



International Institute of Noise Control Engineering (I-INCE)

Draft Minutes of the 48th Meeting of the General Assembly

Sunday, 2022 August 21, 13:00 – 15:30 (GMT+1)

Scottish Event Campus (Glasgow) and via Zoom

1. Call to order by the President

The 48th meeting of the General Assembly of the International Institute of Noise Control Engineering was convened at 13:00 on Sunday, 2022 August 21 by I-INCE President Robert Bernhard as a hybrid meeting – live in the Scottish Event Campus in Glasgow, and over a Zoom meeting conference call for delegates that were not present at the Inter-Noise congress in person.

2. Roll call of delegates

The roll call of the Member's Societies Delegates was conducted by the Secretary General Kristian Jambrošić. Attendance of representatives of Member Societies was verified using a sign-up sheet for those who were present in person, and for members present over Zoom by their introduction (name and society they represent). The GA attendance by Member Society representatives was as follows:

County	Member Society	Present (Yes/No)
Australia	Australian Acoustical Society	Yes
Austria	Oesterreichische Arbeitsring fuer Laermbekaempfung	No
Belgium	Belgian Acoustical Society	Yes
Brazil	ProAcústica Brazilian Association for Acoustical Quality	Yes
Brazil	Sociedade Brasileira de Acústica	Yes
Canada	Canadian Acoustical Association	Yes
China	Acoustical Society of China	Yes (online)
Croatia	Hrvatsko Akusticko Društvo	Yes
Czech Republic	Ceska akusticka spolecnost	No
Denmark	Dansk Akustik Selskab	Yes
Europe	Institute Noise Control Engineering	Yes
Finland	Akustinen Seura	Yes
France	Société Française d' Acoustique	Yes
Germany	Deutsche Gesellschaft für Akustik	Yes
Hong Kong	Hong Kong Institute of Acoustics	No
Hungary	OPAKFI	Yes
Israel	Israeli Acoustical Association	No
Italy	Associazione Italiana di Acustica	Yes
Japan	Acoustical Society of Japan	Yes (online)
Japan	Institute Noise Control Engineering	Yes
Korea	Acoustical Society of Korea	Yes
KSNVE	Korean Society Noise Vibration Engineering	Yes
Netherlands	Nederland Akoestisch Genootschap	Yes
New Zealand	New Zealand Acoustical Society	Yes
Norway	Norsk Akustick Selskap	Yes

Poland	Committee on Acoustics of the Polish Academy of Sciences	Yes
Portugal	Sociedade Portuguesa de Acústica	Yes (online)
Singapore	Environmental Engineering Society of Singapore	No
Slovakia	Slovenská Akustická Spoločnosť	No
Slovenia	Slovensko društvo za akustiko	No
Spain	Sociedad Española de Acústica	Yes (online)
Sweden	Svenska Akustika Sällskapet	Yes (online)
Switzerland	Schweizerische Gesellschaft für Akustik	Yes
Turkey	Türk Akustik Derneği	No
United Kingdom	Institute of Acoustics	Yes
USA	Acoustical Society of America	Yes
USA	Institute of Noise Control Engineering of the USA	Yes

3. Adoption of the Agenda

President Bernhard presented the agenda of the meeting ([Attachment 1](#)) and asked if there were any additions to it. There were none, so the agenda was approved.

4. Approval of the minutes of the Forty-Seventh Meeting

The Secretary General Jambrošić asked for any comments or suggestions for the previously circulated minutes of the 2021 General Assembly meeting. The minutes are posted on the I-INCE website under the link: <https://i-ince.org/wp-content/uploads/2023/01/2021-GA-Meeting-Minutes-FINAL.pdf>

No comments were received, and the Minutes were approved as posted.

5. Report of the President

President Bernhard made an overview over the state of I-INCE through several main points. The number of I-INCE member societies remains stable in this year. The leadership of the institute is active, and the Board of Directors was partly renewed in 2022. There is a small turnover, finances are stable despite the pandemics that forced two virtual editions of the Inter-Noise congresses. The dues for society members will not change in the future year. Tax exemption for I-INCE under the Swiss law has been successfully concluded. A new I-INCE website is being developed and will go live soon. Bernhard reminded that I-INCE organizes that an online archive with all previous Inter-Noise papers is available to its member societies. This is a significant benefit for all I-INCE members.

Regarding Inter-Noise series, there were 2 formal proposals for hosting Inter-Noise 2025 considered by the Congress Selection Committee (CSC). CSC has made its recommendations to the I-INCE Board and the I-INCE president will negotiate an agreement with the selected proposing member society and after the negotiation, he will announce a decision. A finalized agreement can be expected in about 3 months. Two informal proposals were received by the CSC for hosting the Inter-Noise 2026 from the Asia-Pacific region. Both will be invited to present a formal proposal in 2023. The geographical region considered by the CSC for hosting Inter-Noise 2027 Europe-Africa.

6. Report of the Secretary-General on the affairs of I-INCE

Secretary General Jambrošić took over his position from January 2022. There were no changes in I-INCE membership, except two Sustaining Members decided to leave I-INCE in 2021: GRAS and A-Tech S.A./N.V.

7. Composition of the I-INCE Board

President Bernhard presented the report of the Nominating committee ([Attachment 2](#)) which had been accepted by the Board at their meeting yesterday. The Officers and Directors for 2023 are shown below with bold text identifying new officers and directors, those reappointed to the Board for another term, or those taking on new roles:

President	Luigi Maffei	2023 - 2025
President-elect	Li Cheng	2023 - 2025
Immediate Past President	Robert Bernhard	2023 - 2025
Secretary General	Kristian Jambrošić	2022 - 2024
Treasurer	Doug Manvell	2016 - 2023
Vice President, Asia Pacific	John Davy	2023 - 2023
Vice President, Europe-Africa	Kerstin Persson Waye	2022 - 2024
Vice President, Pan America	Carolina Monteiro	2023 - 2025
VP, Development & Outreach	Gijsjan van Blokland	2020 - 2025
VP, Technical Activities	Patricia Davies	2018 - 2023
VP, Rules & Governance	Steve Hambric	2019 - 2024
VP, Communication & Webmaster	Eoin King	2022 - 2024
Director, INTER-NOISE 2020	Jin Yong Jeon	2021 - 2023
Director, INTER-NOISE 2021	Raj Singh	2022 - 2024
Director, INTER-NOISE 2022	Barry Gibbs	2023 - 2024
Director-at-Large, Europe-Africa	* to be elected	2022 - 2023
Director-at-Large, Pan America	Dana Lodico	2022 - 2024
Director-at-Large, Asia Pacific	* to be elected	2023 - 2025
Distinguished Board Member	Marion Burgess	2023 - 2023

Two Directors-at-Large (DaL) positions were vacant and had to be elected by the General Assembly. The first one was reserved for the Europe-Africa region, as the vacated position for Kristian Jambrošić, who switched to the position of Secretary General. The term for this position is only one year (2023) to be synchronous with the usual 3-year term cycle of the Director-at-Large for Europe-Africa region, but with a strong possibility to continue for another full term of 3 years (2024-2026).

The two candidates for this position were: Dariusz Pleban nominated by the Committee on Acoustics of the Polish Academy of Sciences, and Ercan Altinsoy nominated by the German Acoustical Society. Both candidates introduced themselves to the General Assembly. Their nomination information materials are attached ([Attachment 3](#) and [Attachment 4](#)).

The second vacant Director-at-Large position is reserved for the Asia-Pacific region for the 3 years term 2023-2025. There were again 2 candidates: Cheloung Cheong nominated by the Acoustical Society of Korea, and Jun Yang nominated by the Acoustical Society of China. Their nomination information materials are attached ([Attachment 5](#) and [Attachment 6](#)).

The elections were done in a hybrid manner. For all online participants with voting right there was an online voting system using the Zoom platform, and each voting participant could vote for one candidate among the two candidates for each DaL position. General Assembly participants present in person voted using paper ballots.

After the voting was concluded and all votes counted by the appointed committee, Ercan Altinsoy was elected for the position of Director-at-large for Europe-Africa region, and Cheloung Cheong was elected for the position of Director-at-large for Asia-Pacific region.

8. Report of the Treasurer of I-INCE

The I-INCE Treasurer Douglas Manvell presented the Treasurer's Report ([Attachment 7](#)) for 2022. He reported first on the audited report for 2021. In total, there was a net income (profit) of 4,083.29 EUR opposed to 11,245.00 EUR budget loss. There was a lower income from Inter-Noise 2020 fees and loss of sustaining members. Regarding expenses, Young Professionals Grant (YPG) for previous years in total of 15,746.19 EUR have not been handed over yet, but this will be done in the future. The equity amounts to 203,577.34 EUR, an increase from last year of 6,142.97 EUR. The Auditor statement for 2021 was received and approved by the General Assembly.

Manvell reported on the status of the 2022 budget. By this date, membership dues had been received from all active Member Societies. I-INCE has a financial coverage factor (equity vs expenses) of 4 which is similar to the levels before the Covid pandemic. The advertisement income for the NNI (Noise/News International) increased. Additional expenses are expected for the I-INCE website renewal, but this is already approved. We had unbudgeted tax arrears for the period 2015-2019 of 1745.52 EUR, which has been settled.

Afterward, the preliminary budget for 2023 was presented, which is still under discussion by the Board. There were no applications for I-INCE symposium in 2023, and the submission deadline has passed. Mainly the same expenses are expected, with fewer expenses for the NNI, but with increased Board meeting costs. An operating profit is expected at 1,825.00 EUR (1% of equity), and a coverage factor of 4.6 which is higher than for the year 2022. Tax identification number registered.

At the Board meeting prior to the General Assembly, Norm Broner was approved as the auditor for the I-INCE 2022 finances. Since there were no objections from the General Assembly, this was approved.

9. Membership of the Congress Selection Committee (CSC)

According to the procedures of the CSC, the General Assembly shall appoint members who shall serve for a three-year term, namely three regional members from each of the three regions. The Chairman of the CSC Luigi Maffei presented the current members of this committee ([Attachment 8](#)). Each member can stay in the committee for 2 terms, for a maximum of 6 years. A balanced slate is always proposed. He presented a slate of nominees for the period 2023-2025:

- For Pan-America region, Joe Cuschieri was proposed for a second term of 3 years,
- For Asia-Pacific region, John Davy was proposed for a second term of 3 years,
- For Europe-Africa region, a new CSC member was proposed - Bernhard U. Seeber. Maffei introduced the new candidate who couldn't attend the meeting.

These nominations were approved by the General Assembly.

10. Report on INTER-NOISE 2022 (Glasgow)

Barry Gibbs, Congress President of Inter-Noise 2022, gave a report on the congress organization ([Attachment 9](#)). The total number of delegates is 1,244, with 949 in-person and 295 virtual participants. 427 participants were Early Career participants. 755 papers are received for presentation. There are 44 exhibitors in the congress venue. 4 rooms will have constant live transmission during the congress, which is a compromise due to a high cost of live online streaming. Although the total balance of the congress will be positive, the hybrid components (4 parallel online live sessions including all keynotes, opening and closing ceremony) added around 100,000 GBP to the budget, but it seems that online participants were not causing a loss for the organizers. Final analysis after the congress should confirm this. A simple social event, at 20 GBP fee, replaced the traditional congress dinner, thus attracting 675 participants.

11. Report on planning for INTER-NOISE 2023 (Chiba)

The chair of Inter-Noise 2023 Shinichi Sakamoto reported on the preparation of next year's congress in Chiba ([Attachment 10](#)). He presented the conference venue, the technical program, key dates, social program. The organizers propose to have less live-streaming compared to IN22 in Glasgow, since the time frame in Japan is not very convenient for live-streaming for the rest of the world. Feedback from Glasgow will influence the final decision on the hybrid part of the congress.

12. Report on status of current I-INCE technical activities

The I-INCE Vice President Technical Activities, Patricia Davies, reported on the technical activities as part of Inter-Noise 2022 ([Attachment 11](#)). She announced two meetings of the Future Congress Technical Planners committee (FCTP) during Inter-Noise 2022 as a help in planning technical programs for the next Inter-Noise congresses. She introduced the Young Professionals Grant Program with up to

20 travel grants (600 EUR/person), as well as the Young Professionals Mentorship program. Davies presented first impressions from the Practice of Noise Control School that took place on the same day as the General Assembly, and introduced the I-INCE Sponsored Symposia (one in 2022, but no applications for 2023).

13. Report of the I-INCE Vice President for Communications & Webmaster

The I-INCE Vice President Communications and Webmaster Eoin King, who took over the VP position from Joe Cuschieri in 2022, presented his report to the General Assembly ([Attachment 12](#)). The new website is mostly finished and live, but not published yet. The current I-INCE Website was last updated in 2013. Some contents must still be revised and still missing contents must be added to the new website. King reminded the Assembly of access to the I-INCE Digital Library and its value for I-INCE Member Societies. He also showed to the General Assembly the status of the Noise News International as he is the editor of this publication, and invited all interested to contact him with any contribution to NNI.

14. Other business

Joe Cuschieri introduced the Distinguished International Member program of the INCE-USA. To become part of this program, interested persons should be nominated by their member society. All societies who believe they know the right person to be nominated for this position should contact Joe Cuschieri.

Luigi Maffei stated that I-INCE had three very hard years because of the Covid pandemic, and he thanked Robert Bernhard for his leadership during his term, and for his calmness in leading the I-INCE during this period.

Bernhard regrets he was the “virtual” president, and thanked the whole Board for their cooperation, as well as to organizing committees of the two Inter-Noise congresses that had to be organized virtually (2020 and 2021).

15. Time and place of the next meeting

The 49th meeting of the General Assembly of I-INCE is tentatively planned for Sunday, 2023 August 23 at 13:00 (Chiba, Japan) prior to the opening of Inter-Noise 2023.

16. Closing of the meeting

The meeting was adjourned at 15:30 (Glasgow) by President Bernhard.

Kristian Jambrošić

I-INCE Secretary General

Draft Agenda of the 2022 I-INCE General Assembly Meeting

Time: 21 August 2022, 13:00 – 15:30 (GMT+1)

Location: Hybrid meeting - Scottish Event Campus (Glasgow) + online

1. Call to order by the President. (Bernhard)
2. Roll call of delegates. (Jambrošić)
3. Adoption of the Agenda. (Jambrošić)
4. Approval of the minutes of the Forty-Seventh Meeting held virtually in conjunction with INTERNOISE 2021, Washington, 2021 July 31. The draft minutes are posted on the I-INCE web site at: https://i-ince.org/files/assembly/2021_GA_Meeting_Draft_Minutes.pdf (Jambrošić)
5. Report of the President. (Bernhard)
 - Recent activities and developments
 - Current state and perspectives of I-INCE
 - Planning for future INTER-NOISE congresses 2023 - 2026
 - Other news of I-INCE
6. Report of the Secretary-General on the affairs of I-INCE. (Jambrošić)
 - Report of the Secretariat
 - Matters relating to I-INCE membership
 - Other matters related to the Secretariat
7. Composition of the I-INCE Board. (Bernhard)
 - Composition of the 2023 Board of Directors
 - Election of the Director at Large for Europe-Africa and Asia-Pacific
8. Report of the Treasurer of I-INCE. (Manvell)
 - Review of the audited account for fiscal year 2021
 - Report on the budget for 2022
 - Consideration of preliminary budget for 2023
 - Endorsement of appointment of 2022 auditor
 - Other matters related to the I-INCE Treasury
9. Membership of the Congress Selection Committee (CSC). (Maffei)

According to the procedures of the CSC (I-INCE Rules, Part 3) as posted on the I-INCE web site, the General Assembly shall appoint members who shall serve for a three-year term. The membership of the current CSC is:

President-Elect: Luigi Maffei	2020-2022
VP Asia/Pacific: Li Cheng	2021-2023
VP Europe/Africa: Kerstin Persson Waye	2022-2024
VP Pan America: Davi Akkermann	2019-2022

Europe/Africa

Antonino Di Bella	2020-2022
Stephen Martin Dance	2021-2023
María Machimbarrena	2022-2024

Pan America

Joe Cuschieri	2020-2022
Marcos Holtz	2021-2023
Sebastian Ghinet	2022-2024

Asia-Pacific

John Davy	2020-2022
Akira Omoto	2021-2023
Moon Kyu Kwak	2022-2024

The CSC Nominating Committee comprised of the Regional Vice Presidents and the Chair of the CSC will present a slate of candidates for the positions of those whose terms expire in 2022.

10. Report on INTER-NOISE 2022 (Glasgow) by a member of the Congress Organizing Committee.
11. Report on planning for INTER-NOISE 2023 (Chiba) by members of the Congress Organizing Committees.
12. Report on status of current I-INCE technical activities by the Vice President for Technical Activities. (Davies)
 - Future Congress Technical Planners (FCTP) meetings
 - Young Professionals grants and workshop
 - I-INCE Professional Practice School
 - I-INCE Symposia
 - Other matters related to I-INCE Technical Activities
13. Report of the I-INCE Vice President for Communications & Webmaster. (King)
 - Webpage updates
 - Member access to the data base of papers
 - Noise News International
 - Other matters related to I-INCE Communications
14. Other business.
15. Time and place of the next meeting.
16. Closing of the meeting.

I-INCE Board Composition

I-INCE Officers and Directors for 2022:

Those whose term ends in 2022 are highlighted in red:

President	Robert Bernhard	2020 - 2022
President-elect	Luigi Maffei	2020 - 2022
Immediate Past President	Marion Burgess	2020 - 2022
Secretary General	Kristian Jambrosic	2022 - 2024
Treasurer	Doug Manvell	2016 - 2023
Vice President, Asia Pacific	Li Cheng	2021 - 2023
Vice President, Europe-Africa	Kerstin Persson Waye	2022 - 2024
Vice President, Pan America	Davi Akkerman	2019 - 2022
VP, Development & Outreach	Gijsjan van Blokland	2020 - 2022
VP, Technical Activities	Patricia Davies	2018 - 2023
VP, Rules & Governance	Steve Hambric	2019 - 2024
VP, Communication & Webmaster	Eoin King	2022 - 2024
Director, INTER-NOISE 2019	Antonio Perez-Lopez	2020 - 2022
Director, INTER-NOISE 2020	Jin Yong Jeon	2021 - 2023
Director, INTER-NOISE 2021	Raj Singh	2022 - 2024
Director-at-Large, Europe-Africa	Kristian Jambrosic	2021 - 2023
Director-at-Large, Pan America	Dana Lodico	2022 - 2024
Director-at-Large, Asia Pacific	John Davy	2020 - 2022
Distinguished Board Member	Joe Cuschieri	2022 - 2022

Proposed board composition for 2023:

President	Luigi Maffei	2023 - 2025
President-elect	Li Cheng	2023 - 2025
Immediate Past President	Robert Bernhard	2023 - 2025
Secretary General	Kristian Jambrosic	2022 - 2024
Treasurer	Doug Manvell	2016 - 2023
Vice President, Asia Pacific	John Davy	2023 - 2023
Vice President, Europe-Africa	Kerstin Persson Waye	2022 - 2024
Vice President, Pan America	Carolina Monteiro	2023 - 2025
VP, Development & Outreach	Gijsjan van Blokland	2020 - 2025
VP, Technical Activities	Patricia Davies	2018 - 2023
VP, Rules & Governance	Steve Hambric	2019 - 2024
VP, Communication & Webmaster	Eoin King	2022 - 2024
Director, INTER-NOISE 2020	Jin Yong Jeon	2021 - 2023
Director, INTER-NOISE 2021	Raj Singh	2022 - 2024
Director, INTER-NOISE 2022	Barry Gibbs	2023 - 2024
Director-at-Large, Europe-Africa	to be elected*	2022 - 2023
Director-at-Large, Pan America	Dana Lodico	2022 - 2024
Director-at-Large, Asia Pacific	to be elected	2023 - 2025
Distinguished Board Member	Marion Burgess	2023 - 2023

* casual vacancy occurred as Kristian Jambrosic took on the position as Secretary General

Dariusz Pleban, BEng, PhD, DSc, is a professor at the Central Institute for Labour Protection – National Research Institute in Warsaw, Poland (CIOP-PIB), head of the Department of Vibroacoustic Hazards, and secretary of the CIOP-PIB Scientific Council.



In his research work, he deals assessment methods of occupational noise and of machinery and equipment noise emissions. His publishing achievements comprise more than 150 written works, including peer-reviewed articles in scientific journals (46 publications) and conference materials and compilations of a monographic nature. He is the editor and the co-author of the monograph “Occupational Noise and Workplace Acoustics. Advances in Measurements and Assessment Techniques” published in 2021 by CRC Press Taylor&Francis Group.

He is a member of the Committee on Acoustics of the Polish Academy of Sciences and in the period 2007-2011 he was the Secretary of the Committee on Acoustics. **Since 2016 he is the representative of the Committee on Acoustics of the Polish Academy of Sciences at the International Institute of Noise Control Engineering (I-INCE).**

Qualifications (received from AGH University of Science and Technology, Cracow, Poland):

- 1997: PhD, “Acoustic assessment of machines”
- 2014: DSc, “Acoustic quality of machines”

International activity:

- 2002-2005: Project Leader in the Fifth Framework Programme project No GMA1-2002-72090 „Centre for testing and measurement for improvement of safety of products and working life” (TEST-PRO-SAFETY-LIFE)
- 2005: editor of the conference proceedings from international conference on personal protective equipment
- 2001-2019: vice-chair of the Organizing Committee of the International Conference Noise Control
- 2022: chair of the Scientific Committee of the International Conference Noise Control 2022
- 2015-2022: International Congress on Sound and Vibration ICSV– chair of the Thematic Area “Industrial and occupational noise and vibration”
- 1996-2022: 16 papers presented at conferences the international Congress and Exposition on Noise Control Engineering INTER-NOISE (INTER-NOISE 1996, INTER-NOISE 1999 (x 2), INTER-NOISE 2003, INTER-NOISE 2004, INTER-NOISE 2010, INTER-NOISE 2012, INTER-NOISE 2013, INTER-NOISE 2015, INTER-NOISE 2016, INTER-NOISE 2017, INTER-NOISE 2018 (x 2), INTER-NOISE 2019, INTER-NOISE 2021, INTER-NOISE 2022)

Prof. Dr. M. Ercan ALTINSOY, born May 25th, 1974, male

Chair of Acoustics and Haptic Engineering Technische Universität Dresden, Institute of Acoustics and Speech Communication, 01062 Dresden, Germany. Tel.: +49 351 463 34253, Email: ercan.altinsoy@tu-dresden.de



Academic education and scientific qualification

2009 - 2015	Habilitation Electrical Engineering at Technische Universität Dresden, Germany, Degree: Dr.-Ing. habil. Professorial Thesis: Quality of Instationary Product Sounds and Vibrations
2001 - 2005	Ph.D. Electrical Engineering at Ruhr-University Bochum, Germany, Institute of Communication Acoustics, Degree: Dr.-Ing., „very good“
2002 - 2004	Ph.D. Researcher in Neuroscience, The International Graduate School of Neuroscience, at Ruhr University Bochum, Germany
1996 – 1999:	M.Sc. Mechanical Engineering at Technical University Istanbul, Chair of Machine Theory and Control, Degree: M.Sc., „very good“
1991 – 1996:	B.Sc. Mechanical Engineering at Technical University Istanbul; Degree: B.Sc.

Professional career

2017	Visiting Professor, Tohoku University, Japan
2016 -present	Director of Institute of Acoustics and Speech Communication, Technische Universität Dresden
2016 -present	Full Professor of Acoustics and Haptic Engineering, Technische Universität Dresden
2009 - 2016	Deputy Chairholder, Chair of Communication Acoustics, Technische Universität Dresden
2014	Appointment as “Full Professor (Chair) in Acoustics”, Chalmers University of Technology Goteborg, Sweden
2006 - 2009	Assistant Professor (Oberingenieur in German) and Leader of the Audiotactile Interaction Research Group, Chair of Communication Acoustics, Technische Universität Dresden
2004 - 2006	Project Engineer „Noise, Vibration, Harshness (NVH)” HEAD acoustics GmbH, Herzogenrath
2000 - 2004	Research Assistant, Institute of Communication Acoustics, Ruhr-University Bochum

Selected noise-related professional activities, awards

- Organization of structured sessions at Internoise regularly with various colleagues from USA, Asia and South America. Topic organizer “Perception & Health” at Internoise 2023 in Japan
- European Commission/Eureka financed international project on product sound quality and low noise product design
- Active participation to the Informal Group on Quiet Road Transport Vehicles (QRTV) of UNECE
- Active contribution to the workshop “Low Frequency Noise and Vibration” of Saxony State Foundation for Nature and the Environment/ Saxon State Office for the Environment, Agriculture and Geology, 2021
- Within the framework of the Boysen-TU Dresden-Research Training Group, research studies “Effects of mobility scenarios on noise and health” with Prof. Seidler from Medical Faculty and “Motorcycle noise”
- Chairperson of “Vehicle Acoustics Expert Committee” of the German Acoustical Society (DEGA)
- Active contribution to the workshop “Health Effects of Future Traffic Noise” at the Annual Meeting of the German Society of Social Medicine and Prevention (DGSM) 2018
- Member of Expert Group Noise “Arbeitsring Lärm (ALD)/FA Lärm” of the German Acoustical Society
- Organization of structured sessions with ALD/FA Lärm at Annual German Conference on Acoustics (DAGA) on Traffic noise / Motorcycle noise
- One of the organizers of the German Acoustical Society Symposium “Renewable Energies and Noise Control”, 2022
- PR activities on noise control – Several interviews on traffic noise/low frequency noise and vibration at German TV channels/newspapers/radars
- The Lothar-Cremer prize of the German Acoustical Association (DEGA), the highest recognition for young investigators, 2014
- Best Thesis Award for Judith Schultz “M.Sc. Thesis: Evaluation of noise at industrial workplaces”, Supervisor: Ercan Altinsoy
- Annual seminars on noise and vibration for school and university students

CHEOLUNG CHEONG

Curriculum Vitae

2022 May 25

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EDUCATION

- Ph.D. Department of Mechanical and Aerospace Engineering, Seoul National University, Seoul, Republic of Korea (2003).
M.S. Department of Mechanical and Aerospace Engineering, Seoul National University, Seoul, Republic of Korea (1999).
B.S. Department of Mechanical and Aerospace Engineering, Seoul National University, Seoul, Republic of Korea (1997).

PROFESSIONAL APPOINTMENTS

- 2020 – Present Director, Center for Advanced Refrigeration, Air-conditioning and Energy, Pusan National University
2015 – 2017 Director, Research Institute for Future Wind Energy Technology, Pusan National University
2006 – Present Professor, School of Mechanical Engineering, Pusan National University
2005 – 2006 Senior Researcher, Acoustics and Vibration Group, Korea Research Institute of Standards and Science
2004 – 2005 Research Associate, Institute of Sound and Vibration Research, University of Southampton, UK
2003 – 2004 BK21 Post-Doctor, Seoul National University.

RESEARCH INTEREST

Computational Aeroacoustics, Flow Noise, Fan Noise, High-speed Ground Vehicle Noise, Aircraft Noise, Valve & Pipe Flow Noise, Flow-induced Vibro-Acoustics, Structural Vibration, Acoustic measurements and characterization

AWARDS AND HONORS

- 2021.12.16 Paper Award, College of Engineering, Pusan National University
2021.11.04 Best Paper Award, The Acoustical Society of Korea
2018. 06.27 The 28th Science and Technology Excellence Paper Award, Korean Federation of Science & Technology Societies
2017.11.09 Academic Award, The Acoustical Society of Korea
2015.07.02 The 25th Science and Technology Excellence Paper Award, Korean Federation of Science & Technology Societies

REFEREED INTERNATIONAL JOURNAL ARTICLES

- [1] Songjune Lee, Cheolung Cheong, Byunghee Kim, Jaehwan Kim, “Comparative Analysis of Surface Pressure Fluctuations of High-Speed Train Running in Open-Field and Tunnel Using LES and Wavenumber-Frequency Analysis,” Applied Sciences, 11(24), 11702, 2021.
[2] Garam Ku, Junghoon Cho, Cheolung Cheong, Hanshin Seol, “Numerical investigation of tip-vortex cavitation noise of submarine propellers using hybrid computational hydro-

- acoustic approach,” *Ocean Engineering*, 238, 109693, 2021.
- [3] Gwangse Lee, Cheolung Cheong, “Frequency-domain prediction of broadband inflow noise radiating from a finite-thickness airfoil,” *Journal of Wind Engineering & Industrial Aerodynamics*, 213, 104618, 2021.
 - [4] Garam Ku, Cheolung Cheong, Hanshin Seo, “Numerical investigation of tip-vortex cavitation noise of an elliptic wing using coupled Eulerian-Lagrangian approaches,” *Applied Sciences*, vol. 10(17), 5897, 2020.
 - [5] Garam Ku, Cheolung Cheong, Iiryong Park, Hanshin Seol, “Numerical investigation of tip-vortex cavitation inception and noise of underwater propellers of submarine using sequential Eulerian-Lagrangian approaches,” *Applied Sciences*, vol. 10(23), 8721, 2020.
 - [6] Songjune Lee, Cheolung Cheong, Jaehwan Kim, Byung-hee. Kim, “Numerical Analysis and Characterization of Surface Pressure Fluctuations of High-Speed Trains Using Wavenumber-Frequency Analysis,” *Applied Sciences*, vol. 9(22), 4924, 2019.
 - [7] Semin Park, Seoyoon Ryu, Cheolung Cheong, et al. “Optimization of the Orifice Shape of Cooling Fan Units for High Flow Rate and Low-Level Noise in Outdoor Air Conditioning,” *Applied Sciences*, vol. 9(23), 5207, 2019.
 - [8] Garam Ku, Songjune Lee, Cheolung Cheong, Woong Kang, Kiksu Kim, “Development of High-Fidelity Numerical Methodology Based on Wavenumber-Frequency Transform for Quantifying Internal Aerodynamic Noise in Critical Nozzle,” *Applied Sciences*, vol. 9(14), 2885, 2019.
 - [9] Minh Ha, Cheolung Cheong, Hanshin Seol, Bugeun Paik, Minjae Kim, Youngrae Jung, “Development of Efficient and Accurate Parallel Computation Algorithm Using Moving Overset Grids on Background Multi-Domains for Complex Two-Phase Flows,” *Applied Sciences*, vol. 8(10), 1937, 2018.
 - [10] Dan Yao, Kwongi Lee, Minh Ha, Cheolung Cheong, Inhiug Lee, “Development of Hybrid Airlift-Jet Pump with Its Performance Analysis,” *Applied Sciences*, vol. 8(9), 1413, 2018.
 - [11] Sanghyeon Kim, Cheolung Cheong, Warngyu Par, “Numerical Investigation into Effects of Viscous Flux Vectors on Hydrofoil Cavitation Flow and Its Radiated Flow Noise,” *Applied Sciences*, vol. 8(2), 289, 2018.
 - [12] Kiksu Kim, Garam Ku, Songjune Lee, Sunggun Park, Cheolung Cheon, “Wavenumber-Frequency Analysis of Internal Aerodynamic Noise in Constriction-Expansion Pipe,” *Applied Science*, vol. 7(11), 1137, 2017.
 - [13] Sanghyeon Kim, Cheolung Cheong, Warngyu Park, “Numerical investigation on cavitation flow of hydrofoil and its flow noise with emphasis on turbulence models,” *American Institute of Physics(AIP) Advances*, vol. 7(6), 065114, 2017.
 - [14] Sanghyeon Kim, Cheolung Cheong, Jaeseong Park, Haeseung Kim, Hyojae Lee, “Investigation of flow and acoustic performances of suction mufflers in hermetic reciprocating compressor” *International Journal of Refrigeration (IJR)*, vol. 69, 74-84, 2016.
 - [15] Minh Ha, Cheolung Cheong, “Pitch motion mitigation of spar-type floating substructure for offshore wind turbine using multilayer tuned liquid damper,” *Ocean Engineering*, vol. 116, 157-164, 2016.
 - [16] Seung Heo, Cheolung Cheong, Taehoon Kim, “Unsteady Fast Random Particle Mesh method for efficient prediction of tonal and broadband noises of a centrifugal fan unit,” *American Institute of Physics(AIP) Advances*, vol. 5(9), 097133, 2015.
 - [17] Seung Heo, Minh Ha, Taehoon Kim, Cheolung Cheong, “Development of high-performance and low-noise axial-flow fan units in their local operating region,” *Journal of Mechanical Science and Technology*, vol. 29(9), 3653-3662, 2015.
 - [18] Daehwan Kim, Gwangse. Lee, Cheolung Cheong, “Inflow broadband noise from an isolated symmetric airfoil interacting with incident turbulence,” *Journal of Fluids and Structures*, vol. 55, 428-450, 2015.

- [19] Sanghyeon Kim, Cheolung Cheong, "Development of low-noise drag-type vertical wind turbines," *Renewable energy*, vol. 79, 199-208, 2015.
- [20] Daehwan Kim, Seung Heo, Cheolung Cheong, "Time-domain inflow boundary condition for turbulence-airfoil interaction noise prediction using synthetic turbulence modeling," *Journal of Sound and Vibration*, vol. 340, 138-151, 2015.
- [21] Gwangse Lee, Cheolung Cheong, "Prediction and analysis of infra and low-frequency noise of upwind horizontal axis wind turbine using statistical wind speed model," *American Institute of Physics Advances*, vol. 4(12), 127117, 2014.
- [22] C. Cheong, P. Joseph, "Cyclostationary spectral analysis for the measurement and prediction of wind turbine swishing noise", *Journal of Sound and Vibration* 333, 3153-3176, 2014.
- [23] S. Kim, S. Heo, C. Cheong, T.-H. Kim, Numerical and experimental investigation of the bell-mouth inlet design of a centrifugal fan for higher internal flow rate, *Journal of Mechanical Science and Technology* 27 (8), pp. 2263-2273, 2013.
- [24] G.-S. Lee, C. Cheong, "Frequency-domain prediction of broadband trailing edge noise from a blunt flat plate", *Journal of Sound and Vibration* 332 (21), 5322-5344, 2013.
- [25] G. Ren, S. Heo, T.-H. Kim, C. Cheong, Response surface method-based optimization of the shroud of an axial cooling fan for high performance and low noise, *Journal of Mechanical Science and Technology* 21(1), 33-42, 2013.
- [26] G-S. Lee, C. Cheong, S-H. Shin, S-S. Jung, "A case study of localization and identification of noise sources from a pitch and a stall regulated wind turbine", *Applied Acoustics*, Vol. 73, pp. 817-827, 2012.
- [27] D. Kim, C. Cheong "Time- and frequency-domain computations of broadband noise due to interaction between incident turbulence and rectilinear cascade of flat plates", *Journal of Sound and Vibration*, 331, 4729-4753, 2012.
- [28] Feng Guo, Cheolung Cheong, Taehoon Kim, "Development of Low-noise Axial Cooling Fans in a Household Refrigerator," *JMST*, Vol. 25 (12), pp. 2995-3004, 2011.
- [29] S. Heo, C. Cheong, T.-H. Kim "Development of low-noise centrifugal fans for a refrigerator using inclined S-shaped trailing edge", *International Journal of Refrigeration*, 34(8), 2076-2091, 2011.
- [30] Dingbing Wei and Cheolung Cheong, "Frequency-domain computation of inflow broadband noise due to interaction of a rectilinear cascade of flat plates with incident turbulence," *Journal of Mechanical Science and Technology*, 24(12), pp. 2431-2440, 2010
- [31] Su-Hyun Shin, Cheolung Cheong, "Experimental characterization of instrument panel buzz, squeak and rattle (BSR) in a vehicle," *Applied Acoustics*, Vol. 71, 1162-1168, 2010
- [32] Seungyub Lee, Seung Heo and Cheolung Cheong, "Prediction and reduction of internal blade-passing frequency noise of the centrifugal fan in a refrigerator," *International Journal of Refrigeration*, 33(6), 1129-1141, 2010.
- [33] D.Kim, C.Cheong , W.B.Jeong, "The use of a hybrid model to compute the nonlinear acoustic performance of silencers for the finite amplitude acoustic wave," *Journal of Sound and Vibration*, 329(11), 2158-2176, 2010.
- [34] Sungsoo Jung, Yongtae Kim, Yongbong Lee, Hocheol Kim, Suhyun Shin, Cheolung Cheong, "Spectrum of Infrasound and Low-frequency Noise in Passenger Cars," *Journal of the Korean Physical Society*, vol. 5(6), 2405~2410, 2009.
- [35] Cheolung Cheong, Vincent Jurdic, Phillip Joseph, "Decomposition of modal acoustic power due to cascade-turbulence interaction," *Journal of Sound and Vibration*, vol. 324(1-2), 57-73, 2009.
- [36] Yonghwan Park, Sungtae Kim, Soogab Lee, Cheolung Cheong, "Numerical investigation on radiation characteristics of discrete-frequency noise from scarf and scoop aero-intakes," *Applied Acoustics*, vol. 69(12), 1258-1269, 2008.
- [37] Sungsoo Jung, Wansup Cheung, Cheolung Cheong, Suhyun Shin, "Experimental Identification of Acoustic Emission Characteristics of Large Wind Turbines with

- Emphasis on Infrasound and Low-Frequency Noise,” *Journal of the Korean Physical Society*, vol. 53(4), 1897, 2008.
- [38] Cheolung Cheong, Phillip Joseph, Yonghwan Park, Soogab Lee, “Computation of aeolian tone from a circular cylinder using source models,” *Applied Acoustics*, vol. 69(2), 110-126, 2008.
- [39] Cheolung Cheong, Jewook Ryu, Soogab Lee., “Computation of Aeolian Tones from Twin-Cylinders Using Immersed Surface Dipole Sources,” *Journal of Mechanical Science and Technology*, vol. 20(12), 2292-2314, 2006..
- [40] Sungsoo Jung, Yongtae Kim, Cheolung Cheong, Hochul Kim, Wooseop Lee, “Noise barrier with top cylindrical tubes,” *Journal of the Korean Physical Society*, vol. 49(1), 145-149, 2006.
- [41] Cheolung Cheong, Phillip Joseph, Soogab Lee, “High frequency formulation for the acoustic power spectrum due to cascade-turbulence interaction,” *Journal of Acoustical Society of America*, vol. 119(1), 108-122, 2006.
- [42] Jewook Ryu, Cheolung Cheong, Sungtae Kim, Soogab Lee, “Computation of Internal Aerodynamic Noise from a quick-opening throttle valve using frequency-domain acoustic analogy,” *Applied Acoustics*, vol. 66(11), 1278-1308, 2005.
- [43] Jonghoon Bin, Chelung Cheong, Soogab Lee, “Optimized Boundary Treatment of Curved Walls for High-Order Computational Aeroacoustics Schemes,” *American Institute of Aeronautics and Astronautics Journal*, vol. 42(2), 414-418, 2004.
- [44] Jonghoon Bin, Chelung Cheong, Soogab Lee, “Optimized Boundary Treatment of Curved Walls for High-Order Computational Aeroacoustics Schemes,” *American Institute of Aeronautics and Astronautics Journal*, vol. 42(2), 414-418, 2004.\
- [46] Changwoo Lim, Cheolung Cheong, Seongryong Shin, Soogab Lee, “Time-domain Computation of Noise reduction by Diffraction and Finite impedance of Barriers,” *Journal of Sound and Vibration*, vol. 268(2), 385-401, 2003.
- [47] Cheolung Cheong, Soogab Lee, “Grid-Optimized Dispersion-Relation-Preserving Schemes on General Geometries for Computational Aeroacoustics,” *Journal of Computational Physics*, vol. 174(1), 248-276, 2001.
- [48] Cheolung Cheong, Soogab Lee, “The Effects of Discontinuous Boundary Conditions on the Directivity of Sound from a Piston,” *Journal of Sound and Vibration*, vol. 239(3), 423-443, 2000.

PROFESSIONAL AFFILIATIONS

Subject Editor, Applied Sciences	2020 – Present
Associate Editor-In-Chief, Acoustical Society of Korea	2017 – Present
Division Leader, Korea Society for Noise and Vibration Engineering	2016 – Present
Associate Editor, Journal of Mechanical Science and Technology	2010 – 2019



Dr. Jun Yang is the Distinguished Professor of Chinese Academy of Sciences (CAS) and the Deputy Director of Institute of Acoustics, Chinese Academy of Sciences (IACAS). He is also the Vice Dean of School of Electronic, Electrical and Communication Engineering (EECE), University of Chinese Academy of Sciences (UCAS). Dr. Jun Yang obtained the Ph.D. degree in acoustics from Nanjing University, China in 1996. From 1996 to 1998, he was a Postdoctoral Fellow with the Institute of Acoustics, Chinese Academy of Sciences (IACAS), Beijing, China. From October 1998 to April 1999, he was with Hong Kong Polytechnic University, Hong Kong, as a Visiting Scholar. From January 1997 to May 1999, he was with IACAS, as an Associate Professor. He joined the School of Electrical and Electronic Engineering (EEE), Nanyang Technological University (NTU), Singapore, as a Research Fellow, a Teaching Fellow, an Assistant Professor, and an Associate Professor, in 1999, 2001, 2003, and 2005, respectively. Since November 2003, he has been a Professor with IACAS. From January 2011 to April 2020, he was the Director of the Key Laboratory of Noise and Vibration Research, IACAS.

Dr. Jun Yang has contributed significantly to acoustics research and education. He has completed over 40 projects for industries and the government, and was granted over US\$50 million R&D funds. He has published over 400 journal and proceeding papers, and has been granted more than 70 patents. Many of his research results have been used in practical applications. He won the IES Prestigious Engineering Achievement Award in 2001, Gold Award in Technology Exhibition at NTU for developing “Audio Beam Loudspeaker” in 2004, Excellent Paper Award for 5 times, and the Award of Excellence in the final evaluation of “CAS Hundred Talents Program” in 2008. Recently, he obtained the Pollyanna Chu Outstanding Teacher Prize in 2014 and 2020 respectively, Excellent Scientist Award by the Chinese Institute of Electronics in 2015, Excellent Graduate Advisor Award by CAS in 2016, the title of “State Council Expert for Special Allowance” in 2018, and the second prize of Beijing Science and Technology Progress Award in 2020.

Dr. Jun Yang is a Fellow of the International Institute of Acoustics and Vibration (IIAV), Acoustical Society of China (ASC), and Chinese Institute of Electronics (CIE). He is an Executive Director and Vice Secretary-General of ASC, and chairs the Audio Engineering Society of China (AESOC).

Dr. Jun Yang has been attending and supporting I-INCE activities for many years. He was a member of the Congress Selection Committee (CSC) from 2014 to 2019, and presented a Plenary Lecture at the INTER-NOISE 2019 held in Madrid, Spain.

Treasurers Report

General Assembly

21 August 2022

Douglas Manvell

Aug 2022

Agenda

- | | |
|--|------------------------|
| • Approval 2021 audited report | decision |
| • 2022 budget expectations | information |
| • Preliminary budget 2023 | information & feedback |
| • Endorsement of appointment of 2022 auditor | decision |
| • Other matters related to the I-INCE Treasury | information |

Audited Financial Report 2021

General Assembly

21 August 2022

Audited 2021 Profit-Loss Report will be on I-INCE website after Internoise

i-ince INTERNATIONAL INSTITUTE OF NOISE CONTROL ENGINEERING

2021 Audited Annual Report: Profit-Loss

Audited I-INCE FINANCIAL REPORT 2021				
Approved budget for 2021		€	#	€
		2021		2021
Revenues				Budget
Expected membership dues				
	small	300,00	15	4.500,00
	medium	600,00	13	7.800,00
	large	900,00	9	8.100,00
Sustaining membership		550,00	7	3.850,00
Institutional membership		90,00	1	90,00
Total membership dues				24.340,00
Outstanding membership fees				
Assets written off				0,00
Liabilities change				0,00
Estimated bank account interest				0,00
Estimated income Inter.Noise 2020		30,00	500	15.000,00
Total Revenues				39.340,00
Expenses				
NNI support 2020				6.500,00
ICA subscription 2021				650,00
Conference database				10.000,00
support to young participants (grants and workshop)				13.500,00
Internoise.org domain (10 years: 2019-2028)				45,00
Internoise website hosting (10 years commitment)				125,00
Internoise website template, hosting and maintenance				2.875,00
IYS 2020				0,00
Technical activity "Practice School" pilot project				2.500,00
I-INCE symposium 2021				5.000,00
Future Congress Planning lunch/AV (trial)				2.000,00
Total scientific support				43.195,00
Cost admin treasurership and secretariat (costs incurred, mailing, tools etc)				2.000,00
Board Meeting (2 000) + travel support (1 500)				3.500,00
website renewal (done in 2019) + running costs				860,00
Bank costs				900,00
Lawyer support				130,00
Total functional costs				7390,00
Total Expenses				50.585,00
Result				-11.245,00

€	#	€	
2021		2021	
		Status	31-dec-21
300,00	15	4.500,00	1 member fees deferred to 2022
600,00	13	7.800,00	
900,00	9	8.100,00	
550,00	5	2.750,00	Lost 2 m
90,00	1	90,00	Payment
		23.240,00	
		-390,00	1 Small,
		-780,75	Internet h
		4.250,00	Lecture fees waived, p
		0,00	
617		8.592,69	617 full atte
		34.911,94	
		3.543,70	Lower than budget (4114,56 USD), audited
		700,00	Budgeting error
		8.161,76	Lower than budget (9476,54 USD), audited
		14.288,10	YPG 2020/21 5740 USD, extra LAYPG 2080 USD. YPG21 remainder deferred
		45,00	Amortised amount only
		0,00	Included in costs below
		2.486,63	Slightly lower than budget
		0,00	Not required
		0,00	Not required
		0,00	No approved symposium
		0,00	Not required
		29.225,19	
		355,34	LM 45 €, Treasurer 33,2 €, Secretary 277,14 €
		0,00	No board meeting costs nor travel
		506,49	Slightly lower than budget. Includes website responsibility handover
		627,31	
		114,32	Swiss tax authorities assistance
		1603,46	
		30.828,65	
		4.083,29	

4k€ profit vs 11k€ budgeted loss



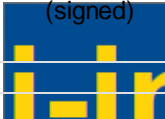
Lower e-Internoise contribution & costs
Fewer Sustaining Members
Lecture fees waived
Low NNI
No symposium
Admin costs minimized

I-Ince

INTERNATIONAL
INSTITUTE OF
NOISE CONTROL
ENGINEERING

2021 Audited Annual Report: Balance

Audited 2021 Balance Report
will be on I-INCE website
after Internoise

	Audited I-INCE FINANCIAL REPORT 2021	EURO			
	Assets 2021		State of accounts on 2021-12-31		
			Current BE 431 0072711 28		886,13
			Deposit BE 431 0072719 36		138.838,54
	State of accounts on 2021-12-31	218.663,53 €	Deposit HVB DE 71 70020270 0015527884		78.938,86
	Immaterial Assets and Credit		Notes		
	Membership fees outstanding	390,00 €	See Financial Report document		
	Internoise website .org & .com domains pre-payments	270,00 €			
	TOTAL CREDIT	660,00 €			
	TOTAL ASSETS	219.323,53 €			
	Liabilities				
scientific support	YPGs (previous years)	-8.118,96 €			
	YPGs (2021)	-7.553,06 €			
functional costs	Treasurer expenses (previous years)	-3,33 €			
	Treasurer expenses (2021)	-33,20 €			
	Secretary expenses (previous years)	239,51 €			
	Secretary expenses (2021) - Zoom	-277,14 €			
	TOTAL LIABILITIES	-15.746,19 €			
	CREDIT-LIABILITIES	-15.086,19 €			
	EQUITY	203.577,34 €			
	(signed) 				(signed) 
	signed by Douglas Marvell, treasurer, on 2022-07-20		audited by Norm Broner, auditor, on 2022-07-20		

2021 Audited Annual Report: Balance

Audited I-INCE FINANCIAL REPORT 2021	EURO			
Assets 2021		State of accounts on 2021-12-31		
		Current BE 431 0072711 28		886,13 €
		Deposit BE 431 0072719 36		138.838,54 €
State of accounts on 2021-12-31	218.663,53 €	Deposit HVB DE 71 70020270 0015527884		78.938,86 €
Immaterial Assets and Credit		Notes		
Membership fees outstanding	390,00 €	See Financial Report document		
Internoise website .org & .com domains pre-payments	270,00 €			
TOTAL CREDIT	660,00 €			
TOTAL ASSETS	219.323,53 €			
Liabilities				
YPGs (previous years)	-8.118,96 €			
YPGs (2021)	-7.553,06 €			
Treasurer expenses (previous years)	-3,33 €			
Treasurer expenses (2021)	-33,20 €			
Secretary expenses (previous years)	239,51 €			
Secretary expenses (2021) - Zoom	-277,14 €			
TOTAL LIABILITIES	-15.746,19 €			
CREDIT-LIABILITIES	-15.086,19 €			
EQUITY	203.577,34 €			

Healthy financial situation
YPG partially deferred

Comparison with Previous Year

		Balance per			
		31-12-2020	31-12-2021		Change
Capital		€ 210.216	€ 218.663,53		€ 8.447,44
Immaterial Assets and Credit		€ 0	€ 660,00		€ 660,00
Liabilities		-€ 13.877	-€ 15.746,19		-€ 1.868,72
Equity		€ 197.434	€ 203.577,34		€ 6.142,97
Operating Profit					€ 4.083,29
Non-2021 related equity impact					€ 2.059,68

Healthy financial situation
Increased capital and equity

Non-2021 related equity
impact documents balance

2021 Audited Annual Report: Independent Auditor's Statement



20th July 2022

RE: International INCE Financial Report for 2021.

The 2021 financial report for International INCE has been released with the following statement by the auditor.

I have examined the consolidated balance of the International Institute of Noise Control Engineering for the period of 2021 and the related statements of operation and retained earnings and changes in financial position for the year then ended. Our examination was made in accordance with the generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. In our opinion, the aforementioned statements present fairly the financial position of the International Institute of Noise Control Engineering, and the results of its operations and changes in its financial position for the year then ended, in conformity with the general accepted accounting principles applied on a consistent basis.

Norm Broner

Norm Broner, Auditor



Any comments or questions?



2022 Budget and Expectations

General Assembly

21 August 2022

2022 Budget and Expectations (1 of 3)

Approved budget for 2022			€	#	€	Drafted 3-Jun-21, updated 23-Jul & 9-Aug			#	€	25-Jul-22, updated 10-Aug-22		
			2022			Presented to Board 27-Jul-21, GA 31-Jul, Board 9-Aug					Presented to Board 20-Aug-22, GA 21-Aug, Board 24-Aug		
Revenues					2022 Budget	Based on Membership status 24-May-2021				2022 Budget	Based on Membership status 10-Aug-2022		
Expected membership dues	small	300,00	15	4.500,00	Lost 2 members 2021				14	4.200,00			
	medium	600,00	13	7.800,00					13	7.800,00			
	large	900,00	9	8.100,00					9	8.100,00			
Sustaining membership		550,00	5	2.750,00					5	2.750,00			
Institutional membership		90,00	1	90,00					1	90,00			
Total membership dues				23.240,00	Lower income vs 2020					22.940,00			
Losses written off				0,00						-300,00	Support to Poland regarding Ukraine crisis		
Estimated bank account interest				0,00	Negligible interest rates					0,00	Negligible interest rates		
Estimated income Inter.Noise 2022 attendees and website			30,00	500	17.875,00	Participants as 2020, WWW template as agreed by Board IN2020			735	22.050,00	70% full registrations reported by IN22. No WWW template income		
Total Revenues					41.115,00	Higher than 2019 budget				44.690,00	Above budget		
Expenses													
NNI support (for previous years costs)						Estimate from VP Coms				0,00	Provisional report from "VP Coms", NB advertising		
ICA subscription										10,00	Paid		
Conference database										10,00	Provisional report from "VP Coms", 10509,2 USD payment pending		
support to young participants (grants and workshop)										10,00	Full payment plus extraordinary 500 USD LAYPG		
Internoise.org domain (10 years: 2019-2028)										15,00	Approved 2018 and already paid. Amortised amount		
Internoise website hosting (10 years commitment)											Included in following post		
Internoise website template, hosting and maintenance										14,46	"Report" from VP Coms paid, internoise. 2024-30 registration pending		
Incoming proposal VP Outreach for website development										0,00	No separate budget proposal received		
Technical activity "Practice School" pilot project (trial)										10,00	Pending invoice. Expected on budget (VP Tech Activities)		
I-INCE symposium 2022										10,00	Pending invoice. Expected on budget (VP Tech Activities)		
Future Congress Planning lunch/AV (trial)										10,00	Pending invoice. Expected on budget (VP Tech Activities)		
Additional incoming proposals										0,00			
Total scientific support					42.145,00	Lower investment vs 2019 (past physicality)				38.699,46	Lower costs due to NNI		
Cost admin treasurership and secretariat (costs incurred, mailing, tools etc)				2.200,00	based on secretary 2020, including Zoom and student help, limited treasurer					2.200,00	Secretary including Zoom and student help. Limited treasurer costs		
Board Meeting (2 000) + travel support (1 500)				3.500,00						3.500,00	Meeting may be more, but no travel requests as of 25/7		
website renewal (done in 2019) + running costs				860,00	i-ince.org domain (5 years): \$105.85 in 2020. 1000 USD for maintenance					3.314,76	Extra expense approved, "Report" from VP Coms, paid		
Bank costs				900,00	Costs due to low interest rates					900,00	On or under budget		
Lawyer support				130,00	Contingency for consultancy fees (Treasurer proposal)					130,00	On or under budget		
Tax arrears										1.745,52	Tax arrears 2015-2019 settled		
Total functional costs					7590,00					11790,28	Above budget		
Total Expenses					50.335,00					49.889,74			
Expected result					-9.220,00					-5.199,74			
Equity			31-12-2020		197.434,37	5%				197.434,37	3%		
Coverage factor equity (cash reserves) vs expenses (years)						3,9					4,0		

Expect:

½ budgeted loss

Higher income and higher costs

Coverage factor* 4 (similar to pre-COVID levels)

* equity vs expenses in years

2022 Budget and Expectations (2 of 3)

Approved budget for 2022		€	#	€			#	€
		2022	2022		Drafted 3-Jun-21, updated 23-Jul & 9-Aug		2022	
Revenues			Budget		Presented to Board 27-Jul-21, GA 31-Jul, Board 9-Aug		Budget	
Expected membership dues					Based on Membership status 24-May-2021			
	small	300,00	15	4.500,00			14	4.200,00
	medium	600,00	13	7.800,00			13	7.800,00
	large	900,00	9	8.100,00			9	8.100,00
Sustaining membership		550,00	5	2.750,00	Lost 2 members 2021		5	2.750,00
Institutional membership		90,00	1	90,00			1	90,00
Total membership dues			23.240,00		Lower income vs 2020		22.940,00	
Losses written off			0,00				-300,00	
Estimated bank account interest			0,00		Negligible interest rates		0,00	
Estimated income Inter.Noise 2022 attendees and website		30,00	500	17.875,00	Participants as 2020, WWW template as agreed by Board IN2020		735	22.050,00
Total Revenues			41.115,00		Higher than 2019 budget		44.690,00	

Full membership payment
NB support to Poland regarding Ukraine crisis

IN22 registrations updated re 1050 attendees (latest 1150).
No WWW template income

2022 Budget and Expectations (3 of 3)

expenses			
NNI support (for previous years costs)	6.000,00	0,00	Provisional report from "VP Coms", NB advertising
ICA subscription	700,00	700,00	Paid
Conference database	10.000,00	10.350,00	Provisional report from "VP Coms", 10509,2 USD payment pending
support to young participants (grants and workshop)	13.500,00	14.000,00	Full payment plus extraordinary 500 USD LAYPG
Internoise.org domain (10 years: 2019-2028)	45,00	45,00	Approved 2018 and already paid. Amortised amount
Internoise website hosting (10 years commitment)	125,00		Included in following post
Internoise website template, hosting and maintenance	2.875,00	3.504,46	"Report" from VP Coms paid, internoise. 2024-30 registration pending
Incoming proposal VP Outreach for website development	0,00	0,00	No separate budget proposal received
Technical activity "Practice School" pilot project (trial)	2.500,00	2.500,00	Pending invoice. Expected on budget (VP Tech Activities)
I-INCE symposium 2022	5.000,00	5.000,00	Pending invoice. Expected on budget (VP Tech Activities)
Future Congress Planning lunch/AV (trial)	2.000,00	2.000,00	Pending invoice. Expected on budget (VP Tech Activities)
Additional incoming proposals	0,00	0,00	
Total scientific support	42.745,00	38.099,46	Lower costs due to NNI
Cost admin treasurership and secretariat (costs incurred, mailing, tools etc)	2.200,00	2.200,00	Secretary including Zoom and student help. Limited treasurer costs
Board Meeting (2 000) + travel support (1 500)	3.500,00	3.500,00	Meeting may be more, but no travel requests as of 25/7
website renewal (done in 2019) + running costs	860,00	3.314,76	Extra expense approved, "Report" from VP Coms, paid
Bank costs	900,00	900,00	On or under budget
Lawyer support	130,00	130,00	On or under budget
Tax arrears		1.745,52	Tax arrears 2015-2019 settled
Total functional costs	7590,00	11790,28	Above budget
Total Expenses	50.335,00	49.889,74	
Expected result	-9.220,00	-5.199,74	

NNI: advertising increase

YPG spending this year 😊 + extraordinary 500 USD LAYPG

I-INCE website renewal increased expense (approved)

Unbudgetted tax arrears 2015-2019 (settled)

Budget 2023

General Assembly

21 August 2022

Received input for budget for 2023, reviewed by Executive and Board		€	#	€	
		2023		2023	
Revenues				Budget	To be presented to Board and GA, and approved by Board
Expected membership dues					Based on Membership status 30-Jun-2022
	small	300,00	15	4.500,00	
	medium	600,00	13	7.800,00	
	large	900,00	9	8.100,00	
Sustaining membership		550,00	5	2.750,00	
Institutional membership		90,00	1	90,00	
Total membership dues				23.240,00	Same income vs 2022
Losses written off				0,00	
Estimated bank account interest				0,00	Negligible interest rates
Estimated income Inter.Noise attendees and website		30,00	700	24.000,00	Participants same rate as 2021, WWW template as agreed by Board
Total Revenues				47.240,00	Higher than 2022 budget
Expenses					
NNI support (for previous years costs)				5.000,00	New estimate from VP Coms
ICA subscription				700,00	As 2022
Conference database				10.000,00	As 2021
support to young participants (grants and workshop)				13.500,00	Board has approved in 2022 that 2023 investment is as for 2021
Internoise.org websites template, hosting and maintenance				3.045,00	Internoise##.org, domain, template maintenance and hosting (see notes)
Incoming proposal VP Outreach for website development				0,00	No budget proposed. Budget pending VP Dev & Outreach proposal
Technical activity "Practice School" pilot project (trial)				2.500,00	Trial period. See VP Tech Activities Report 2021. Board preapproved 2500
I-INCE symposium				0,00	No approved proposals (VP Technical Activities)
Future Congress Planning lunch/AV (trial)				2.000,00	Trial period. See VP Tech Activities Report 2021. Board preapproved 2000
Additional incoming proposals				0,00	No proposals received
Total scientific support				36.745,00	Higher investment vs 2021 (virtual IN)
Cost admin treasurership and secretariat (costs incurred, mailing, tools etc)				2.200,00	based on secretary 2020, including Zoom and student help, limited treasure
Board Meeting (3 000) + travel support (1 500)				4.500,00	Increased meeting costs due to difficulty meeting previous budgets
I-INCE.org website, hosting, development and maintenance				1.070,00	Maintenance 1164 USD p.a.. Hosting 105 USD for 5 years (2020)
Bank costs				900,00	Costs as 2022 due to low interest rates
Lawyer support				0,00	Contingency for consultancy fees as 2022 (Treasurer proposal)
Total functional costs				8670,00	
Total Expenses				45.415,00	
Expected result				1.825,00	
Equity	31-12-2020			208.925,79	-1%
Coverage factor equity (cash reserves) vs expenses (years)					4,60

2023

After Board's preliminary review , pending GA

Unchanged dues
Mainly same expenses
No symposium proposals
[WWW.IN23](#) income
NNI cheaper
Increased meeting costs

Expect:
Operating profit ca 2k €
(1% of equity)

Coverage factor* 4,6
(2022=4)

* equity vs expenses in years

To be finalised & included in
Treasurer's Report

Any comments or questions?



Auditor Appointment

General Assembly

21 August 2022

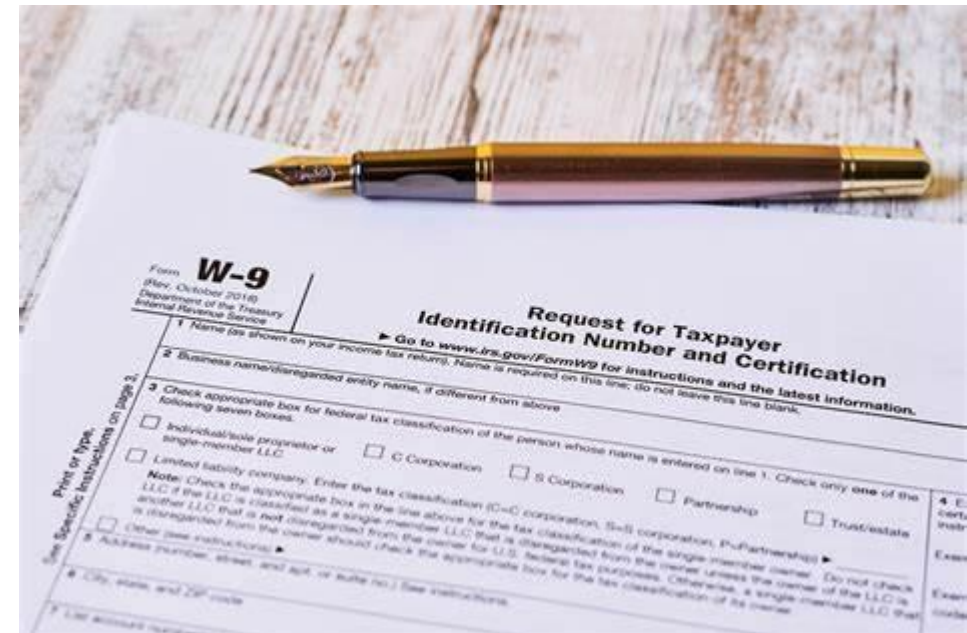
Auditor appointment

- Auditor appointment for 2022 (decision):
 - Process:
 - selected by the President
 - endorsed by the General Assembly
 - approved by the Board
 - For a specified term
 - Appointee not on the Board (best practice)
 - Proposal:
 - For the 2022 Financial Report
 - Norm Broner (auditor for the 2021 report just completed)
 - approved by the Board
 - General Assembly endorsement?



Other items from 2022 Treasurer's Report

- Tax identification number registered
- Tax exemption status approved 2020+
- All tax arrears 2015-19 paid



Here Endeth the 2022 Treasurers Report

- Any comments or questions?



The membership of the current CSC:

President-Elect: Luigi Maffei	2020-2022
VP Asia/Pacific: Li Cheng	2021-2023
VP Europe/Africa: Kerstin Persson Waye	2022-2024
VP Pan America: Davi Akkermann	2019-2022
<u>Europe/Africa</u>	
Antonino Di Bella	2020-2022
Stephen Martin Dance	2021-2023
María Machimbarrena	2022-2024
<u>Pan America</u>	
Joe Cuschieri	2020-2022
Marcos Holtz	2021-2023
Sebastian Ghinet	2022-2024
<u>Asia-Pacific</u>	
John Davy	2020-2022
Akira Omoto	2021-2023
Moon Kyu Kwak	2022-2024

I-INCE Board of Directors

20th August 2022

Report on Inter-noise 2022

Barry Gibbs

Congress President

Report on Inter-noise 2022

- Registrations by region and of early career
- Papers for presentation on-site, on-line and posters
- Technical program and timetable
- Venue and room locations
- Hybrid provision
- App and web
- Social and network programs
- Budget
- General observations

Registrations by region

Total delegates: 1,244

In-person: 949

Virtual: 295

Early Career: 427

*Japan 10

China 76

South Korea 40

Registrants by Region	TOTAL	In person	Virtual
Pacific	12	11	1
Europe	510	413	97
UK	281	281	0
Ireland	11	11	0
Africa	28	24	4
Americas	33	24	9
Asia*	276	131	145
Middle East	8	5	3

755 papers for presentation

515 in-person

189 on-line

51 posters

44 exhibitors
in central
location



Programme timetable for 15 parallel sessions, e.g. Tuesday

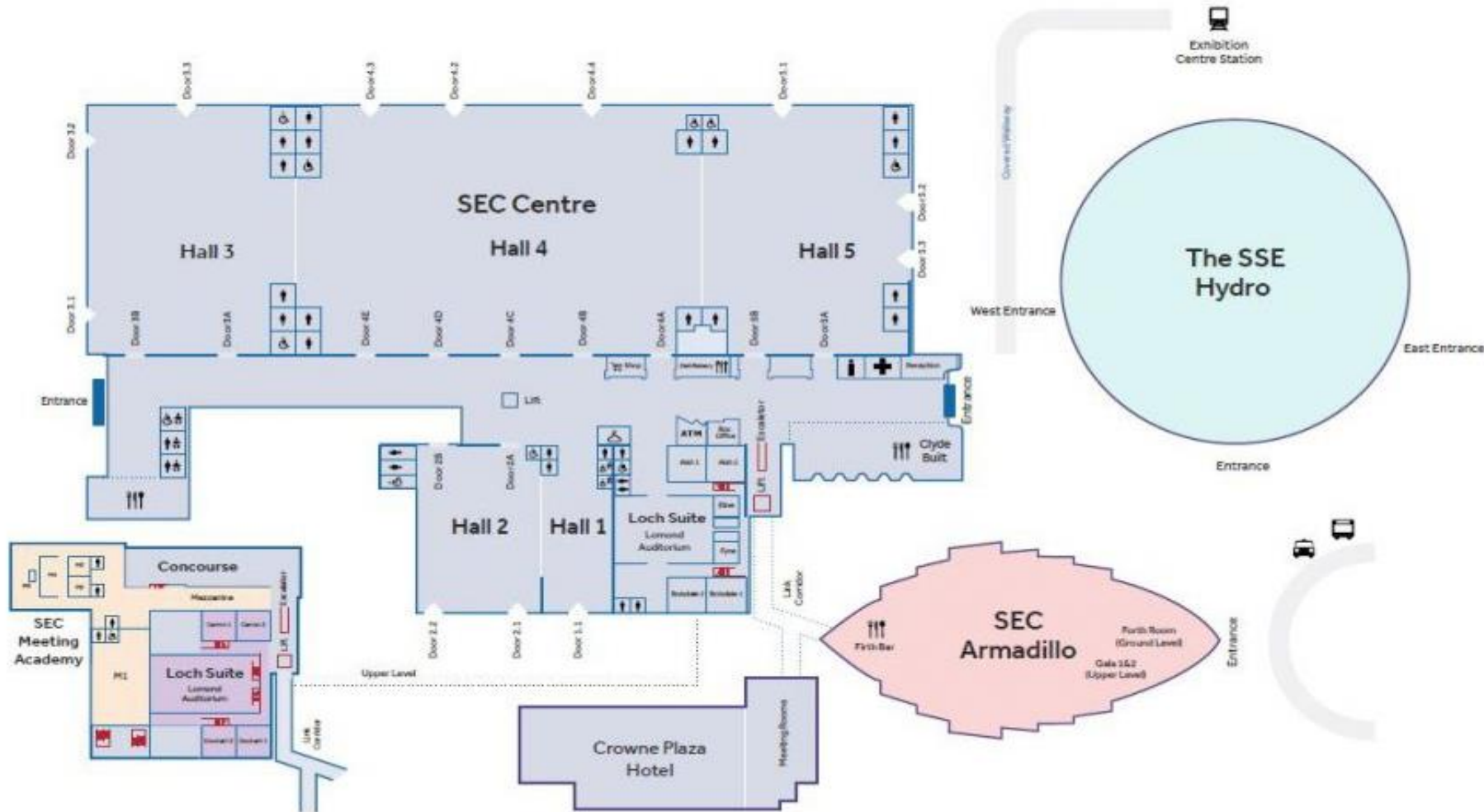


Tuesday 23rd August					Lomond Auditorium	Hall 1	Aish 1	Aish 2	Boisdale 1	Boisdale 2	Carron 1	Carron 2	Dochart 1	Dochart 2	M1	M2	M3	M4	M5
7:40					TUE5.4 & 5 Vibro-acoustics and Structure-borne Noise 1	TUE12.10 Transportation Noise and Vibration	TUE14.3 & 4 Active Control 1	TUE11.10 Building Noise and Architectural group 1	TUE9.10 Environmental Noise 2	TUE9.15 Environmental Noise 1	TUE7.9 Thermo- and Aero-acoustics 1	TUE8.3 Aircraft 1	TUE17.3 Human Perception, Response and Health Impacts 1	TUE11.6 & 8 Building Noise and Architectural 2	TUE17.9 & 7 Human Perception, Response and Health Impacts 2	TUE6.2, 3 & 4 Signal Processing	TUE12.4 & 5 Transportation Noise and Vibration 2	TUE1.3 Physical Acoustics	TUE15.1 & 0 Materials
8:00					5.4 Numerical Method in Vibro-acoustic Modelling	12.10 Tyre/Road Noise Cabin Hoover	14.3 Automotive Applications of Active Control	11.10 Noise and Vibration in Buildings	9.10 Noise Mapping Shilton	9.15 Wind Turbines and Other Renewable Energy Noise	7.9 Research in Thermoacoustics and Aeroacoustics by the Marie Curie Network POLAR	8.3 Airport Community Noise Granden Shinohara	17.3 Psychosomatic Indices for Noise Evaluation	11.6 Sound Insulation Performance of Wooden Construction for Multi-story Housing	17.9 Response to Noise and Health in a Sustainable City	6.2 Spatial Audio Localization	12.4 Railway Vehicle Acoustics	1.3 Multiscale Porous Materials	15.1 Micropatterned Porous Media
8:20					229 Li	526 Baumgartner	86 Hojoon	130 Zhang	194 Loikema	147 Kayser	343 Kutkan	729 Mysore Guruprasad	164 Schlittenlacher	159 Neusser					
8:40					25 Terzioğlu	51 Li	261 Ferrari	130 Zhang	314 Fay	370 Mascarenhas	394 Arabi	78 Meister	177 Terada	162 Kraller			642 Suzuki	61 Noack	253 Venegas
9:00					184 Waubke	166 Cesbron	491 Shen	261 Ferrari	929 Shilton	532 Pleban	609 Vaddamani	155 Schalcher	218 Tsujimura	353 Homb	71 Dzhambov		741 Kuntz	905 Böhm	255 Boutin
9:20					195 Reynders	185 Nowak	747 Lee	491 Shen	930 Shilton	580 Dell	6415Shah	178 LeGriffon	322 Yamada	498 Guigou Carter	321 van Kamp		821 Zotter	427 Orrenius	586 Zielinski
9:40					355 Cao	185 Nowak	747 Lee	491 Shen	930 Shilton	580 Dell	609 Vaddamani	288 Nakazawa	322 Yamada	515 Toulemonde	323 Brink		275 Kok	521 Uda	605 Kajitani
10:00 Coffee break					492 Chacko	256 Anfosso Ledee	911 Mori	747 Lee	519 Van Renterghem	1006 Ecotiere	921Riywik	298 Izumi	357 Hashimoto	787 Mahn	323 Brink		333 Köppllin Orrán	538 Chung	636 Sam
10:10					527 Mukherjee					44 Cand	933 Scoletta	627 Yokota		994 Ferk			698 Libianchi		
10:30					5.5 Vibro-acoustic Experiments	12.10 Tyre/Road Noise Cabin Hoover	14.3 Smart Structures	11.10 Noise and Vibration in Buildings	9.10 Noise Mapping Shilton	7.9 Research in Thermoacoustics by the Marie Curie Network POLAR	8.3 Airport Community Noise Granden Shinohara	17.3 Psychosomatic Indices for Noise Evaluation	11.6 Prediction Models in Building Acoustics	17.9 Response to Noise and Health in a Sustainable City	6.4 Audio Transducers		240 Herring Jensen	12.4 Railway Vehicle Acoustics	1.3 Multiscale Porous Materials
10:50					599 Tatlier	455 Sandberg	43 Elliott	111 Otsuru	650 Kok		324 Otto	447 Hansman	766 Hladek		960 Hongisto		292 Song	205 Babici	878 Núñez Gómez
11:10					652 Van Hoorickx	460 Donavan	125 Liu	123 Golden	668 Trow			63 Marheim	803 Fiebig	500 Guigou Carter	449 Gong		904 Cobiانchi		203 Mundula
Keynote 4: Yu Liu																			
12:30 Lunch break																			
12:50					TUE11.8 & 9 Building Noise and Architectural group 2	TUE17.3 & 10 Human Perception, Response and Health Impacts 1	TUE12.5 Transportation Noise and Vibration	TUE4.3 & 4 Flow-induced Noise & Vibration	TUE9.10 Environmental Noise 2	TUE11.2 Building Noise and Architectural group 1	TUE7.4 & 5 Thermo- and Aero-acoustics 1	TUE8.3 Aircraft 1	TUE12.11 & 1 Transportation Noise and Vibration	TUE9.5 & 9 Vibro-acoustics and Structure-borne Noise 2	TUE17.7 & 8 Human Perception, Response and Health Impacts 2	TUE6.1 Signal Processing, Reproduction & Diagnostics	TUE5.2 Vibro-acoustics and Structure-borne Noise 1	TUE1.1 Physical Acoustics	TUE15.0 Materials
13:10					4 Davy														
13:30					546 Churchill	465 Morinaga	421 Chiello	72 Maryami	998 Grillo Bensusan	497 Blasinski	514 F. Ganji	875 Johansson	914 Venkataraman	222 Yanagita					
13:50					556 Brunsong	465 Morinaga	402 Rissmann	109 Xiang	367 Aumond	231 Parizet	608 Stürenburg	577 King	182 Schäffer	348 Zepidou					
14:10					596 Rawlings	465 Morinaga	664 Andrés	321 Kusano	468 Peixoto	270 Batista	644 Shah	736 Sakoda	193 Lincke	704 Sakamoto	349 Yokoyama				
14:30					859 Mizunuma	621 Yasui	587 Genell	679 Phillips	999 Lima Estercio	369 Bonzom	743 Na	849 Nguyen	269 Dreier	728 Whittle	524 Sukowski				
14:50					873 Xu					549 Berg	826 Surendran	847 Felix Greco	966 Southern	694 Lissäker	694 Lissäker				
15:10										767 De Salvio	990 Noiray	849 Nguyen	968 Kennedy	738 Selzer	738 Selzer				
15:30 Coffee break												850 Nguyen							
15:40					70 Chen	38 Christensen			815 White										
16:00					436 Bader Eddin	157 Vienneau			817 Liu										
16:20					440 Bader Eddin	393 Hamilton			827 Minorikawa										
16:40					769 De Salvio	779 Chen			1000 Johansson										
17:00						781 Chen			828 Raumer										
17:00						829 Spilski			594 Arif										
17:00																			
18:00 End																			

Keynote 5:
The Salford
Group

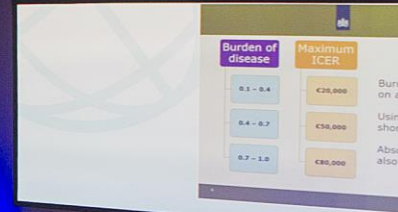
Venue and room locations

SEC Scottish Event Campus



Main entrance

Lomond



Capacity 624



Hybrid provision – live streaming in four rooms

Tuesday 23rd August					Lomond Auditorium		Hall 1		Aish 1		Aish 2		Boisdale 1		Boisdale 2		Carron 1		Carron 2		Dochart 1		Dochart 2		M1				M2		M3		M4		M5	
7:40					TUES.4 & .5 Vibro-acoustics and Structure-borne Noise 1		TUE12.10 Transportation Noise and Vibration		TUE14.3 & .4 Active Control		TUE11.10 Building Noise and Architectural group 1		TUES.10 Environmental Noise 2		TUES.15 Environmental Noise 1		TUE7.9 Thermo- and Aero-acoustics 1		TUE8.3 Aircraft 1		TUE17.3 Human Perception, Response and Health Impacts 1		TUE11.6 & .8 Building Noise and Architectural 2		TUE17.9 & .7 Human Perception, Response and Health Impacts 2				TUE6.2.3 & .4 Signal Processing		TUE12.4 & .5 Transportation Noise and Vibration 2		TUE1.3 Physical Acoustics		TUE15.1 & .0 Materials	
8:00					229 Li				86 Hojoon				74 Basturk		147 Kayser		343 Kutkan		729 Mysore Guruprasad				159 Neusser													
8:20					25 Terzioglu		526 Baumgartner		130 Zhang				194 Lolkema		170 Mascarenhas		394 Arabi		78 Meister		164 Schlittenlacher		162 Kraller													
8:40					184 Waubke		51 Li		261 Ferrari				314 Fay		932 Pleban		609 Vaddamani		155 Schalcher		177 Terada		353 Homb		71 Dzhambov											
9:00					195 Reynders		166 Cesbron		491 Shen		883 Woodhams		929 Shilton		580 Dell		641Shah		178 LeGriffon		218 Tsujimura		498 Guigou Carter		21 van Kamp											
9:20					355 Cao		185 Nowak		747 Lee		881 McNulty		930 Shilton		894 Bertagnolio		755 Kincaid		288 Nakazawa		322 Yamada		515 Toulemonde		54 Riedel											
9:40					492 Chacko		256 Anfossio Ledee		911 Mori		1002 Fox		519 Van Renterghem		1006 Ecotiere		921Rywik		298 Izumi		357 Hashimoto		787 Mahn		323 Brink											
10:00 Coffee break					527 Mukherjee										44 Cand		933 Scoletta		627 Yokota				994 Ferk													
10:10																																				
10:30					8 Almeida		375 Mioduszewski		43 Elliott		111 Otsuru		570 Hartog Van Banda				Wei		299 Higashioka		653 Liepert		219 Pettersson		41 Riedel											
10:50					599 Tatler		455 Sandberg		48 Langfeldt		177 Rodrigues		650 Kok				Aulitto		447 Hansman		746 Hladek		560 Hongisto		449 Gong											
11:10					652 Van Hooricx		460 Donovan		125 Liu		123 Golden		668 Trow				324 Olto		63 Marheim		803 Fiebig		500 Guigou Carter													
11:30																																				

Keynote 4:
Yu Liu

Keynote 5:
The Salford
Group

Hybrid provision: audio-visual archive

- Power point presentations, with audio, recorded and archive made available to delegates for two months after the conference.
- Live presentations by authors in the room are recorded
- On-line presentations are pre-recorded and authors available on the app and virtual platform for Q&A

App and Web

- Paperless conference: on-line programme book with a short booklet for schedule at a glance.
- Encourages delegates to use the App, which also allows interaction with virtual delegates
- App offers: timetable and rooms; abstract, paper and poster views; connections and networking; information about other activities and alerts

Social and network programs

- Sunday: Welcome Reception – Networking in Hall 2
- Tuesday: Conference Social – Ceilidh and a meal in an informal setting
- ECG Breakfast – networking breakfast
- Monday: ECG Social – Drinks and bites (open to all)
- Tours to the BBC and Arup Soundlab
- Soundwalk around Glasgow
- Soundscape space on the mezzanine
- Tranquil City launch to encourage appealing and sustainable journeys to and from the SEC

Budget (as at 16 Aug 2022)

Income

Delegates	£380,204
Sponsors/Exhibitors	£169,740
Glasgow City	£16,000
Conference Social	£11,000
Accompanying Persons	<u>£4350</u>
Total before VAT Paid	£581,294
VAT	<u>£94,215</u>
Net Total Income	£487,078

Projected Surplus £7,543

Expend

Venue	£152,964
Equip <u>incl.</u> live Stream	£107,602
Exhibition Costs	£21,816
Speaker expenses	£15,000
PCO Fees	£56,640
I-INCE Delegate Fee	£18,525
Catering inc. dinners	£134,451
Miscellaneous	<u>£13,660</u>
Total	£479,535

General observations

- Hybrid added £90k to the budget through some good local deals. Additional cost could have been closer to £120k
- Same fee for on-line registration meant if a delegate couldn't attend, they could switch to on-line at short notice
- Delegate income was relatively low, to target early careers – 40% of delegates
- A social event, rather than a traditional conference dinner, at £20, to attract 675
- Large on-site attendance attracted good sponsor and exhibitor income
- Will assess the cost-benefits of live-streaming



inter.noise 2023

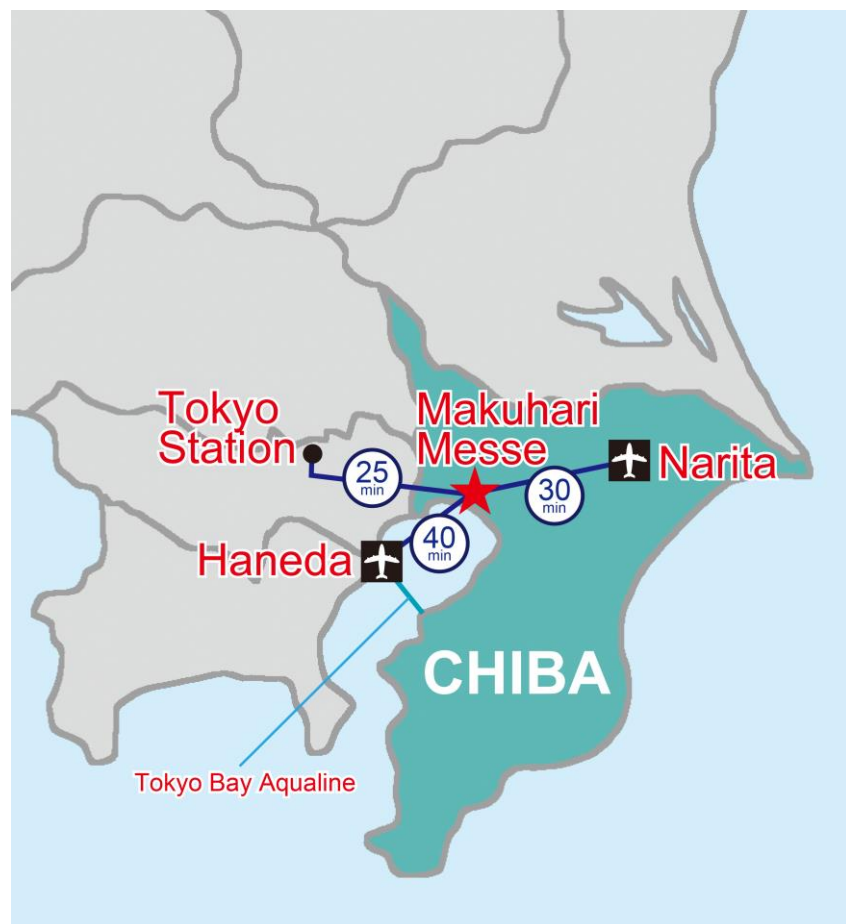
“Quieter Society with Diversity & Inclusion”





inter-noise 2023
CHIBA, GREATER TOKYO 20-23 AUGUST

August 20-23, 2023 @Makuhari messe



Narita → Makuhari

- 30 min. by Exp. Bus
- 60 min. by Railway

Haneda → Makuhari

- 40 min. by Exp. Bus
- 60 min. by Railway

Tokyo Sta. → Makuhari

- 25 min. by Railway

An aerial photograph of the Makuhari Messe complex in Chiba, Japan. The image shows several large exhibition halls. One hall is highlighted in orange, and the others are highlighted in green. To the left of the green halls are two tall, modern skyscrapers. To the right is a large, circular stadium. The complex is situated near a body of water, with a highway and railway lines visible in the foreground.

August 20-23, 2023 @Makuhari messe

@Accommodations

@International Conference Hall

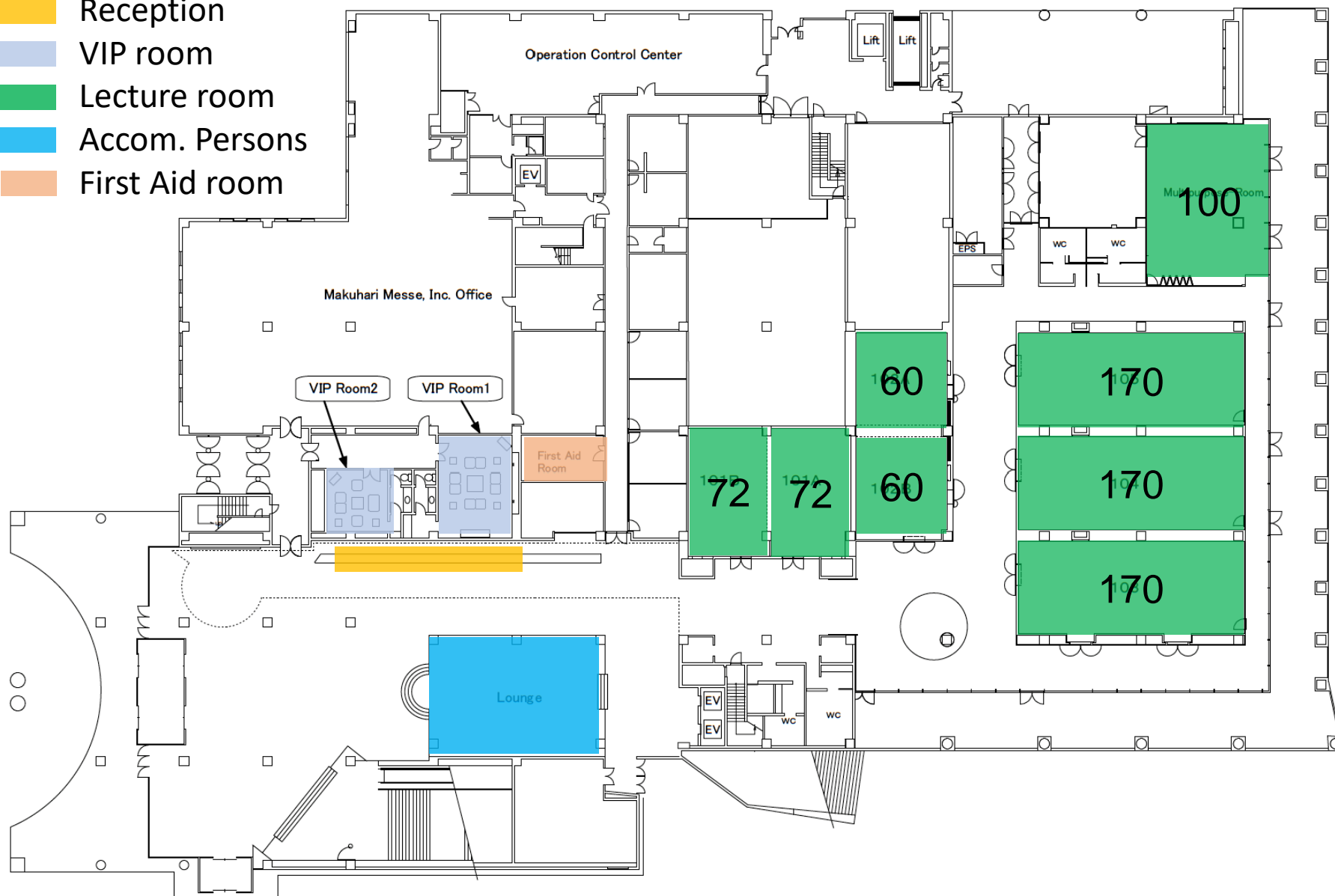


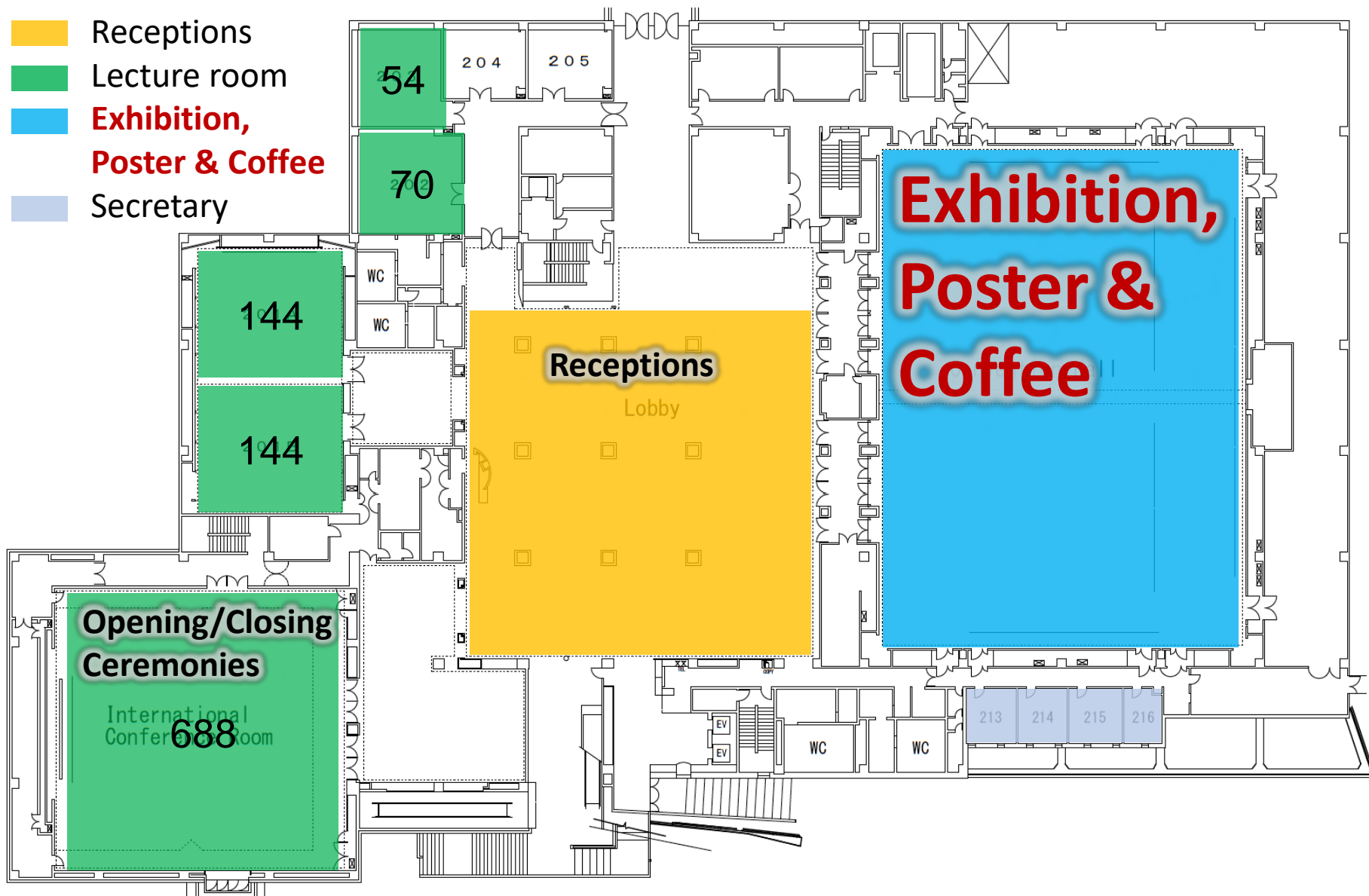
20 rooms for Technical Sessions in total

- Convention Hall : 1,664 people
- International Conference Room : 688 people
- VIP Reception Room : 2 rooms (6-8 people, each)



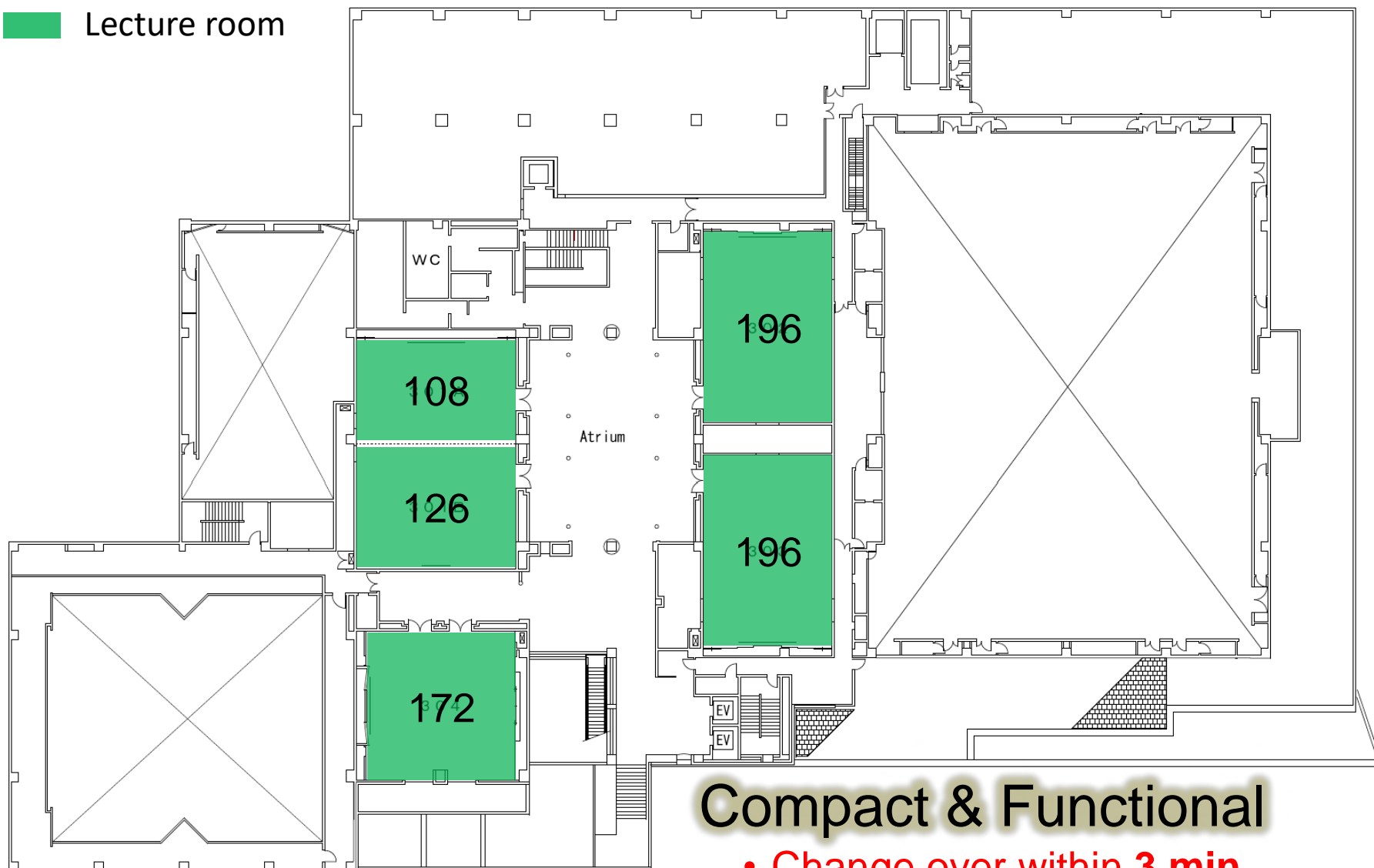
- Reception
- VIP room
- Lecture room
- Accom. Persons
- First Aid room







 Lecture room



Compact & Functional

- Change over within 3 min.
- Elevators available



inter-noise 2023
CHIBA, GREATER TOKYO 20-23 AUGUST

Opening/Closing Ceremony



Exhibition, Poster & Coffee



Opening/Closing Reception



Lecture room





	Day 1	Day 2		Day 3		Day 4		
	Sunday	Monday		Tuesday		Wednesday		
8:00		Technical Sessions	Posters & Exhibition	Technical Sessions	Posters & Exhibition	Technical Sessions	Exhibition	
9:00		Coffee Break						
10 : 00		Technical Sessions	Posters & Exhibition	Technical Sessions	Posters & Exhibition	Technical Sessions	Posters & Exhibition	
11 : 00		Keynote Lecture		Keynote Lecture				
12 : 00		Lunch						
13 : 00		Technical Sessions	Posters & Exhibition	Technical Sessions	Posters & Exhibition	Technical Sessions		
14 : 00								
15 : 00		Coffee Break						
16 : 00		Opening Ceremony & Plenary Lecture	Keynote Lecture		Keynote Lecture		Closing Ceremony & Plenary Lecture	
17 : 00			Technical Sessions	Posters & Exhibition	Technical Sessions	Posters & Exhibition	Closing Reception	
18 : 00	Opening Reception			Congress Banquet				
19 : 00								
20 : 00	Chairs' dinner or meeting							



18 Technical Program Areas

01. Flow Induced Noise & Vibration	10. Underwater & Maritime Acoustics
02. Vibro-Acoustics	11. Acoustic Materials
03. Signal Processing & Measurements	12. Building & Architectural Acoustics
04. Modeling & Numerical Simulation	13. Environmental Noise
05. Active Control of Sound & Vibration	14. Perception & Health
06. Transportation Noise	15. Sound Quality & Product Noise
07. Aircraft Noise	16. Soundscapes
08. Vehicle Noise & Vibration	17. Noise Policy & Management
09. Industrial Noise	18. Theme-related & Novel Approaches

- 3-12 sessions / area
- More than 100 sessions under consideration



Key dates

Call for abstracts	November 1, 2022
Registration opens	November 1, 2022
Abstract submission deadline	February 10, 2023
Paper submission opens	March 24, 2023
Paper submission deadline	May 19, 2023
Early bird registration deadline	19 May 2023
Normal registration deadline	21 June 2023
On-site registration	22 June 2023~



Accompanying Persons' Program



Tea Ceremony Experience



Candy craft (Ame-Zaiku)



Calligraphy (Shodo)



Uchiwa making



Organizing Committee Members

Congress President

Shinichi Sakamoto
Environmental Acoustic Engineering



Congress Secretary

Hiroyuki Imaizumi
Outdoor Sound Propagation,
Environmental Noise Control



Technical Program Chair

Tetsuya Sakuma
Architectural Acoustics,
Environmental Acoustics



Honorary Consultants

Ichiro Yamada
Aircraft noise and its control



Kohei Yamamoto
Road traffic noise and its control



<https://internoise2023.org/>



Message from the Congress President Shinichi Sakamoto:

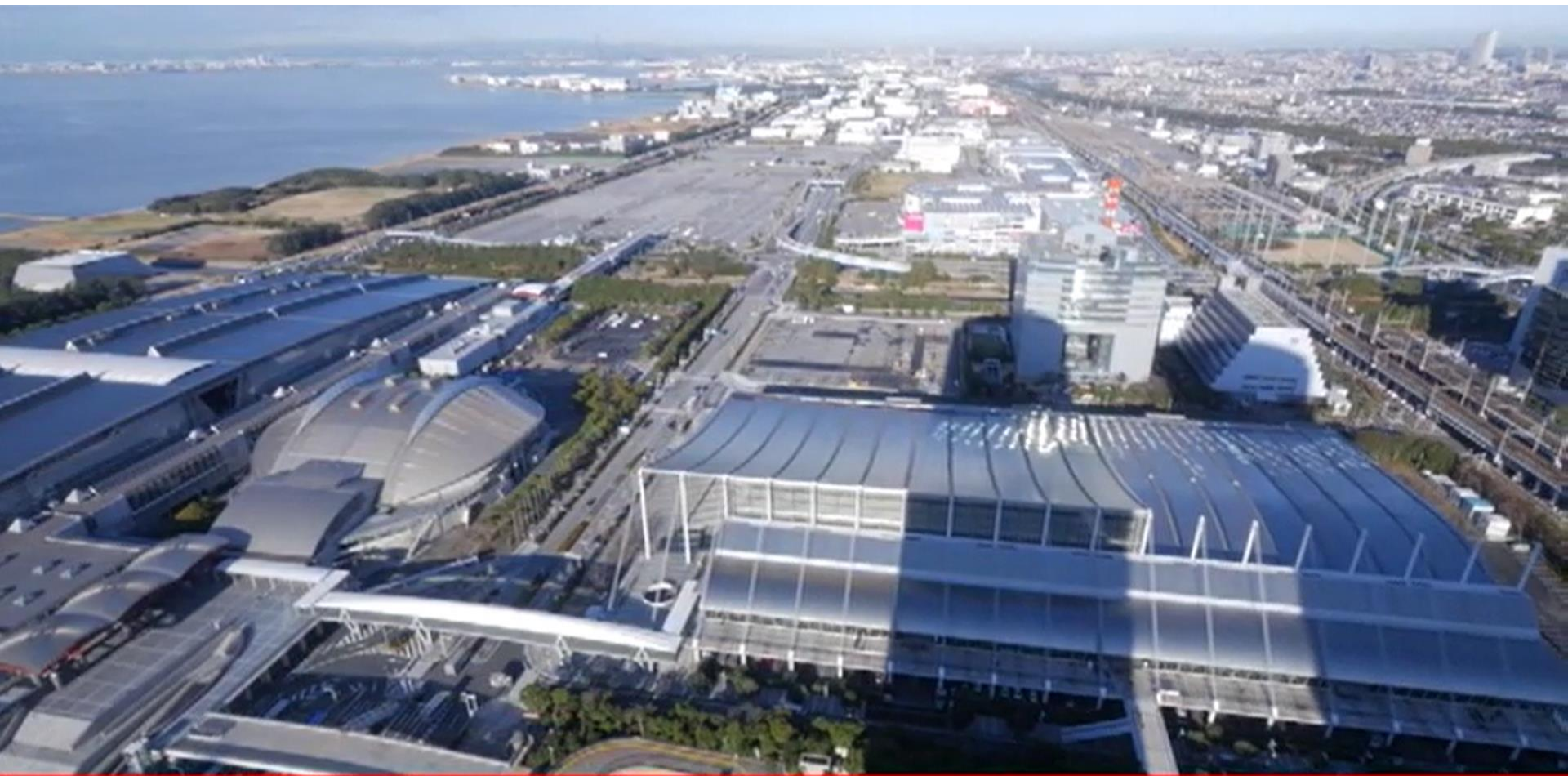
On behalf of the organizing committee, it is our great pleasure to invite you to the 52nd International Congress and Exposition on Noise Control Engineering held in Chiba, Greater

Important Announcements

Abstract Deadline	: 10 February 2023
Paper Deadline	: 19 May 2023
Early Registration Deadline	: 19 May 2023

have been launched

Chiba video was played here.



State-of-the-art Facilities

See you in person
at Makuhari Messe, Chiba!!

Technical Activity	Summary (Normal Activities)
Future Congress Technical Planners Meetings (FCTP-1 and FCTP-2)	Help in Planning Technical Programs for next Congresses FCTP-1 Sunday morning Crowne Plaza (by invitation) FCTP-2 Wednesday, Carron 2, SEC, 11:30-1pm (Open meeting) (Chiba Session Planning, Some Early Nantes Session Planning)
Young Professionals (YP) Grant Program (Taha Sen)	Up to 20 travel grants for young professionals, to offset costs to attend the next INTER-NOISE Congresses (600 Euro/person – since 2014. 2010-2013: 500 Euro/person) Award Recognition Ceremony +Social with I-INCE Leaders Monday 6-7pm, after Plenary Boisdale 1 / Terrace, SEC
Young Professionals (YP) Mentorship	Professional and Technical Skills Sessions and Socials(s) for young professionals/students: Monday & Wednesday (IOA Team – Tom Galikowski & YP Team, Chris Barlow)
Practice of Noise Control School	4, 1 Hour Sessions and Lunch (2018 – 2019, 2022) 3, 2-hour sessions in local time zones (2020, 2021) Up to 35 attendees & 4-6 speakers.
I-INCE Sponsored Symposia	Symposia on Noise Control Engineering (co-)sponsored by I-INCE, since 2011) No applications for 2023. 2022 Symposium – hosted by National Academies of Engineering, Washington DC (virtual)
Miscellaneous	E.g., Meetings with Next Congress Organizers, I-INCE Plenary, etc. Technical Study Groups.

i-ince **Future Congress Technical Planners Advisors**

- Aim: Ensure consistency among the technical programs of INTER-NOISE congresses.
- I-INCE VP of Technical Activities appoints 6 advisors to the Future Congress Technical Planners (FCTP) committee (around 4 year terms)
Experienced Session and Conference Organizers

Name	Country	Term (ending)
David Herrin	USA	4 year (Dec. 2023)
Joe Cuschieri	USA	4 years (Dec 2024)
Carsten Spehr	Germany	4 years (Dec.2023)
Brigitte Schulte-Fortkamp	Germany	4 years (Dec.2022)
Jin Yong Jeon	Korea	4 years (Dec 2024)
Ichiro Yamada	Japan	4 years (Dec 2024)

FCTP Meeting 1: Sunday, August 21st, 10:30-noon (By Invitation Only – Lunch)

Island Suite, Level 1, Glasgow Crowne Plaza, connected to upper level of SEC

One of the rooms, rest is for the School

- Introductions and General Planning Information
- Useful Contacts
Web, Proceedings, INCE Digital Library, NNI Publicity, Guidelines, etc.
- Summary of Technical Program from the IN22 Team
Feedback and Discussion on IN22
- Summary of IN23 Technical Program Planning (Chiba, Japan, 20-23 August)
Feedback on Plans for IN23
- Summary of Technical Program Plans for IN24 (Nantes, 26-29 August, 2024)

FCTP Meeting 2: Wednesday, 11:30-1pm, (Open Meeting at Lunch)

Carron 2, Glasgow SEC

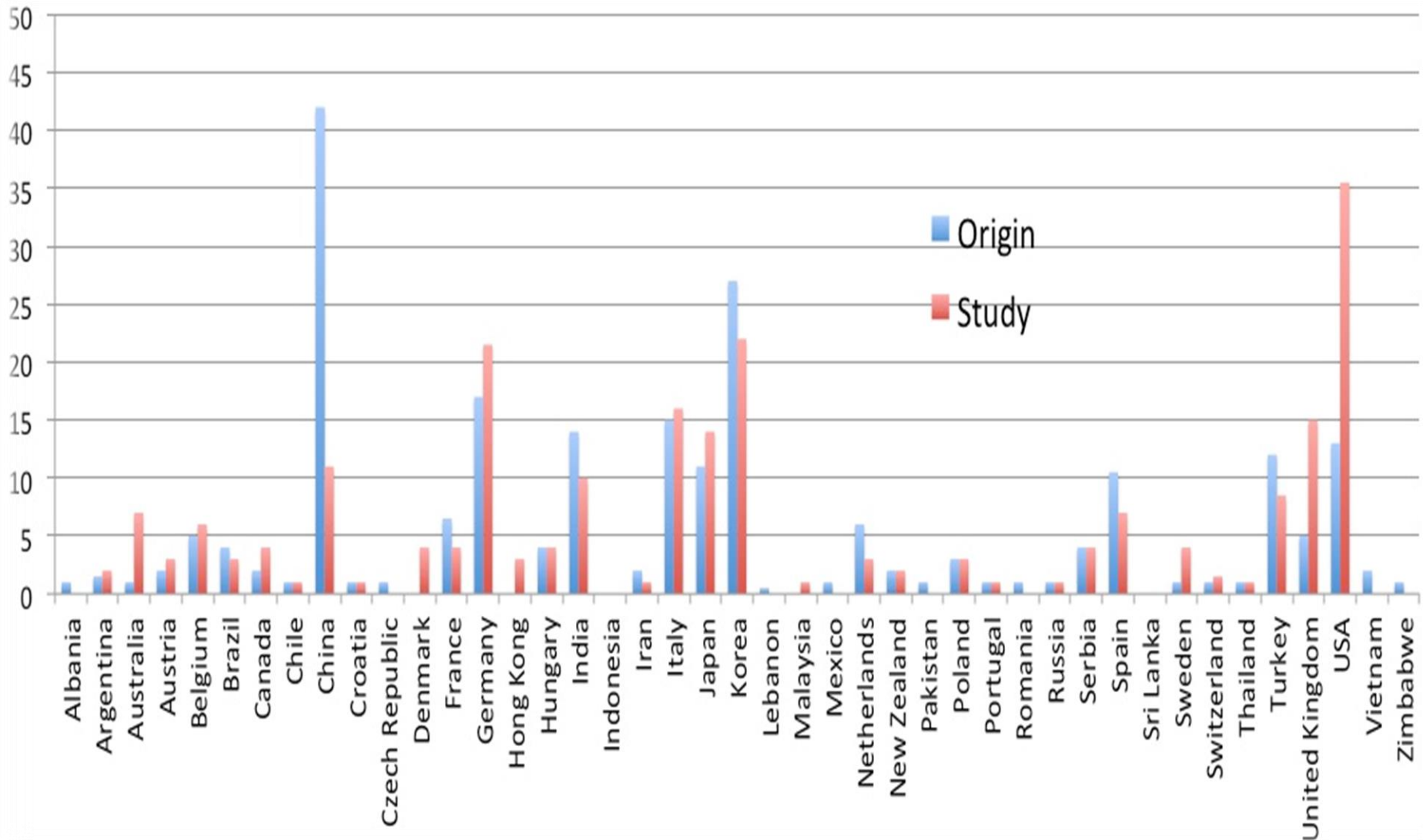
- Introductions & Feedback on Inter-Noise 2022
- Inter-Noise 2023 (Chiba) and Program Planning (Chiba Org. Team)
 - How do people sign-up to organize sessions, or help with session org.?
 - General Q&A on Chiba Congress
- Inter-Noise 2024 (Nantes) Information (Nantes Org. Team)
- Session Sign-Up
(Main Focus Chiba, but early can sign up for Nantes, too, or both.)

- ✓ **20=17+3** selected for awards to attend **INTER-NOISE 2022** from applicants.
I-INCE YP Coordinator 2017-2022: – Dr. O. Taha Sen of ITU (Turkey)
- ✓ *INTER-NOISE 2023: 13,500 EUR*
(12,000 EUR for 20 Grants + 1500 EUR for YP Workshop and Reception).

History

- ✓ 225 I-INCE grants (61 of 500 EUR each and 164 of 600 EUR each) awarded in the 13 years (2010-2022)
- ✓ *Countries Represented = 43 (counting origin or place of study)*
- ✓ Total Allocation by I-INCE in 13 years (2010-2022) = 128,900 EUR

225 Young Professionals' Attendance Awards Since Inception (2010-2022)



20 Awards: 12 Europe Africa, 6 Asia Pacific, 2 Americas; 17 Students 3 YP

		Origin	Study
Wannes	Stalmans	Belgium	Belgium
Jasper	Vastiau	Belgium	Belgium
Nara Gabriela de Mesquita	Peixoto	Brazil	Brazil
Vedran	Planinec	Croatia	Croatia
Elie	Abi Raad	France	Germany
Sri Krishna	Chaitanya	India	India
Pravinkumar	Ghodake	India	India
Balasundaram	Mohan	India	India
Matteo	Cingolani	Italy	Italy
Domenico	De Salvio	Italy	Italy
Cesare Lupo	Ferrari	Italy	Italy
Giulia	Fratoni	Italy	Italy
Luca	Fredianelli	Italy	Italy
Gioia	Fusaro	Italy	Italy
Daniele	Giannini	Italy	Belgium
Satoshi	Hoshika	Japan	Japan
Uyeup	Park	Republic of Korea	Republic of Korea
Laura Mariana	Babici	Romania	Spain
Ugur	Tatlier	Turkey	Turkey
Samuel	Underwood	USA	USA

- ☑ **Up to 20 I-INCE Grants available (600 EUR per person)**
Students and Young Professionals (within 10 years of 1st graduation)
Award used to pay for conference attendance expenses

☑ **Deadlines:**

- | | |
|---|-------------------|
| • Announcement made and Form Posted | September 30 2022 |
| • <u>Deadline of Abstract and YP Application Submission</u> | February 10, 2023 |
| • Notification of the YP Grants | March 30, 2023 |
| • Deadline of Full Paper Submission | May 19, 2023 |

Process for I-INCE Conference Attendee Awards:

- Abstract uploaded on the official website of INTER-NOISE 2023
- 5-page application form available from the I-INCE Young Professionals website
- Completed application uploaded on I-INCE Young Professionals website
- Rules must be followed for application to be eligible for review
- Paper and presentation at conference required to receive the award

Previous winners of the grant are not eligible.

Please encourage young professionals/students to apply

2022 Young Professionals Professional and Social Activities (Tom Galikowski & IOA Team, Chris Barlow, Angela Lamacraft)

- Buddy Scheme, Early Careers Breakfast, Monday Evening Social
- Professional Skills Sessions (Under Track 19)

Getting Published, Ethics, Grant Writing, Teamwork and Communication,
Uncertainties, Tech. Report Writing, etc.
(Monday – morning from 10:30 & afternoon)

Measurements and Methods Session
(Wednesday - Morning)

Sunday 21st August, 2022, 10:00am-3:30pm

Island Suite, Mezzanine Floor, Crowne Plaza Hotel, (connected to Glasgow SEC)

Hosts: Patricia Davies, Tyler Dare, Stuart Bolton and Sunit Girdhar

10:00am-10:15am Sign-In and Introductions



10:15am-11:10am

Instrumentation Essentials Part 1: Noise

Matt Torjussen, ANV, Milton Keynes, UK

11:15am-12:10am

Projects Related to Automotive Noise Control

Steve Sorenson, Toyota, Ann Arbor, USA

12:15pm-1:10pm Lunch



1:15pm-2:10pm

Research Projects in Environmental Noise Management and Control

Imaizumi Hiroyuki, AIST, Tsukuba, Japan



2:15pm-3:10pm

Vibration Isolation

Adam Fox, Mason UK Ltd

Sponsorship of I-INCE Symposia on Noise Control Engineering

Rules:

- The I-INCE Board will consider requests for sponsorship of an international symposium on a specialized noise control engineering topic with an anticipated small attendance (typically no more than 100).
- Symposium can include workshop or other types of meeting on topics that are central to the I-INCE mission.
- Currently, symposium organizers can apply for a grant from 1500 to 5000 Euros.

How to Apply:

- ☑ Application is limited to 2 pages (word or pdf file)
- ☑ Application Template & Instructions on I-INCE Technical Activities Website
- ☑ Application must be sent to the I-INCE VP of Technical Activities
- ☑ Deadline for a 2024 Symposium Proposal is 2023 April 30.

2022 Symposium: Noise Around Airports: A Global Perspective
Virtual Workshop - November 1-4, 2022

Hosted by the US National Academies of Engineering

Organized by the Technology for a Quieter America Group
George Maling, Bob Hellweg, Adnan Akay, Greg Fleming and Eric Wood.

Communications and Webmaster – VP Report

Eoin King

As VP for Communications and Webmaster, one of my main responsibilities is the general maintenance and upkeep of the I-INCE website. In an initial handover period, I was trained by the previous VP (Joe Cuschieri) on the operations of the website's back-end. Joe walked me through the back-end of the website (accessed through GoDaddy.com) which takes the form of a platform that enable simple html edits to the site. Since this training, I've been updating the website as required, i.e. upon receiving instruction from various partners

1. Updates to I-INCE Website

While the website in its current form has served the Institute well, in April of this year it was decided to update the website. After Board approval we engaged the services of a website developer (Web Done Well) to develop a new I-INCE website.

1.1 Rational for Revision

The I-INCE website is a valuable platform for the operations of I-INCE. It is currently the only public facing platform I-INCE maintains, and it also serves as a document repository for activities related to governance. While it currently fulfills its purpose, the last significant revision of the website occurred in 2013. Thus, the current version is almost 10 years old, and is in need of updating.

In parallel, the INTER-NOISE conference websites have recently all been streamlined, so that each year the website for the annual congress are of a similar style and structure. It was proposed that the I-INCE website be re-developed to reflect the general theme of the INTER-NOISE conference websites (for example <https://internoise2022.org>).

Based in South Carolina U.S.A., Web Done Well is the company that houses and runs the INTER-NOISE websites. Following some initial meetings, Web Done Well was selected as the developer to update the I-INCE website.

1.2 Revision

The content from the old I-INCE website has now been transferred over to the new website. It is not 'live' yet, but a test site is available for inspection: <https://iince.wpengine.com>

The menus to navigate through the website have been streamlined, and it allows easy access to some key features of the site. The revised homepage is displayed in Figure 1.

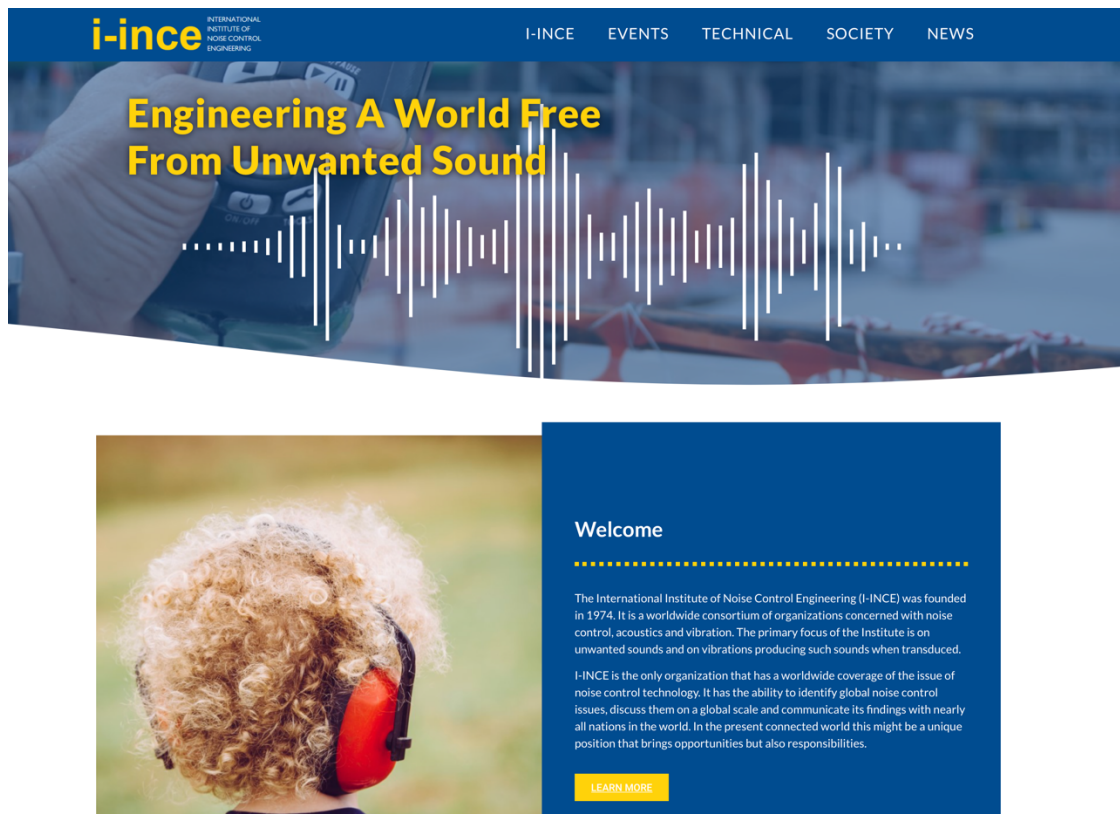


Figure 1: Revised Homepage with Institute’s vision prominently displayed

1.3 Future Plans (& A Call for Volunteers)

To reach its full potential the website needs volunteers to create/curate content for publication on the site. There are a number of items in need of immediate attention:

- Graphics: The website is currently using a collection of stock photos, or photos from previous Noise/News International articles. We would like more relevant photos/graphics to be included. Please contact me if you have anything that might be appropriate.
- Spotlight Feature on Homepage: At the moment the homepage features a spotlight on INTERNOISE-2022. Future Spotlights could include other prominent Activities (e.g. the Year of Sound, The Pursuit of Silence Movie, etc.), or future INTER-NOISE conferences.
- News Articles: Although not displayed at the moment, there is an option for three prominently displayed news articles on the Homepage. These could be news items related to activities of the Institute.
- A History of I-INCE: I-INCE has been in existence for almost 50 years. With a rich history, the website should include a detailed history of the foundation of I-INCE.
- The “Honoring” page needs to be updated with more details (and perhaps some photographs)

1.4 Costs

The costs for the website upgrade are as follows:

Year 1 - \$3,564

Including:

- complete site redesign (including porting all the content from current site to new redesigned site)
- Site Updates as instructed by Webmaster
- Daily Cloud backups
- 24/7/365 Uptime Monitoring
- Monthly Site Audits
- Multiple Daily Security Scans
- Updates (Wordpress, Plug-Ins etc.)
- Performance Monitoring
- Weekly Care Updates

Year 2 - \$1,164 (recurring annual fee)

Including:

- Site Updates as instructed by Webmaster
- Daily Cloud backups
- 24/7/365 Uptime Monitoring
- Annual Site Audit
- Daily Security Scans
- Updates (Wordpress, Plug-Ins etc.)
- Monthly Care Updates

The \$3,564 includes the redevelopment/building of the website and hosting, security, etc. There are no long-term commitments, and the Institute can cancel at any time.

After the website is built, the costs for ongoing hosting and maintenance will be reduced to \$1,164 per year. This will include website updates (as instructed by Webmaster), daily backups, security scans, plugin updates, performance monitoring, etc. All prices are inclusive of Tax/VAT.

2. Bulk purchase of domain names for INTER-NOISE Congress

To guarantee consistency across future congress websites, the Institute secured the rights to the following domain names:

- Internoise2024.org
- Internoise2025.org
- Internoise2026.org
- Internoise2027.org
- Internoise2028.org
- Internoise2029.org
- Internoise2030.org

We hold the rights for the next two years, and can renew as needed. The cost for the 7 domain name registrations, for 2 years was \$264.92.

We also hold the rights to internoise.org until 2028.

3. NOISE/NEWS INTERNATIONAL

Virtual Inc (who act as the INCE-USA Business Office) continue to serve as editor and publisher of NNI, with Caitlin McAuslin and Carol Fusaro, serving as the day-to-day editors, uploading files to the blog, assembling the NNI archival pdf magazine, and preparing it for publication.

Virtual Inc took over this editorial/publisher role from AMNET Systems last September, so it has been approximately 1 year since Virtual took this role. The standard of the publication has remained high, and Virtual have been able to move to publication slightly faster than AMNET, meaning that articles do not need to be submit 1 month in advance of publication.

I act as Managing Editor for the Magazine, and along with this role, I am continuing to work on developing the Noise/News International blog content together with the continued increase in social media presence, including Facebook and Twitter. The handle for Noise/News International is @NNIEditor. The objective is to keep readers informed on a quick rolling basis.

The March issue this year was a special issue on Motorcycle noise. This was an idea developed with Gijsjan van Blokland, and together we invited authors with expertise in motorcycle noise to submit articles. The idea of having a focused special issue was very well received, and led to increased submissions for this issue. We will aim to continue this strategy for each March issue of NNI, and have provisionally identified a theme related to “Noise Control and Sustainability” for next year’s special issue.

3.1 Current Paid Advertisers in NNI

Company	Run Time (Duration)	Start Date	End Date	Price
RION CO., LTD	12 Month	1/1/22	3/31/23	\$ 1,350.00
	4 Issues			\$ 6,000.00
	Total Spend			\$ 7,350.00
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NTI Audio	12 Month	4/1/21	3/31/2022	Paid in 2021
	4 Issues			
	Total Spend			Paid in 2021
--				
Intertek	3 Months	11/1/21	1/31/22	Paid in 2021
	Total Spend			Paid in 2021