shinichiro Ejiri*
11:20	34(I)	Acoustic Measurements of Single-Hole, Multi-Hole, and Stacked Orifice Plates in Water-Filled Pipes *Carl Howard, Lloyd Button, Stephen Moore, Oddom Leav, James Forrest*
11:40	95(I)	Study of Airframe Noise Using an 8%-Scale High-Lift Common Research Model *Takehisa Takaishi, Mitsuhiro Murayama, Yasushi Ito, Masataka Kohzai, Yo Murata, Yuta Ozawa*
14:00	99(I)	Noise reduction of ducted contra-rotating rotor systems through duct mode manipulation *Zhiheng Zhao, Cheng Yang*
14:20	154(I)	Spatial Coherence of Flow-induced Noise for Multiple Compliant layers covered point hydrophone array *Dengfeng Wu, Mengsa Yu, Qi Shen, Zhengguo Bai*
14:40	487(I)	Effect of Grid-generated and Cylinder-wake Turbulence on the Surface Pressure Fluctuations of a Flat-Plate Leading edge *Sophia Nicole Rueda Pablo, Con Doolan, Charitha de Silva, Danielle Moreau*
15:00	526(I)	Aerodynamic Performance Optimization and Noise Control of the Toroidal Impeller Based on the Box-Behnken Response Surface Method *Xianpeng Wu, Chenye Tian, Bingyue Duan, Dan Luo, Ruixiang Kang, Xiaomin Liu*
15:20	682(I)	Optimization of Noise Mitigation Performance of Metasurface Acoustic Liner Using Genetic Algorithm in Grazing Flow *Adrian Wai Kit Lam, Ali Abdullah, Randolph Chi Kin Leung*

2.7.4 Ecoacoustics and Analysis of Soundscape

Room: 4. City Room 1
Time: 11:00–12:00
Session Chairs: Jesse Budel; TBC

Time	Paper no. (I/O)	Paper Title
11:00	401(I)	Assessing the Relationship Between Weather Conditions and Acoustic Activity of Insects and Fauna Using Noise Monitoring *Lizeth Valderrama*
11:20	590(I)	Automated detection and classification of mysticete (baleen whale) sounds in Australian marine soundscapes *Christine Erbe, Lachlan Gill, Robert D. McCauley, Alexander Gavrilov, Evgeny Sidenko, Paul Nguyen Hong Duc, Shyam Madhusudhana*
11:40	703(I)	Pygmy blue whale tracks in north-western Australia based on a passive acoustic tracking array during their northern migration. *Robert Mccauley, Christine Erbe, Curt Jenner, Micheline Nicole Jenner, Ciara Browne, Alexander Gavrilov, Michele Thums*

3.3.5 Acoustics of Education Spaces

Room: 2. Riverbank Room 3
Time: 10:40–12:00
Session Chairs: Young-Ji Choi; Kiri Mealings

Time	Paper no. (I/O)	Paper Title
10:40	513(I)	The Classroom Sound Burden: What Influences Noise Perception in Pre-service Teachers? *Lady Catherine Cantor Cutiva, Carlos Manzano, Adriana Diaz, Maria Celina Malebran, Alejandro Morales, Eric Hunter*
11:00	670(I)	Mixed-Effects Analysis of Acoustic Bias in Listening Scores from Multi-Year Institutional Administrations of Standardized English Proficiency Tests *Makito Kawata*
11:20	693(I)	Application of field-measured student sound absorption for predicting optimal reverberation times in Korean classrooms *Heejun Lim, Young-ji Choi*
11:40	795(I)	A survey on the effect of room sound absorption to improve communication for students' on-site educational practice in preschools *Keiji Kawai, Tomoko Katakawa, Arata Yoshida*

4.3.7 Psychological Evaluation of Transportation Noise: Train, Aircraft, and Road Traffic Noise

Room: 4. City Room 4
Time: 10:40–12:20
Session Chairs: Yu Huang; Katsuya Yamauchi

Time	Paper no. (I/O)	Paper Title
10:40	131(O)	Influence of Tonal Components in Critical Bands on Interior Noise Annoyance of High-Speed Trains *Zongcai Liu, Yihang Yu, Xudong Liu*
11:00	482(I)	ECG-based driver stress assessment using CNN with attention mechanisms in real driving environments *Seonghyeon Kim, Keewon Shin, Ercan Altinsoy*
11:20	352(O)	UAV Path Optimization in Urban Low-Altitude Environments Based on Noise Exposure *Xin Zhao, Qi Meng, Da Yang, Mengmeng Li*
11:40	591(I)	Psychoacoustic Evaluation of Changes in Perceived Road Traffic Noise under Controlled Environmental Configurations Using Virtual Reality *Alfred C. H. Tan, Muhammad Mu'izzuddin Malek, Kian Leong Yong*
12:00	770(I)	Correspondence between LAeq and Perceived Noisiness of Road Traffic Noise: Effects of Background Level and Event Prominence *Katsuya Yamauchi, Masayuki Kito*

4.4.3 Vibration and Acoustic Measurements of Musical and Sound Sources

Room: 3. Panorama Room 2
Time: 11:00–12:00
Session Chairs: Will Robertson; TBC

Time	Paper no. (I/O)	Paper Title
11:00	1(I)	Vibration of asymmetrically clipped Bundengan strings *Gea Oswah Fatah Parikesit, Indraswari Kusumaningtyas*
11:20	635(I)	The Australian Aboriginal Yidaki: Acoustic Recordings and a 3D Geometric Model Derived from Computed Tomography *Matthew Forbes, Will Robertson, Dhong Fhel Gom-os, Anthea Skinner, Nicole Tse, Aaron Corn*
11:40	815(I)	Experimental Investigation of Cello Bridge Design Using 3D-Printed Models *Christine Zhou, Andrew Hall, George Dodd*

1.2.1 Measurement Methods: General

Room: 3. Panorama Room 1
Time: 14:00–17:40
Session Chairs: Wan-Ho Cho; Con Doolan

Time	Paper no. (I/O)	Paper Title
14:00	27(I)	Average Maximum Sound Level: A Complementary Metric *for Environmental Noise Assessment*
Ben Hall		
14:20	64(I)	A Two-Microphone Standing Wave Tube Method for Measuring the Transmission Loss of Symmetric Systems *Guochenhao Song, Tongyang Shi, J. Stuart Bolton*
14:40	423(I)	Vibration Measurement Methodologies: Mounting Techniques and Effectiveness *Andrew Durrer*
15:00	439(I)	Characterization of porous media in extended frequencies in tube measurements: A Bayesian approach *Ziqi Chen, Ning Xiang*
16:20	441(I)	Measurement Method for Vibration and Structure-Borne Noise in Steel Staircases Using Impact Ball Excitation *Ren Yamamoto, Aakriti Shrestha, Keiju Kojima, Toshiaki Ogura, Kosuke Hashima, Kuruna Kurosawa, Takafumi Shimizu*
16:40	497(I)	A hybrid synchronisation framework integrating acoustic reference events and pulse-per-second signals for scalable acoustic recording platforms *Siyu Zhang, Jin Xuan Teh, Mingxue Song, Yusuke Hioka*
17:00	520(I)	Spatial Variability and Convergence of Damping Loss Factor for a Thin Panel from Structural Reverberation Time Yousif Badri, Gian Schmid, Michael Kingan, George Dodd, Brian Mace
17:20	615(I)	Development of guidelines for requirements and performance evaluation procedures for appropriate use of hearing evaluation booths in various environmental conditions *Wan-Ho Cho, Dong-Hyuk Lee, Young Joon Seo*

1.2.6 Tone Definition and Evaluation

Room: 3. Panorama Room 3
Time: 14:00–15:40
Session Chairs: Doug Manvell; Lars Sommer Søndergaard

Time	Paper no. (I/O)	Paper Title
14:00	40(I)	The search for a common ISO tonal noise assessment methodology *Doug Manvell*
14:20	739(I)	AI Based Approaches to Noise Annoyance and Tonal Audibility Using Listening Tests and Insights from Standardization Work *Lars Sommer Søndergaard, Torben Holm Pedersen*
14:40	754(I)	Tonal audibility, tonality criteria for rating adjustments, and narrow band tone emergence with ISO 1996-2 engineering and survey methods *Colin Tickell, Stephen Collings*
15:00	534(I)	Reliability of engineering-method noise software for tonal audibility assessment of stationary industrial sources, with a focus on BESS *Alireza Moazen Ahmadi, Shahrokh Sepehrirahnama*
15:20	707(I)	Auralisation Based Analysis of Tonality Assessment Procedures and Associated Outcomes *Artur Moreira*

1.4.6 Passive Control of Noise & Vibration Using Acoustic Black Hole Effect

Room: 4. City Room 2
Time: 14:00–15:40
Session Chairs: Shahrokh Sepehrirahnama; Adrien Pelat

Time	Paper no. (I/O)	Paper Title
14:00	485(I)	Underwater Sound Absorption Using Rubber Enhanced Sonic Black Hole *Yuanze Li*
14:20	525(I)	Vibration reduction in infinite plates using acoustic black hole stiffener designs *Jamie Kha, Daniel Martins, Mahmoud Karimi, Laurent Maxit, Oriol Guasch, Valentin Meyer*
14:40	791(I)	Vortex-shaped acoustic black holes for low-frequency broadband vibration suppression *Taehwan Son, Wonju Jeon*
15:00	803(I)	Broadband vibration and sound attenuation in honeycomb sandwich panels using Acoustic Black Holes *Adrien Pelat, Alex Besse, Omar Aklouche, Frédéric Ablitzer, François Gautier*
15:20	830(O)	Folded Sonic Black Holes for Broadband Low-Frequency Sound Absorption *Tian Ran (Terry) Lin, Shifa Wang, Kai Zhang*

2.1.4 Airport Noise

Room: 2. Riverbank Room 5
Time: 14:00–17:20
Session Chairs: Karina Einicke; Naoaki Shinohara

Time	Paper no. (I/O)	Paper Title
14:00	212(I)	Preliminary Methodology for Airport Ground Noise Source Characterization *Karina Einicke, Edith Hug*
14:20	259(I)	Highly automated aircraft noise determination combining multiple classification methods *Taichi Higashioka, Yukihiro Katoh, Kyuhwang Shim, Takahiro Mizuno, Kazuki Tamura*
14:40	280(I)	Quantifying Noise Benefits from Narrow-Body Fleet Modernization: A Case Study at Zurich Airport *Stefan Schalcher, Edith Hug*
15:00	394(I)	A Consideration of Altitude Profiles and NPD Data in Relation to Inter-Airport Variations in Aircraft Noise Prediction *Kazuyuki Hanaka, Naoaki Shinohara, Toshiyasu Nakazawa*
16:00	462(I)	Introduction of New Flight Routes for Capacity Expansion at Kansai and Enhanced Kobe Airport Utilization and Aircraft Noise Impact Assessment *Makiko Inoue, Yoshio Nishino, Kenji Matsubara, Masanori Kida*
16:20	562(I)	Comparative Analysis of Perspectives and Strategies for Aircraft Noise Monitoring and information disclosure among countries *Naoaki Shinohara, Toshiyasu Nakazawa, Shigeki Tsuchiya*
16:40	624(I)	Active Noise Control of Aircraft Takeoff Roll Noise – Simulation versus Measurement *Joseph Czech, Chris Fuller*
17:00	699(I)	Long-term annoyance evaluation around military and joint-use airports considering daily fluctuations in aircraft noise exposure *Koichi Makino, Makoto Morinaga*

3.1.1 Urban Acoustics and Outdoor Sound Propagation: General

Room: 2. Riverbank Room 3
Time: 14:00–18:00
Session Chairs: Timothy Van Renterghhem; Stephen Lyons

Time	Paper no. (I/O)	Paper Title
14:00	25(I)	Sound Level Differences: ISO 9613-2: 2024 vs. ISO 9613-2: 1996 *Scott Noel*
14:20	192(I)	Changes introduced in ISO 9613-2:2024 *Simon Shilton, Wolfgang Probst*
14:40	94(I)	Shielding road traffic noise with a vegetation belt *Luc Goubert*
15:00	84(I)	Reconstruction of Outdoor Acoustic Fields *Rafael Castro Mota, Ramesh Subramanyam, Christian Van Aswegen, Stefan Jacob*
16:00	257(I)	Low-frequency noise emissions from a large open-pit mine operation: insights from long-term field monitoring *Binghui Li, Heath Sturgess*
16:20	270(I)	Assessment Criteria for Concert Noise Events *Abeer Ahmed, Neil Mackenzie, Moharis Kamis*
16:40	294(I)	National coverage road traffic noise mapping with CNOSSOS-EU *Simon Shilton, James Trow, Hilary Notley*
17:00	459(I)	Quantifying the Silence: A National Strategic Transport Noise Map and its Implications for Public Health and Property Economics in Australia *Ben Hinze*
17:20	521(I)	Experimental Study on Outdoor Sound Absorption Devices in Subtropical Countries *Yi Hsing Chang, Pin Chieh Chen, Ching-Ya Tseng, Yen-Chieh Yu, Yaw-Shyan Tsay*
17:40	798(I)	Change of the waveform of impulsive sound due to air absorption *Till Kuehner*

3.1.6 Advances in Noise Mapping

Room: 2. Riverbank Room 6
Time: 14:00–15:00
Session Chairs: Ben Hinze; Gaetano Licitra

Time	Paper no. (I/O)	Paper Title
14:00	117(I)	Optimisation of the Number of Vehicles and Trajectory Distribution Using Traffic Simulations for Mobile Noise Mapping Campaigns *Franck Vásquez, Andreu Balastegui, Teresa Pàmies, Guillermo Quintero Perez*
14:20	474(I)	Automatic identification and quantification of non-traffic sound sources for mobile noise measurements *Guillermo Quintero Perez, Andreu Balastegui, Erick Gutierrez Zeferino*
14:40	661(I)	A Multidisciplinary Approach to Developing a Web-Based Noise Prediction Tool *Lance Jenkin*

3.2.3 Measurement and Prediction of Airborne and Impact Sound Insulation

Room: 2. Riverbank Room 2
Time: 14:00–17:20
Session Chairs: Youngmin Kwon; Peter Pirozek

Time	Paper no. (I/O)	Paper Title
14:00	303(I)	A Comparative Evaluation of Machine Learning Models for Predicting the Sound Insulation of Mass Timber Floors *Markus Mörwald, Luca Reitberger, Mert Dogu, Steffen Marburg*
14:20	138(I)	Discrepancies in airborne sound insulation performance between INSUL predictions and laboratory measurements of single-stud partitions (timber and steel) *Maro Puljizevic, Milan Grasic, Tadej Poljansek*
14:40	641(I)	Accuracy of prediction methods for the sound reduction of light weight walls with timber stud or steel stud framing *Daniel Griffin*
15:00	390(I)	A High-Efficiency WaveBoard Trex Noise Control Frame System for Rapid Construction and High-Performance Sound Insulation *Denny Hermawanto, Vicky Halim Maulana*
16:00	104(I)	Reduction of floor vibration related to heavy-weight floor impact sound by using dry-construction method walls *Tomoaki Uemura, Norihisa Hashimoto, Masatoshi Harada, Shinji Ito*
16:20	36(O)	Research on the Impact Sound Insulation Enhancement of Floor Slabs Using PVC Flooring. *Tiantian Shen, Haitao Sun*
16:40	334(I)	Study on a Floor Impact Sound Measurement Method Using Rubber Ball Excitation to Reproduce the Frequency Characteristics of Tire Excitation *Ryuta Tomita, Yuta Okuyama*
17:00	604(I)	Frequency Characteristics and Excitation-Position Variability of Heavyweight Floor Impact Sound by Dwelling-Size Class in Apartment Buildings *Ki Sun Bae, Yun Jae Lee, Yong Hee Kim, Sang Hyun Lee, So Hyeon Baek*

3.2.8 Low-carbon Acoustic Treatments and Design Solutions

Room: 4. City Room 1
Time: 14:00–15:40
Session Chairs: Deb James; Amanda Robinson

Time	Paper no. (I/O)	Paper Title
14:00	55(I)	An investigation of the sound and thermal insulation of facades' wood assemblies by considering environmental impact aspects *Ibrahim Jaber, Sylvain Menard, Mohamad Bader Eddin*
14:20	232(I)	Sound insulation and sustainability: Analysing the trends in global warming potential and sound insulation for acoustically rated walls *George Edgar, Malcolm Dunn, Daniel Griffin, Matt Johnston*
14:40	245(I)	Lifecycle assessment, circularity, and acoustic design. *Jonathan Mountfort*
15:00	514(I)	Impact noise fibrous insulation material made from recycled dryer lint *Cristian Benavides, Jorge P. Arenas*
15:20	782(I)	Acoustic Performance of Low-Carbon Hempcrete: Experimental Transmission Loss Analysis of Alternative Binder Systems *Qiaoxi Zhu, Siddharth Nair, Mahmoud Karimi, Quang Dieu Nguyen, Danielle Moreau, Arnaud Castel*

3.3.2 Measurement and Prediction of Sound Absorption in Reverberation Rooms

Room: 4. City Room 3
Time: 14:00–15:40
Session Chairs: John Davy; Chiara Scrosati

Time	Paper no. (I/O)	Paper Title
14:00	80(I)	Application of the perimeter-to-area method to the prediction of sound absorption coefficients of sound baffles *Yebin Moon, Daeup Jeong*
14:20	219(O)	Evaluating Spaciousness in Peking Opera Theatres: The Role of Key Acoustic Indicators3 *Chenshuo Liu, Chao Wang, Hui Ma*
14:40	290(I)	Validity of Non-Standard Room Impulse Response Measurements in Room Acoustics and Auralization *Kristian Jambrošić, Marko Horvat, Vedran Planinec, Ivan Ucović*
15:00	589(I)	Numerical evaluation of the diffuseness of incidence directivity upon an absorbing specimen in a reverberation room *Ryo Hagiwara, Tetsuya Sakuma*
15:20	597(I)	A reconsideration on the in-situ measurement method using the ensemble averaging technique and two microphones *Toru Otsuru, Reiji Tomiku, Noriko Okamoto*

3.4.4 Measurements and Characterization Methods for Acoustical Materials

Room: 2. Riverbank Room 8
Time: 14:00–17:40
Session Chairs: Shanjun Liang; Long Chen

Time	Paper no. (I/O)	Paper Title
14:00	365(I)	Physics-based inverse method for acoustic characterization of rigid ceramics with log-normal porosity *Mingliang Zeng, Hequn Min, Ningning Rong, Wenxiang Li, Suogui Zhang*
14:20	420(I)	Experimental and theoretical estimation of sound absorption coefficients from CT scan images of long-grain rice straw *Shuichi Sakamoto, Yoshiaki Kojima, Kenta Saito, Zulhafiz Syazmi Bin Roslan, Shui Miyata, Ryuki Kiuchi*
14:40	491(I)	Airflow-Transparent Noise Barriers under Curvilinear Coordinate Systems *Shanjun Liang, Sun-pui Zerance Ng*
15:00	577(I)	Acoustic characterization and in-situ performance evaluation of a plaster-coated sound-absorbing system using recycled materials *Aakriti Shrestha, Kenji Matsuzaki, Kimie Yoshitani, Helge Hansen, Sagun Shrestha, Takafumi Shimizu*
16:00	656(I)	Absorption of textiles, curtains and perforated panels: updated comparison of theory, measurement and practice *Cameron Hough, Harvey Law*
16:20	672(I)	Distribution-Based Microstructural Modeling for Sound Absorption Prediction in Fibrous Porous Materials *Do Yong Kim, Jung Wook Lee, Jin Hyung Lee, Yeon June Kang*
16:40	697(I)	Strategies for reducing air leaks and edge constraints in transmission loss measurements of rigid, non-porous, dense materials in impedance tubes *Jonty Mago, J. Stuart Bolton, S. Fatima*
17:00	681(I)	Sound Absorption Characteristics of Hybrid Acoustic Meta-Surfaces Comprising Triply periodic minimal surfaces and Helmholtz Resonators *Keigo Kuwata, Akiko Sugahara, Yasuhiro Hiraguri*
17:20	698(I)	Diffuse-field sound transmission loss estimation for multilayer composite panels developed from end-of-life high-density polyethylene shampoo bottles and jute caddies *Jonty Mago, J. Stuart Bolton, S. Fatima*

4.2.9 Sound as a Service for Sustainable Environments

Room: 2. Riverbank Room 4
Time: 14:00–15:00
Session Chairs: Andy Chung; Linus Ang

Time	Paper no. (I/O)	Paper Title
14:00	142(I)	A Data-Driven Approach for Measuring Residential Soundscape and Implications for Urban Practice: Evidence from Suzhou, China *Jingwen Cao, Yafei Gu, Pingping Dou*
14:20	244(I)	A Pilot Study on the Relationship between Perceived Auditory Biodiversity and Soundscape Evaluation *Koji Nagahata, Sahara Matsui, Mizuka Yoshida*
14:40	269(I)	Applying ISO/TS 12913-2:2018 Soundwalk Method for Soundscape Assessment in the Heritage Streets of Melaka: A Pilot Study *Nurul Amira Abd Jalil, Nazli Bin Che Din, Zalina Samadi*

4.4.1 Art, Music & Science: General

Room: 4. City Room 4
Time: 14:00–15:20
Session Chairs: Stephen Whittington; TBC

Time	Paper no. (I/O)	Paper Title
14:00	66(I)	Acoustics, Music Education and Ski-hill Graph Pedagogy *Andrea Calilhanna*
14:20	136(I)	Investigation of the Impact of Inter-Performer Distance on Stage Acoustics: Focusing on Directional Early Reflection Energy from Other Performers *Hitomi Yatani, Aakriti Shrestha, Takafumi Shimizu*
14:40	235(O)	Opera, Media, and Sound Technology
Juliana Spector		
15:00	480(I)	Acoustic Transmission Characteristics of Traditional Japanese Paper Masks Used in Iwami Kagura Performances *Takafumi Shimizu, Aakriti Shrestha, Damjan Pecioski, Simona Markovska, Kenji Kakita*

1.1.1 Physical Acoustics & Elastic Waves: General

Room: 2. Riverbank Room 6
Time: 16:00–18:00
Session Chairs: Kostas Tsigklifis; Jamie Kha

Time	Paper no. (I/O)	Paper Title
16:00	831(I)	Acoustic Characterization of Agarose Hydrogels for Ultrasonic Imaging Applications *Nico Declercq, Esma Tuzovic*
16:20	301(I)	Assessment of a 2D NPE Propagation for Military Jet-Noise Applications *Davide De Carvalho, Benoît G. Marinus, Kristof Harri, Francis Moiny*
16:40	455(O)	Influence of size and orientation of rigid elliptical object on acoustic scattering patterns at different frequencies *Avijit Majee, Dinesh Chand Foujdar, Vikas Sablaniya, Amrita Puri*
17:00	537(I)	Weakly nonlinear multimodal wave propagation in a two-dimensional flexible waveguide carrying a fluid with mean flow *Manish Dwivedi, Venkata R. Sonti*
17:20	599(I)	Acoustic Properties of a Multi-layered Solid-Fluid Material *Karthik Modur, Alexei Skvortsov, Ian MacGillivray, Gyani Sharma, Nicole Kessissoglou*
17:40	603(I)	Mixing-induced changes in granular material sound absorption explained by modified porous-frame geometrical parameters *Yousif Badri, George Dodd, John Edward Cater, Andrew Hall*

1.3.3 Acoustics and Vibration modeling of Electrical Machines

Room: 3. Panorama Room 3
Time: 16:20–17:40
Session Chairs: Will Robertson; TBC

Time	Paper no. (I/O)	Paper Title
16:20	399(I)	Time-Domain Prediction of Experimentally Measured Multirotor Noise Using Gaussian Process Models *Minhyuk Kim, Jeongwoo Ko*
16:40	653(I)	Energy-Based Electro-Mechanical Design Framework for Noise and Vibration in Power Electronic PCBs *Sae Higemoto, Toru Yamazaki, Yoshihiro Shirahashi, Tateki Oka*
17:00	674(I)	Multi-Physics Simulation for Vibration-Noise Analysis of an EV Coolant Actuator *JuYoung Kim, Jeongwoo Woo, Chan woo Park, Hong min Jang, Yeon June Kang*
17:20	710(I)	Electromagnetic Vibration and Noise Analysis of Servo Motors Using Finite Element Method *Hayato Naojima, Kazuhiko Ohno*

1.3.7 Acoustic Design using Optimization Methods

Room: 4. City Room 2
Time: 16:20–17:40
Session Chairs: Tongyang Shi; Yangfan Liu

Time	Paper no. (I/O)	Paper Title
16:20	120(I)	Inverse Design of the Perforated Plate with Tube-Bundles Using a Tandem Neural Network *Tonglin Xiang, Zhongjian Mei, Tongyang Shi*
16:40	129(I)	An effective non-gradient topology optimization approach for acoustic structure design *Pengpeng Cui, Jingwen Guo*
17:00	155(I)	Fast Neural Network–Based Inverse Design of Acoustic Devices Using Topology-Optimized Datasets *Zhaohua Li, Yuanze Li, Xiang Yu*
17:20	164(I)	Topology optimization using reinforcement learning for designing the inside layout of a muffler *Kee Seung Oh, Yoon Young Kim, Hayoung Chung, Joo Hwan Oh*

3.2.9 Sound Insulation of Facades and Facade Elements

Room: 3. Panorama Room 2
Time: 16:20–18:00
Session Chairs: Lars Sommer Søndergaard; Chiara Scrosati

Time	Paper no. (I/O)	Paper Title
16:20	78(I)	Experimental Investigation on Sound Insulation Performance of Curved Glass *Ayame Sato, Takashi Ishizuka*
16:40	738(I)	Sound insulation of partially open windows: Experiences applied for a new Annex in ISO 16283-3 *Lars Sommer Søndergaard, Birgit Rasmussen*
17:00	728(I)	Element and global method comparison for sound insulation measurements on partially open windows according to ISO 16283-3 *Chiara Scrosati, Lars Sommer Søndergaard, Francesco Bianco, Rasmus Stahlfest Holck Skov*
17:20	751(I)	What happens inside when the outside changes: Indoor levels in Toronto. *Nicholas Sylvestre-Williams*
17:40	545(I)	Acoustic, thermal and daylighting performances of non-balcony style apartment façades with louver-type sunshade profiles *Sang-eun JUN, Yong-hee Kim, Jun-young Kim*

4.1.5 Community Response to Noise

Room: 2. Riverbank Room 4
Time: 16:00–17:20
Session Chairs: Norm Broner; Jeffrey Parnell

Time	Paper no. (I/O)	Paper Title
16:00	695(I)	Identification of Metrics to Assess Community Response to Live Amplified Outdoor Music *Dana Lodico*
16:20	700(I)	Noise Annoyance Modelling for the Heterogeneous Transportation System: A Psychoacoustic Approach *Manish Manohare*
16:40	450(O)	Temporal Noise Exposure as a Hidden Driver of Urban Stress and Fatigue *Jeremiah Akinlade, Oludare Owolabi*
17:00	811(I)	A calibration method of noise annoyance data from listening tests *Guoqing Di*

4.1.6 Acoustics of Safety

Room: 2. Riverbank Room 7
Time: 16:20–18:00
Session Chairs: Jeongho Jeong; Glenn Leembruggen

Time	Paper no. (I/O)	Paper Title
16:20	685(I)	Study on emergency public address system designs considering for vulnerable individuals *Hyojin Lee, Jeongho Jeong*
16:40	706(I)	Influence of Wall Absorption Characteristics on Emergency Speech Intelligibility in Noise Barrier Tunnels *Wanki Moon, Soonseong Moon, Junoh Yeon, Heemo Goo*
17:00	785(I)	Evaluation of Speech Intelligibility of Firefighter Radio Communication Assistive Devices *Jeongho Jeong, Soyun Lee, Hyojin Lee, Insu Yeom*
17:20	786(I)	A Comparative Study on Airborne Sound Transmission Characteristics According to Installation Conditions of Fire Compartment Penetrations *Jeongho Jeong, Seungjae Lee, Daehoi Kim, Hyojin Lee, Inkwon Kim*
17:40	787(I)	Acoustic Insulation and Fire Safety Performance of Membrane Materials for Application in Noise Barrier Tunnels *Jeongho Jeong, Gyewon Park, Myeonghyeon Noh, Seongjun Choi, Jangbok Lee*

4.2.6 Innovative and Multisensory Approaches in Soundscape Studies

Room: 4. City Room 1
Time: 4:20–5:20
Session Chairs: Tim Oberman; Koji Nagahata

Time	Paper no. (I/O)	Paper Title
09:00	437(I)	Soundscape Design for Gait Rehabilitation in Children with Cerebral Palsy: A Multisensory Field Experiment *Xue Bai, Yue Wu*
09:20	629(O)	Unveiling the Soundscape Tapestry: Exploring Visual Creativity through Sonic Workshops *Gerald Estadieu, Sandra Olga Ka Man Ng, Jung-Chul Hur, Carlos Sena Caires*
09:40	712(I)	Characterising Visual Context for Soundscape Assessment Practices Using Eyetracking in Virtual Reality *Tin Oberman, Yuqi Liang, Andrew Mitchell, Francesco Aletta, Jian Kang*

4.3.6 Perception and Sound Design for Electric Vehicles

Room: 4. City Room 3
Time: 16:20–18:00
Session Chairs: Christina Kirsch; Katsuya Yamauchi

Time	Paper no. (I/O)	Paper Title
16:20	498(I)	Multi-method Approach to the Testing and Evaluation of an AVAS sound *Christina Kirsch, Andrew Johnston, Sam Ferguson, Baki Kocaballi, Jacob Hedges, Anjum Naweed, Judy Edworthy*
16:40	314(O)	Reinforcement Learning–Guided CNN Modeling of Perceptually Relevant Time–Frequency Mechanisms for Interior Sound Quality Evaluation of Electric Vehicles *Kun Qian, Ke Liu, Mengen Xin, Zhenlei Li, Baoheng Wang, Hao Wang, Ke Liu*
17:00	632(I)	Conveying vehicle state through manipulations of acoustic vehicle alert system sounds *Sam Ferguson, Judy Edworthy, Ian Stevenson, Jacob Hedges, Andrew Johnston, Christina Kirsch, Anjum Naweed*
17:20	585(O)	Reinforcement Learning–Based Parameter Optimization of CNN Models for Spectrogram-Based Interior Sound Quality Evaluation of Electric Vehicles *Kun Qian, Ke Liu, Yang Mao, Jiying Duan, Xikang Du, Zhanpeng Wang, Xinxin Zhang*
17:40	650(I)	Detectability and Localisation of Electric Bus Alert Sounds in a Simulated Sound Field *Jacob Hedges, Ian Stevenson, Sipei Zhao, Sam Ferguson, Andrew Johnston, Judy Edworthy, Anjum Naweed*

4.6.1 Noise Control & Social Sciences: General

Room: 4. City Room 4

Time: 16:20–18:00

Session Chairs: Tim Trewin; James McIntosh

Time	Paper no. (I/O)	Paper Title
16:20	14(I)	Simulation analysis on traffic noise control and noise reduction performance of urban elevated roads and expressways in China *Kexin Lu, Minmin Yuan, Xiaodong Shang, Yanqin Wang, Shufang Huang*
16:40	96(I)	History and Application of the VicRoads Traffic Noise Reduction Policy *James McIntosh*
17:00	385(I)	Acoustic Criteria, Administrative Sanctions, and Health in Environmental Noise Adjudication: Empirical Evidence from Chile *Nicolás Rendón Álvarez*
17:20	501(I)	Effectiveness Evaluation of Acoustic Camera Enforcement for Vehicle Noise in Dense Metropolitan Area of Taiwan *Yi-Hui Hsieh, Pei, Hsiou Ding*
17:40	665(I)	Quantifying decibel-denominated differences in community attitudes towards wind turbines from a community survey *Kenneth Kaliski, Ryan Haac, Ben Hoen*

Wednesday 12 August

1.2.1 Measurement Methods: General

Room: 3. Panorama Room 1
Time: 08:40–09:40
Session Chairs: Wan-Ho Cho; Con Doolan

Time	Paper no. (I/O)	Paper Title
08:40	737(I)	Investigating Acoustic Modal Analysis *Dale Smith, Oscar Carter, Paul Kirkwood*
09:00	783(I)	Absolute Measurement of sound pressure and particle velocity using a cardioid microphone in a standing wave tube *Kazuma Hoshi, Toshiki Hanyu*
09:20	832(I)	Investigations into the dynamics of axisymmetric rings *Ella Covington, Mahdi Mohammadi, Robert Perrin, Benjamin Halkon*

2.4.3 Wind Turbine Noise

Room: 2. Riverbank Room 5
Time: 08:40–10:00
Session Chairs: Stefan Jacob; Tom Evans

Time	Paper no. (I/O)	Paper Title
08:40	185(I)	Measurement of low frequency noise emission from wind turbines with acoustic measurement drones *Ramesh Raja Subramanyam, Christian van Aswegen, Criostoir Gerasch, Volker Wittstock, Stefan Jacob*
09:00	609(I)	Temperature Inversions Affecting Propagation of Wind Turbine Noise: A Long-Term Monitoring and Modelling Study *Duncan Halstead, Allan Munro, Brooklynn Bennitt*
09:20	634(I)	A Statistical Approach to Wind Energy Facility Alternative Monitoring Locations *Kai Fisher, Tristan Desombre, Sophie Gleeson, Kym Burgemeister*
09:40	825(I)	Effect of Vegetation Cover on Wind Turbine Noise Propagation in the Caatinga Biome, Brazil *Jarbas Souza Filho*

2.5.3 Underwater Acoustic Propagation

Room: 2. Riverbank Room 7
Time: 08:40–10:00
Session Chairs: Stephen Chang; TBC

Time	Paper no. (I/O)	Paper Title
08:40	283(I)	Extending BELLHOP for Efficient Multi-Source Transient Underwater Acoustic Simulation *Chung T. C. Fang, Anthony Zander, Eyad Hassan, Stephen Franklin, Will Robertson*
09:00	292(I)	Arctic Underwater Acoustic Denoising Using a Multi-FrFT Feature Bank and Parallel-GRU Self-Attention *Dawoon Lee, Ho Seuk Bae, Wookeen Chung, Wonki Kim*
09:20	452(I)	Introducing aubellhop: a modern Python interface to the Bellhop underwater acoustics ray tracing tool *Will Robertson, Mandar Chitre, Chung T. C. Fang, Anthony Zander*
09:40	735(I)	Distributed Acoustic Sensing of the Ocean using Subsea Fibre-Optic Cables: Calibrating the System to Sound Pressure *Henry A. Debens, Denise McCorry, Evgeny Sidenko, Alexander Gavrilov, Christine Erbe, Robert McCauley*

3.2.5 Addressing Noise and Vibration Problems in Buildings

Room: 2. Riverbank Room 3
Time: 08:40–12:00
Session Chairs: Volker Wittstock; TBC

Time	Paper no. (I/O)	Paper Title
08:40	251(I)	Swimming pool structure-borne noise characterisation and mitigation: a case study *Sara Mccafferty, Bradley Thompson, Sasho Temelkoski, Bojan Todorovski*
09:00	458(I)	Room Acoustics and Occupied Noise Levels in Maximum-Security Prison Remand Units: An Observational Field Study in New South Wales *Luke Strong, Densil Cabrera, Yoshimi Hasegawa, Rohan Lulham*
09:20	580(I)	User comfort in unexpected acoustic environments *Megan Short, Michael Waddington, Philip Faccenda*
10:40	368(I)	What can we do about LF impact noise complaints? *Filip Verbandt*
11:00	605(I)	Improving client understanding of impact noise using auralisations *Vaishnav Balaji, Alex Foster, Peter Harris*
11:20	784(I)	Reduction of Floor Impact Noise Using Acoustic Metamaterial Ceiling Panels and Measurement of Their Impact Sound Insulation Performance *Jeongho Jeong, Junhyuk Kwak, Jongjin Park, Hyojin Lee*
11:40	509(I)	On the uncertainty of velocity level difference measurements *Jeffrey Mahn*

3.4.3 Acoustic Multi-dynamic Materials and Metamaterials

Room: 2. Riverbank Room 2
Time: 08:40–15:00
Session Chairs: Liangzhou Wang; Long Chen

Time	Paper no. (I/O)	Paper Title
08:40	356(I)	Topology-optimized stochastic porous materials with tortuous channels for broadband low-frequency absorption *Ningning Rong, Hequn Min, Houcang Tian, Ruiyi Zhang, Wenxiang Li, Yuchen Zhao, Mingliang Zeng*
09:00	620(I)	Acoustic performance of microperforated panel absorber under water flow *Yat-Sze Choy, Ying Li, Chengyang Wang*
09:20	363(I)	Reconfigurable Membrane–Fiber Acoustic Metamaterials for Lightweight Noise Control *William Johnston, Bhisham Sharma*
09:40	358(I)	Low-frequency sound absorption of hierarchical double porosity materials with sinusoidal slit *Wenxiang Li*
10:40	424(I)	Topologically controlled metamaterial waveguides for acoustic delay line *Xing Liu, Caixia Du, Tian-Xue Ma, Yue-Sheng Wang*
11:00	556(I)	The potential of practical dihedral focusing acoustic retroreflectors *Densil Cabrera, Shuai Lu, Chang Hyok Cha, Ricardo Hernandez Vallejo*
11:20	436(I)	Hybrid Acoustic Metamaterials for Large-Area Topological Corner States *Caixia Du, Tian-Xue Ma, YueSheng Wang*
14:00	540(I)	More Than Meets the Ear: Perceptual Gains from Acoustic Metamaterials in Lightweight Construction *Andrew Hall, George Dodd, Gian Schmid, Vladislav Sorokin*
14:20	721(I)	Model-Based Investigation of Meta-Structures for Micro-Slit Panel Absorbers *Ralph Oscar Peterson-Veatch, Ziqi Chen, Bryn Peterson, Ning Xiang*
14:40	660(I)	Symmetry Reduction–Induced Isotropic Bandgap Broadening via Degeneracy Splitting in Hierarchical Sonic Crystals *Masahiro Izumi, Akiko Sugahara, Yasuhiro Hiraguri*

4.1.3 Sound Driven Place Making and Urban Planning

Room: 3. Panorama Room 3
Time: 08:40–11:40
Session Chairs: Jesse Budel; Luigi Maffei

Time	Paper no. (I/O)	Paper Title
08:40	48(I)	Subjective experiences and acoustic metrics in a small urban village *Luigi Maffei, Massimiliano Masullo, Roxana Adina Toma*
09:00	253(O)	Unveiling tranquility in urban public space and its influencing factors at the community scale *Shan Shu, Mengxue Wang, Xuechuan Geng*
09:20	98(I)	Designing with acoustics, not after it: integrating acoustic analysis into BIM as a continuous design input *Joshua Winning*
10:20	384(I)	Impact of Acoustic Environments on User Experience in Podium Roof Gardens within High-Density Districts *Zhixiao Deng*
10:40	425(I)	Exploring Participatory Sound Practices as Reflective Tools in Sound-driven Placemaking and Urban Planning *Sissel Raahede Lundgård*
11:00	519(I)	An Overview of Noise Control Regulations in Shanghai and Acoustic Environment Analysis in Typical Acoustic Functional Zone *Xiaonan Wang, Changqing Liu, Weichen Zhang, Yiping Chu, Jiahong Wu*
11:20	544(I)	Characterising urban open public spaces through acoustic, environmental and neighbourhood properties to determine potential quiet areas in European cities *Núria Blanes Guàrdia, Miquel Sáinz de la Maza, Anna Badia*

4.1.7 Noise and Health in Children

Room: 2. Riverbank Room 4
Time: 08:40–12:00
Session Chairs: Jan Spilski; Kanako Ueno

Time	Paper no. (I/O)	Paper Title
08:40	182(I)	Aircraft Noise Exposure and Reading Performance: The Moderating Role of Teacher Voice Problems in children with migration background *Miriam Spilski, Kirstin Bergstroem, Thomas Lachmann, Maria Klatte*
09:00	461(I)	Review of Effects of Environmental Noise on Children's Sleep, Learning, and Physical Fitness and the Benefits of Sleep Improvement Interventions *Yosiaki Sasazawa, Thulan Nguyen, Makoto Morinaga, Dongshik Kang, Minoru Kobayashi, Yasunori Oka*
09:20	560(I)	Does moderate exposure to noise at home and school help shaping attentional skills? *Timothy Van Renterghem, Nele De Poortere, Pieter Thomas, Hannah Keppler, Sarah Verhulst, Dick Botteldooren*
09:40	366(I)	Differential Effects of Biophilic, Social, and Traffic Sounds on Children's Cognitive Performance *Fei Qu, Yun Bai, Cynthia Hou*
10:40	21(I)	Supplementary Hearing Assessment Screening Method for Classical Music Students *Stephen Dance, Ruben Vazquez-Amos*
11:00	449(O)	Auditory-friendly activities for hypersensitive people with autism spectrum disorder in Japan *Hidetoshi Takahashi, Kanako Ueno, Nozomu Yoshizawa*
11:20	701(I)	Acoustic Environment and the Effects of Sound Absorption in an After-school Activity Space *Ayako Matsuo, Kanako Ueno, Rento Tanase, Sakiho Shiraiwa*
11:40	702(I)	A two-year field experiment on the effect of sound absorption on acclimation of children to kindergarten life *Ikuri Matsuoka, Nozomu Noguchi, Keiji Kawai*

4.2.7 Soundscapes from the Perspective of Arts/Human Sciences

Room: 2. Riverbank Room 6
Time: 08:40–10:00
Session Chairs: Nazli Bin Che Din; TBC

Time	Paper no. (I/O)	Paper Title
08:40	41(I)	Acoustic Immersion, Materiality, and Critical Spatial Practice at Fallingwater *Liyana Hasnan, Nazli Bin Che Din*
09:00	43(I)	Architectural Acoustic Filters for Integrating Orchestral Sound into Urban Soundscapes: A Case Study of Bukit Bintang *Nazli Bin Che Din, Lee Chiao Ying*
09:20	44(I)	What Lies Beneath the Noise: How Dominant Soundscape Conditions Shape Listening, Use, and Access in Dorchester Square, Montréal *Joey Zaurrini*
09:40	767(I)	Creative Intervention for Affective Perception of Technology-Dominated Soundscapes *Siyu Wu*

4.3.5 Sound Design

Room: 3. Panorama Room 2
Time: 08:40–09:40
Session Chairs: Seonghyeon Kim; Yu Huang

Time	Paper no. (I/O)	Paper Title
08:40	202(I)	Adaptive audio injection method for reducing cabin noise annoyance *Jianfeng Luo, Kean Chen, Hao Li, Fancheng Liu, Yunyun Deng, Huanqi Zhao*
09:00	664(I)	Perceptual Evaluation of Electric Bus Alert Sounds Using Immersive 360-Degree Virtual Reality Psychoacoustic Testing Environments *Andrew Johnston, Ian Stevenson, Sam Ferguson, Baki Kocaballi, Jacob Hedges, Anjum Naweed, Judy Edworthy*
09:20	746(I)	Evaluation of Electric Bus Alert Sounds: A Detection Distance Field Study *Ian Stevenson, Jacob Hedges, Sam Ferguson, Judy Edworthy, Anjum Naweed, Christina Kirsch*

2.1.3 Aircraft Exterior Noise

Room: 3. Panorama Room 1
Time: 10:20–12:00
Session Chairs: Michael Bauer; TBC

Time	Paper no. (I/O)	Paper Title
10:20	28(I)	Experimental Investigation and Validation of the Acoustic Radiation from a Duct *Ben Baddour, Christos Karatsovis, Laurence Wilmshurst, Chaitanya Paruchuri*
10:40	348(I)	Prediction of Jet–Surface Interaction Noise Using a Three-Dimensional Finite Pressure-Footprint Model *Lin Liu, Xiao dong Li*
11:00	395(I)	Aeroacoustic Mitigation of Slat Cove Noise via Integrated Metamaterial Liners *Hanjie Yang, Huanxian Bu, Xiao Song, Yifeng Sun, Jie Zhou*
11:20	469(O)	Analysis of the Grazing Airflow Impacts on the Sound Attenuation of Acoustic Metamaterials *Tenon Charly Kone, Sebastien Ghinet, Zacharie Laly, Anant Grewal*
11:40	677(I)	Recent Developments in J-FRAIN: Toward Parameter Estimation of Engine Noise Models Based on Acoustically Derived N1 *Tomohiro Kobayashi, Takatoshi Yokota, Koichi Makino, Toshiyasu Nakazawa, Naoaki Shinohara*

2.2.4 Noise Impact and Control for Low-Altitude Aviation

Room: 3. Panorama Room 2
Time: 10:20–15:00
Session Chairs: Siyang Zhong; Peng Zhou

Time	Paper no. (I/O)	Paper Title
10:20	492(O)	Data Quality of an App-Based Noise Perception Assessment for Distributed Electrified Propulsion Systems *David Straub, Rahman Al Mahmudur, Carla Bubeck, Clémence Dubois, Susanne Bartels, Stephen Schade*
10:40	503(I)	An experimental study of micro vortex generators on rotor performance enhancement under multiple operating conditions *Xiangtian Li, Bao Chen, Puyuan Wang, Wangqiao Chen, Peng Zhou, Xin Zhang*
11:00	518(I)	Synergistic aeroacoustic effects of owl-inspired multi-scale wing adaptations *Jiaxin Rong, Syun Taguchi, Aoi Kurosaki, Hao Liu*
11:20	732(I)	Comparative Analysis of Subjective Annoyance between sUAS and Helicopter Noise: A Study on the Korean Public Response *Seokhyeon Shin, Yeongmin Jo*
14:00	372(I)	Impact of flight protocols on noise exposure of nearby people during take-off and landing phases of lift-cruise eVTOLs *Zhengguang Li, Zhi Zhang, Yaoyao Jiang*
14:20	373(I)	On the noise reduction mechanisms of coaxial rotors with unequal radii *Zimo Wang, Han Wu, Sinforiano Cantos, Peng Zhou, Siyang Zhong*
14:40	378(I)	Acoustic Challenges in Future Mobility – Insights from Vertiport Design *Christian Vossart, Ullas Karicherry, Cheuk Yei Ho*

2.3.6 Railway Noise & Vibration

Room: 2. Riverbank Room 5
Time: 10:40–15:20
Session Chairs: Aaron Miller; Briony Croft

Time	Paper no. (I/O)	Paper Title
10:40	128(I)	Measurement and Analysis of Interior and Exterior Noise of Railway Vehicles *Tsung Hsien Tu*
11:00	722(I)	Acoustic Assessment of a Hydrogen-Converted Rail Engine Integrated with a Powerpack System *Prasad Braj Bhushan, Tommy Luft, Hermann Rottengruber*
11:20	407(I)	Regime Stratified Multiple Linear Regression Framework for Quantifying Honking-Induced Railway Noise Increment in Urban Corridors *Ravi Pratap Singh Jadon, Rajeev Kumar Mishra, Nasim Akhtar*
11:40	102(I)	A study on the influence of fasteners and close-fitting sound barriers on rail acoustic radiation using PABEM *Rong Deng, Gong Cheng, Xiaozhen Sheng*
14:00	415(I)	Deep Learning–Based Rail Corrugation Identification Using Onboard Interior Vibration and Noise Data *Xiao-zhou Liu, Huanheng Li, Yan Zhang*
14:20	730(I)	Efficient identification of special audible characteristics in wheel-rail interface noise *Philip Setton*
14:40	402(I)	Unidirectionally Coupled Vehicle–Track and Rolling-Contact Finite Element Modeling for Curve Passing Noise *Yuanpeng He*
15:00	266(I)	Prediction of Viscous Mode Coupling Squeal Noise Amplitude Under Combined Lateral and Longitudinal Creepage *Ratabhat Wangtawesap, Paul A. Meehan*

2.3.7 Noise Barriers and Noise Mitigation Methods

Room: 2. Riverbank Room 6
Time: 10:40–15:40
Session Chairs: Jean-Pierre Clairbois; Massimo Garai

Time	Paper no. (I/O)	Paper Title
10:40	231(I)	Investigation of the Sound Absorption Performance of Acoustic Metamaterials under High Sound Pressure Excitations *Sebastien Ghinet*
11:00	103(I)	Toward the characterization of low-height noise barriers for railways *Massimo Garai, Domenico De Salvio, Paolo Guidorzi*
11:20	167(I)	An efficient algorithm to calculate the diffracted sound field by a barrier with non-negligible thickness on a ground *Ling Yang, Sipei Zhao, Benjamin Halkon*
11:40	228(I)	Testing and verification concept to ensure the stability of noise barriers including laminated safety glass for use along railway lines *Immanuel Wojan*
14:00	484(I)	About the determination of the acoustic effectiveness of crown elements on noise barriers at a greater distance using close-proximity measurements *Jörn Hübelt, Christian Schulze, Mirko Ruhnau, Arved Thies, Fabio Strigari, Robert Putzger*
14:20	230(O)	Broadband Inverse Design of Acoustic Metamaterials Using a Hybrid Conv-Dense Autoencoder *Tenon Charly Kone, Sebastien Ghinet, Anant Grewal*
14:40	343(I)	Inclination-optimized ventilated curtain wall for railway noise mitigation in urban buildings *Yajing Di, Xiaodong Sha, Hequn Min, Yiquan Xu, Wanqian Yu, Zhilan Wang, Wensheng Wang*
15:00	30(I)	Research Study on the Acoustic Performance Associated with Deformation of metal noise insulation plate *Kimikazu Ikeya, Satoshi Obara, Tatsuaki Mori, Hiroshi Iwabuki, Go Oosawa, Emi Toyoda*
15:20	775(I)	Calculation of sound diffraction around a thick barrier using a practical calculation method for the ground reflection between double barriers *Yosuke Yasuda, Haruto Kobayashi, Jinyu Liu, Akinori Fukushima*

2.4.1 Industrial Noise & Vibration: General

Room: 2. Riverbank Room 8
Time: 10:20–15:20
Session Chairs: Ali Ahmadi; Tim Trewin

Time	Paper no. (I/O)	Paper Title
10:20	9(I)	A Validated Framework for Far-Field Noise Prediction of Containerized BESS: From Optimized Sound Power Measurement to Simulation *Caijun Ma, Guofu Li, Xueying Xu*
10:40	38(I)	Influence of manufactured flank waviness on the excitation behavior of gear teeth *Alois Wenig, Markus Rothemund, Michael Otto, Karsten Stahl*
11:00	57(I)	The application of the indoor adjustment for the assessment of industry noise in Victoria *Marc Buret, Elaine Just*
11:20	125(I)	Clamp-Integrated Tuned Mass Damper for Vibration and Noise Reduction in Converter Transformers *Yi Wang, Yurong Wang, Liangfeng Liu*
11:40	539(I)	Handling sound power level uncertainty with certainty: avoiding overconservative noise modelling in BESS and other arrayed facilities *Jet Kye Chong, Oskar Wesley-Smith, Alexander Stoker*
14:00	745(I)	Selected methods for modelling noise around large industrial plants *Tadeusz Wszolek, Bartlomiej Stepien*
14:20	321(O)	Time-Domain Aeroacoustic Analysis and Source Identification of Sirocco Fan *Kenji Oe, Tsukasa Yoshinaga, Akiyoshi Iida*
14:40	789(I)	Rating background noise levels and the NPfI intrusive noise criteria *Rodney Phillips, Angus Leslie*
15:00	243(O)	An Improved WGAN-GP-Based Data Augmentation Method for Acoustic Signals *Yiqi Wang, Yongsheng Yu, Linke Zhang*

2.5.2 Underwater Marine System Noise Radiation and Control

Room: 2. Riverbank Room 7
Time: 10:40–12:00
Session Chairs: Xia Pan; Ming Jin

Time	Paper no. (I/O)	Paper Title
10:40	77(I)	A new finite acoustic duct model and comparison with experiment in water *Richard Howell, Orddom Leav, Kostas Tsigklifis, Karthik Modur, Ian MacGillivray, Jeffrey Seers, Zach Drinkall*
11:00	109(O)	Reduced-frequency end-correction model for predicting the transfer impedance of underwater micro-perforated panels with large perforations *Jiayu Wang, Xiang Yu, Kai Zhou*
11:20	175(I)	Active Control of Vibration and Sound Radiation at the Stern of Underwater Vehicles Induced by Propeller Excitation *Yaqi Tian, Cong Zhang, Lei Yang, Xincong Zhou*
11:40	612(I)	Efficient Underwater Noise Prediction Using an H-Matrix Direct BEM Solver for Partially Submerged Vessels *Massimiliano Calloni, Kamel Amichi, Chadwyck Musser, Pinak Salvekar*

1.3.1 Modeling & Simulation Techniques: General

Room: 3. Panorama Room 1
Time: 14:00–15:40
Session Chairs: Elke Deckers; Massimo Garai

Time	Paper no. (I/O)	Paper Title
14:00	255(I)	Contemporary Noise and Vibration Tool for Metro Systems *Rukmangad Sanjay Barad, Parsa Mofrad*
14:20	559(I)	Topology optimization of vibration band gaps in a metamaterial plate for low-frequency vibration isolation *Chandramouli Padmanabhan, Chaitanya Morey, Tahsin Khajah, Sundararajan Natarajan*
14:40	690(I)	The Lombard effect - Further validation of prediction parameters for the expanded model of patron conversational noise levels. *Glenn Leembruggen*
15:00	708(I)	Damping Performance and Variability of Sub-Millimeter Particle Dampers Based on Cycle-Resolved Energy Dissipation *Sachito Nakano*
15:20	763(I)	Modelling and Mitigation of Isolator Surge Modes in Vibration Isolation Systems *Ben White*

1.3.5 Artificial Intelligence and Machine Learning for Diagnosis in Acoustics & Vibration

Room: 2. Riverbank Room 4
Time: 14:00–15:20
Session Chairs: Adrian Morris; TBC

Time	Paper no. (I/O)	Paper Title
14:00	209(O)	Deep learning-based filtering of cross-spectral matrices using generative adversarial networks *Christof Puhle*
14:20	659(I)	Transfer Learning-Based Multi-Fidelity Deep Neural Network Modeling for Aerodynamic and Noise Optimization of a Dryer Centrifugal Fan System *Mun Seong Hwang*
14:40	741(I)	Vibration-Based Fault Diagnosis of Vehicle Axle with Physics-Guided Deep Neural Network: A mathematical Approach *Jaewon Song, Byeongil Kim*
15:00	768(I)	Validation of bending wave speed of viscoelastic panels using a transfer function method *Ning Xiang*

1.7.4 New Applications of Active Control

Room: 2. Riverbank Room 3
Time: 14:00–15:40
Session Chairs: Chang Cheng-Yuan; TBC

Time	Paper no. (I/O)	Paper Title
14:00	143(I)	A Method for Optimizing the Position of Secondary Sound Sources in Vehicle Active Noise Control Based on Particle Swarm Optimization *Jianwang Shao, Sen Wang, Liqiang Yang, Yuyang Zhang, Xian Wu, Chang Jin*
14:20	144(I)	Numerical Simulation and Experimental validation of Active Control of Vehicle Interior Air Conditioning Noise Based on FxLMS *Jianwang Shao, Sen Wang, Liqiang Yang, Yuyang Zhang, Xian Wu, Chang Jin*
14:40	333(I)	Practical Application of Spatial ANC Systems to Mitigate Inter-floor Noise *Youngmin Kwon, Seongmo Jung, Jinmu Lee, Hyounsuk Kim, Jinho Joo*
15:00	355(I)	Time-domain simulation of wave-based active structural cloaking on a flexible beam using adaptive feedforward control *Yuki Takahashi, Hiroyuki Iwamoto, Nathan Wendt, Nicole Kessissoglou*
15:20	570(I)	Combined Active Noise Control and Hear-Through Designs to Improve Speech Clarity in an In-Ear Headphone *Chong-Rui Huang, Cheng-Yuan Chang*

2.3.3 Acoustic Properties of Road Pavements

Room: 2. Riverbank Room 7
Time: 14:00–15:40
Session Chairs: Paul Donavan; Ulf Sandberg

Time	Paper no. (I/O)	Paper Title
14:00	727(I)	Noise-reducing pavements 100-200 years ago: The wood block story *Ulf Sandberg*
14:20	406(O)	Leveraging Data Analytics to Map Traffic Noise Variability: A Framework for Urban Noise Management *Oluwafisayo Adeolu, Adekemisola Olufunmilayo Asahiah, Oludare Adegbola Owolabi*
14:40	802(I)	Development and Noise Reduction Performance of a Pelletized Reactive Crumb Rubber Modifier for Dry-Process Asphalt Pavements *Hyunjin Kim, Jae Eung Lee, Byungchae Kim*
15:00	296(O)	Prediction and Control of Traffic Noise from Highway Overpasses- A Case Study of the Xintang TOD Project in Guangzhou *Hongwei Wang, Sijia Fang, Enhe Wu*
15:20	810(I)	Assessment of Tire Inflation Pressure Effects on Two-Wheeler Tire–Pavement Interaction Noise Using an Adapted On-Board Sound Intensity Methodology *Sanjay Chandrasekar, Radhika B, Sriram Sundar, Krishna Prapoorna Biligiri*

3.2.4 Structure-borne Sound and Equipment Noise in Buildings

Room: 3. Panorama Room 3
Time: 14:00–15:00
Session Chairs: Siu-Kit Lau; TBC

Time	Paper no. (I/O)	Paper Title
14:00	258(I)	Study on the target frequency range for vibration evaluation based on measurements of real detached houses exposed to traffic vibrations *Toru Matsuda, Ryuta Tomita*
14:20	626(I)	Acoustic performance of floating floors in gyms: a comprehensive analysis of point bearings build-ups under weight drop excitation *Arthur Deschamps*
14:40	639(I)	Field Investigation of Impact Acoustic Performance of a 280 mm BubbleDeck Slab Under Early Construction Conditions *Emma Linnea Gjers*

Posters

Monday 10 August

Stream 4: Human Factors

Room: 1. Hall F/G
Time: 10:40–12:20
Session Chairs: Arvind Deivasigamani

Time	Paper no. (I/O)	Paper Title
10:40	12(I)	Psychoacoustic analysis and soundscape assessment for the seaside and green parks in Hong Kong *Supeng Deng*
10:40	61(I)	Comparing Sensitivity Scales: HSP, Noise Sensitivity, and Inter-floor Noise Sensitivity among Korean Adults *Wonyoung Yang, Yoonseong Kim, Songmi Lee, Jongkwan Ryu*
10:40	107(I)	The Influence Mechanism of Leisure Activity Noise in Typical Residential Communities: A Simulation Analysis Based on Multi-Source Urban Data *Jingwen Cao, Xin Li*
10:40	247(I)	Evaluating Acoustic Comfort through Facial Expressions: Analysis and Modeling Based on Facial Action Coding System *Jixiang Li, Jianxin Peng*
10:40	256(I)	Implementation and evaluation of a real-time classroom signal-to-noise- ratio measurement system *Felix Yan, Hugo Doughty, James Ochtman-Corfe, Suzanne C. Purdy, William Keith, C. T. Justine Hui*
10:40	353(I)	Effects of the horizontal movement speed of a frontal sound image on perceived noisiness *Yohji Ishii, Satoshi Hoshika, Daisuke Morikawa, Ryoga Ogura, Parham Mokhtari*
10:40	413(I)	Virtual Sound of Moving Display to Mask Operating Noise *Boseok Kang, Hyeoncheol Jo, Jongho Park*
10:40	666(I)	Deep Learning-Based Estimating Magnitude of Acoustic Fluctuation from Event-Related Potentials for Objective Assessment of Attentional States *Yuki Kameyama, Hirona Murakami, Shunsuke Ishimitsu*
10:40	669(I)	Noise Issues Surrounding Childcare Facilities and Their Relationship to Local Communities *Hiroko Kataoka*

Tuesday 11 August

Stream 3: Material, Architectural & Environmental Applications

Room: 1. Hall F/G
Time: 10:40–12:20
Session Chairs: Marc Buret; Densil Cabrera

Time	Paper no. (I/O)	Paper Title
10:40	169(I)	Frequency Dependent Just Noticeable Differences of Reverberation Time under Different Stimulus Conditions *EunJu Gong, Daeup Jeong*
10:40	323(I)	Fundamental study on quantifying directional strength via head movement data in a voice evacuation guidance system using the precedence effect *Akeru Isshiki, Youichi Ito, Ayumu Osumi*
10:40	346(I)	Investigation on eccentric embedded acoustic black hole matrix for enhanced airborne sound insulation through thickness-direction asymmetry *Houcang Tian, Xiao Wen, Ruiyi Zhang, Qifeng Wu, Hequn Min*
10:40	397(I)	A Spatially Robust Ridge Regression Model for Short-Term Noise Forecasting in an Educational Campus *Ravi Pratap Singh Jadon, Arnav Gupta, Aryan Goel, Rajeev Kumar Mishra, Kranti Kumar*
10:40	662(I)	Bio-Based Sound Absorbers From Salt and Eggshell Composites for Acoustic Treatment in Public Spaces *Jorge J. Garcia, Edoardo A. Piana, Ondrej Jiricek*
10:40	663(I)	Analysis of Floor Impact Sound Reduction of Floor Finishing Materials Considering Slab Conditions in Apartment Buildings *Ahyeon Jo, Guk-gon Song, Jinyun Chung*
10:40	740(I)	Pipe Treatment Strategies for Reducing Bathroom Drainage Noise in Apartment Buildings *Guk-gon Song, Jin-yun Chung, A-hyeon Jo*

Tuesday 11 August

Stream 2: Industrial & Transportation Applications

Room: 1. Hall F/G
Time: 16:00–18:00
Session Chairs: Anthony Zander; Christine Erbe

Time	Paper no. (I/O)	Paper Title
16:00	42(I)	Application Research on Acoustic Metamaterials for High-Speed Train Noise Reduction *Leiwei Zhu*
16:00	165(I)	Overcoming Spatial Constraints in Airport Noise Management: A Data-Fusion Approach *Ben Eichler, Jimmy Clairbois*
16:00	173(I)	Optimization Design of Acoustic Metamaterial Ventilation Barrier for Broadband Noise Reduction *Yan Liu, Hongchen Liu, Xianpu Yuan*
16:00	242(I)	An Acoustic Signal Separation Method for Industrial Equipment Based on Improved Dual-Path Recurrent Network *Yinsheng Wan, Linke Zhang, Yongsheng Yu*
16:00	254(I)	Acoustic Anomaly Detection Based on LOF and VAE-GAN *Haowei Jiang, Linke Zhang, Yongsheng Yu*
16:00	295(I)	Feature Expansion Methods for Underwater Acoustic Denoising *Dawoon Lee, Ho Seuk Bae, Su-Uk Son*
16:00	315(I)	A SELD method based on cross-domain CST-former *Yuhang Zhou, Chunqiu Tang, Yongsheng Yu*
16:00	451(I)	Investigation of coal-based porous ceramics as acoustic treatment solutions for traffic tunnel environments *Ningning Rong, Hequn Min, Yuchen Zhao, Wenxiang Li, Suogui Zhang*
16:00	465(I)	Fractional Fourier Transform-Masked Autoencoders for Robust Classification of Marine Mammal Vocalizations *Dawoon Lee, Ho Seuk Bae, Dae Hyeok Lee, Yujin Lee*
16:00	619(I)	Noise-induced hearing loss in zebrafish model: Characterization of tonotopy and sex-based differences *June Choi, Hwee-Jin Kim*
16:00	676(I)	A Grid-Based Framework for Environmental Noise Mapping in UAM Route Planning *Sang-eun Jun, Kim Junyoung, Yong Hee Kim*
16:00	749(I)	Scale-model testing of railway bridge noise *Takeshi Sueki, Kota Ebie, Yasuhiro Shimizu*
16:00	769(I)	An Analysis of Boat Noise Based on Traffic Volume by Boat Type in an Apartment Room Facing a Canal *Haruki Yamamoto, Kenji Muto*
16:00	827(I)	Identification of Optimal Noise Evaluation Index for Urban Air Mobility *Seungmin Lee, Chan-Hoon Haan*

Wednesday 12 August

Stream 1: Vibration & Acoustical Engineering Science

Room: 1. Hall F/G
Time: 10:20–12:00
Session Chairs: Mahmoud Karimi

Time	Paper no. (I/O)	Paper Title
10:20	81(I)	Research on Simulation Technology of Interior Noise in Rail Vehicles Based on Vibro-Acoustic Equivalence *Shike Song, Yanju Zhao, Dawei Chen, Fang Tong, Shike Song, Hao Lin, Xiaojun Hu*
10:20	91(I)	Topology Optimization–Based Design and Experimental Validation of Locally Resonant Acoustic Metamaterial Sound Insulation Plates *Shoko Arita, Sunao Tomita, Sachito Nakano*
10:20	166(I)	Effect on Convergence Characteristics with Error Observation Point Configuration of Feedforward Active Noise Control employing Two Observed Errors *Kohtoku Shibasaki, Kenji Muto*
10:20	206(I)	Tunable bandgap characteristics of laminated beam with temperature-sensitive and geometric dual-gradient *Bing Han, Tao Xu, Cheng Li, Yutao Shi*
10:20	263(I)	Study on prediction of walking vibration in composite floors of larch laminated timber beams and reinforced concrete slab *Shinsuke Nishitani, Shintaro Fukuda, Yutaka Yokoyama*
10:20	268(I)	Fundamental Study on FEM Modeling for Environmental Vibration in Wooden Buildings *Shintaro Fukuda, Yuki Okubo*
10:20	330(I)	Broadband Low-Frequency Vibration Attenuation Using a Hybrid Vibro-Acoustic Metamaterial *Lingfeng Huang, Stefano Mori, Mostafa Ranjbar*
10:20	361(I)	Generative On-demand Design of Multilayer Micro-perforated Panels with Thickness Constraints via Conditional Variational Autoencoders *Xinrong Pan*
10:20	405(I)	Development of acoustic imaging-based evaluation methods for sustainable HVAC noise control *Kuen Wai Ma*
10:20	490(I)	Establishment of a Cutting-Edge Free-Field Anechoic Chamber at the Standards and Calibration Laboratory in Hong Kong *Andrew C. H. Au, Angus K. K. Tung, Man, Wong, Poon*
10:20	592(I)	Unsupervised Bearing Fault Detection via Saliency-Guided Time-Frequency Filters in Short Signals of C-EPS *Hyeon-Cheol Jo, Jun-Seo Park, Bo-Seok Kang*
10:20	638(I)	Sound field visualisation from a ring of simulated third-order ambisonics microphones *Caroline Gaudeoso, Nils Meyer-Kahlen, Sami Brandt*

Author Index

Previous AAS Conferences

Year	Title	Location
2025	Acoustics 2025 Joondalup: Sounds of the Sunet Coast	WA
2024	Acoustics 2024 Gold Coast: Acoustics in the Sun	QLD
2023	**Acoustics 2023 Sydney: Inaugural Meeting of ASA and AAS**	NSW
2022	Acoustics 2021 Wollongong: Making Waves	NSW
2019	Acoustics 2019 Cape Schanck: Moving Forward with Acoustics	VIC
2018	Acoustics 2018 Adelaide: Hear to Listen	SA
2017	Acoustics 2017 Perth: Sound, Science and Society	WA
2016	Acoustics 2016 The Second Australasian Acoustical Societies Conference	QLD
2015	Acoustics 2015 Hunter Valley	NSW
2014	**Inter-Noise 2014**	VIC
2013	AAS 2013 Victor Harbor - Science, Technology and Amenity	SA
2012	Acoustics 2012 Fremantle: Acoustics, Development and the Environment	WA
2011	Acoustics 2011 - Breaking New Ground	QLD
2010	**International Congress on Acoustics**	NSW
2009	Acoustics 2009: Research to Consulting	SA
2008	Acoustics 2008: Acoustics and Sustainability	VIC
2007	**Fourteenth International Congress on Sound and Vibration**	QLD
2006	Noise of Progress	NZ
2005	Acoustics 2005: Acoustics in a Changing Environment	WA
2004	Transportation Noise & Vibration The New Millennium	QLD
2003	**Wespac VIII - Acoustics on the move**	VIC
2002	Acoustics 2002: Innovation in Acoustics and Vibration	SA
2001	Acoustics 2001: Noise and Vibration Policy the way forward	ACT
2000	Acoustics 2000: Putting the Science and Technology to Work	WA
1999	Acoustics Today	VIC
1998	**ICBEN Congress. Noise Effects '98**	NSW
1997	**Fifth International Congress on Sound and Vibration**	SA
1996	Making Ends Meet: Innovation and Legislation	QLD
1995	Acoustics Applied: Putting the Science and Technology to work	WA
1994	Noise and Sound: Nuisance and Amenity	NSW
1994	**International Conference on Underwater Acoustics**	NSW
1993	Progress in Acoustics and Vibration Control	SA
1992	Practical Acoustical Solutions	VIC
1991	**Inter-Noise - The Cost of Noise**	NSW
1991	**Western Pacific Regional Acoustics Conference IV**	QLD
1990	Interior Noise Climates	WA
1988	Noise in the Nineties	SA
1987	Acoustics in the Eighties	TAS
1986	Community Noise	QLD
1985	Motor Vehicle and Traffic Noise	NSW
1984	Developments in Marine Acoustics	NSW
1984	Noise and Vibration Legislation in Australia	WA
1983	The Economics of Noise Control	SA
1982	Aircraft Noise to the Year 2000	NSW
1981	Acoustics and Society	VIC
1980	**10th International Congress on Acoustics - Engineering for Noise Control**	SA
1979	Building Acoustics Design Criteria	VIC
1978	Occupational Hearing Loss - Conservation and Compensation	NSW
1976	Progress in Acoustics	VIC
1975	Planning for Noise	NSW
1974	Noise, Shock and Vibration	VIC
1972	Noise Legislation and Regulations	NSW
1971	Noise Zoning Conference	VIC
1969	Noise reduction of floors, walls and ceilings	NSW
1968	**International Acoustics Symposium**	VIC

Bold = International meeting

Previous INTER-NOISE Congresses

INTER-NOISE	Year	City, Country	Host Society
1	1972	Washington, USA	INCE-USA
2	1973	Copenhagen, Denmark	DAS
3	1974	Washington, USA	INCE-USA
4	1975	Sendai, Japan	ASJ
5	1976	Washington, USA	INCE-USA
6	1977	Zurich, Switzerland	I-INCE
7	1978	San Francisco, USA	INCE-USA
8	1979	Warsaw, Poland	PAN
9	1980	Miami, USA	INCE-USA
10	1981	Amsterdam, Netherlands	NAG
11	1982	San Francisco, USA	INCE-USA
12	1983	Edinburgh, UK	IoA
13	1984	Honolulu, USA	INCE-USA
14	1985	Munich, Germany	VDI
15	1986	Cambridge, USA	INCE-USA
16	1987	Bejing, China	AS
17	1988	Avignon, France	SFA
18	1989	Newport Beach, USA	INCE-USA
19	1990	Gothenburg, Sweden	SAS
20	1991	Sydney, Australia	AAS
21	1992	Toronto, Canada	CAA & INCE-USA
22	1993	Leuven, Belgium	ABAV
23	1994	Yokohama, Japan	INCE/J & ASJ
24	1995	Newport Beach, USA	INCE-USA
25	1996	Liverpool, UK	IoA
26	1997	Budapest, Hungary	OPAKFI
27	1998	Christchurch, New Zeland	NZAS
28	1999	Fort Lauderdale, USA	INCE-USA
29	2000	Nice, France	SFA
30	2001	The Hague, Holland	NAG
31	2002	Dearborn, USA	INCE-USA
32	2003	Jeju, South Korea	KSNVE/ASK
33	2004	Prague, Czech Republic	CAS
34	2005	Rio de Janeiro, Brazil	INCE/SOBRAC
35	2006	Honolulu, USA	INCE-USA & INCE-Japan
36	2007	Istanbul, Turkey	TAS
37	2008	Shanghai, China	ASC & IACAS
38	2009	Ottawa, Canada	INCE-USA & CAA
39	2010	Lisbon, Portugal	SPA & SEA
40	2011	Osaka, Japan	INCE/J & ASJ
41	2012	New York, USA	INCE-USA
42	2013	Innsbruck, Austria	OZL (ANAA)
43	2014	Melbourne, Australia	AAS
44	2015	San Francisco, USA	INCE-USA
45	2016	Hamburg, Germany	DEGA
46	2017	Hong Kong, China	HKIOA & HKPolyU
47	2018	Chicago, USA	INCE-USA
48	2019	Madrid, Spain	SEA
49	2020	Seoul, Korea	KSNVE
50	2021	Washington D.C., USA	INCE-USA
51	2022	Glasgow, UK	IoA
52	2023	Chiba, Japan	INCE-J, ASJ
53	2024	Nantes, France	SFA
54	2025	Sao Paulo, Brazil	ProAcoustica

Notes

Upcoming Events

Australian Acoustical Society

Acoustics 2027

National Conference of the AAS
TBA November 2027
Victoria, Australia

Acoustics 2028

Joint meeting of the AAS and ASNZ
November 2028
TBA
New Zealand

I-INCE

inter-noise 2027

22 – 25 August 2027
Padova, Italy

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St Mary Peak (officially known by its Adnyamathanha name Ngarri Mudlanha) is the highest mountain in the Ikara-Flinders Ranges National Park and the eighth-highest peak in South Australia, standing at 1,189 metres above sea level. It forms part of the magnificent outer rim of Wilpena Pound, a massive natural geological amphitheatre located approximately 430 kilometres north of Adelaide.