

PROGRAMME

SUNDAY 1ST NOVEMBER

2.30pm - Exhibitors and suppliers set up at Trinity Wharf
4.30pm

MONDAY 2ND NOVEMBER - DAY 1

9.00am - Registration Open
10.00am

10.00am - Morning Tea and Trade Show | Trinity Rooms
11.00am

10.45am - Welcome and Conference Opening - Day 1
11.00am

11.00am - Keynote Speaker: *Craig Radford kindly sponsored by Marshall Day Acoustics*
12.00pm Autex Plenary Hall Session Chair: *Mike Kingan*

12.00pm - Lunch and Trade Show | Trinity Rooms
1.00pm

Session 1 *Kindly sponsored by Asona*

Building Acoustics 1

Aeroacoustics and Aircraft Noise

Location Autex Plenary Hall

Pool House Room

Chair Young-Ji Choi

Michael Kingan

1.00pm - Nobody expects the Spanish Inquisition, although AHU manufacturers may
1.20pm need to.

The effect of strut geometry on propeller-strut interaction tone noise

Richard Finley - Agile Engineering Consultants

*Xianghao Kong - The University of Auckland**

1.20pm - A New Look at Sound Field Diffusion in
1.40pm Reverberation Chambers[#]

Surround sound systems and helicopters

George Dodd - University of Auckland

Mark Poletti - Consultant

1.40pm - Frequency- Dependent Airborne- and
2.00pm Impact Sound Evaluation from 50 Hz based on the Standard SIA 181: 2020

Study on the instantaneous broadband noise of UAV propellers

Lubos Krajci - Soundtherm

*Jiaying Liu - University of Auckland**

2.00pm - Scale Model Testing of Scattering
2.20pm Coefficients for Auditoria Samples

Acoustic Challenges in Future Mobility – Insights from Vertiport Design

Gus Casey-Solly - Marshall Day Acoustics

Christian Vossart - GHD

2.20pm - Identity in Acoustic Heritage
2.40pm

Electric and Novel Propulsion Aircraft — What It Means for Airport Noise Management

Hedda Landreth - Te Herenga Waka - Victoria University

Steve Peakall - Marshall Day Acoustics

2.45pm - 3.15pm	Afternoon Tea and Trade Show Trinity Rooms	
Session 2	<i>Kindly sponsored by Holyoake</i>	
	Metamaterials and Music	Measurement Techniques and Signal Processing
Location	Autex Plenary Hall	Pool House Room
Chair	Andrew Hall	Mathew Legg
3.20pm - 3.40pm	Experimental Investigation of Cello Bridge Design Using 3D-Printed Models	An analysis of MEMs based and digital MEMs Microphones
	<i>Christine Zhou - University of Auckland*</i>	<i>Sam Jackson - Powell Fenwick</i>
3.40pm - 4.00pm	Vibration and Sound Attenuation Using Metamaterials through Machine Learning Enabled Design	Intensity-based transmission loss accuracy
	<i>Zongxi Li - University of Auckland*</i>	<i>Sebastian Yeoman - Canterbury Acoustic Testing Service</i>
4.00pm - 4.20pm	Wave Goodbye to Urban Noise: Acoustic Metasurfaces for Ventilated Openings	Speech intelligibility improvement for drone audio broadcasting using ego noise modelling
	<i>Andrew Hall - University of Auckland</i>	<i>Zhan Shi - University of Auckland*</i>
4.20pm - 4.40pm	Locally resonant metamaterials for sound insulation in compact double-leaf doors: a preliminary study	Localisation of Cat Vocalisation with Compressive Sensing
	<i>John Chen - University of Auckland*</i>	<i>Chushu Feng - University of Auckland*</i>
4:40pm - 5:00pm		Plan B! Measuring Speech Transmission Index using low-cost equipment
		<i>Thomas Scelo - Acoustic Research and Design</i>
5:00pm - 6:00pm	Free time - walk to Welcome Function	
6.00pm - 8.00pm	Welcome Function The Tauranga Club, Level 5, Devonport Towers, 72 Devonport Road	

*denotes Student papers

TUESDAY 3RD NOVEMBER - DAY 2

8.15am - 8.45am	Registration and Meet for Technical Tours Entrance Foyer	
9.00am - 12.00pm	Tours <i>kindly sponsored by GIB</i> GIB Factory Tour OR CBD Walking Tour	
12.00pm - 1.00pm	Lunch and Trade Show Trinity Rooms	
Session 3	<i>Kindly sponsored by Batten & Cradle</i>	
	Building Acoustics 2	Road Traffic Noise
Location	Autex Plenary Hall	Pool House Room
Chair	Tim Beresford	Richard Jackett
1.00pm - 1.20pm	NZBC Clause G6 Scoping Review by the Acoustical Society of New Zealand	Nobody expects the uncertainty in prediction!
	<i>Tim Beresford - Agile Engineering Consultants</i>	<i>Richard Jackett - Waka Kotahi NZTA</i>

Session 3	<i>Kindly sponsored by Batten & Cradle</i>	
	Building Acoustics 2	Road Traffic Noise
1.20pm - 1.40pm	Acoustic Performance of New Batten & Cradle Floor Systems over CLT Subfloors <i>Dylan Guthrie - Agile Engineering Consultants</i>	Estimating Porous Asphalt Layer Thickness Using Close-Proximity Tyre-Road Noise <i>George Bell - Altissimo Consulting Ltd</i>
1.40pm - 2.00pm	Lowering the Noise Floor: Evaluating Novel Floor Systems for Acoustic Comfort <i>Andrew Hall - University of Auckland</i>	Counts and Corrections: Investigating the Uncertainty in Traffic Noise Modelling for Sound Insulation Rules <i>Haydn Nicholson - Acoustic Engineering Services</i>
2.00pm - 2.20pm	Acoustic Performance of Seismically Resilient CLT Volumetric Modules: A New Zealand Prototype Study <i>Shaun King - Marshall Day Acoustics</i>	Is this the right room for an argument? – Development of road-traffic noise standards by consensus <i>Stephen Chiles - Chiles Ltd</i>
2.20pm - 2.40pm		Prioritising Road Surface Upgrades for Health Benefits: A Framework for NZTA's State Highway Network <i>Shivam Jakhu - AECOM</i>
2.45pm - 3.15pm	Afternoon Tea and Trade Show Trinity Rooms	
Session 4	<i>Kindly sponsored by T&R Interior Systems</i>	
	Acoustics of Materials and Products	Railway and Environmental Noise
Location	Autex Plenary Hall	Pool House Room
Chair	George Dodd	Mathew Bronka
3.20pm - 3.40pm	Exhausting the Silence: Speakerless Sound Generation in EV Motorsport <i>Andrew Hall - University of Auckland</i>	Delivering Mega Projects and Solving Mega Problems: Lessons in Acoustics, Communication and Politics from Major Rail Infrastructure Projects <i>Axel Montes De Oca - AECOM</i>
3.40pm - 4.00pm	A review of different assessments methods for evaluating sound absorption of a fiberglass ceiling tile <i>Mike Latimer - Canterbury Acoustic Testing Service</i>	Vibration of Rail Movements – Technical and Practical Approach <i>Vitalii Zaiets - AECOM</i>
4.00pm - 4.20pm	Pathway for Vibration Dissipation in Floating Floors Through Inertia-Based Dynamic Vibration Absorption <i>Ahmed Mustafa - University of Auckland*</i>	Case study managing curve squeal on the Auckland City Rail Link <i>Nick Craven - AECOM</i>
4.20pm - 4.40pm	Granular Infill for Lightweight Floor Sound Insulation: Comparison with Equivalent Discrete and Smeared Added Mass <i>Yousif Badri - University of Auckland*</i>	Seeing What We Hear: Edge-AI Vehicle Detection and Counting for Source Attribution in Environmental Noise Monitoring <i>Owen Li - Marshall Day Acoustics</i>
4.45pm - 6.00pm	Free Time	
6.00pm	Buses depart from Trinity Wharf for Hushtec Gala Dinner	
6.30pm till late	Hushtec Gala Dinner Classic Flyers, 9 Jean Batten Drive	

WEDNESDAY 4TH NOVEMBER - DAY 3

8.30am - 9.30am	Registrations and Trade Show	
9.30am - 9.45am	Welcome and Housekeeping - day 3	
9.45 - 10.45am	Keynote speaker: <i>Mary Hill</i> <i>Kindly sponsored by Hushtec</i> Chair: <i>James Whitlock</i> Autex Plenary Hall	
10.45am - 11.15am	Morning Tea Trinity Rooms	
Session 5	<i>Kindly sponsored by Cetaware</i>	
	Environmental Noise and Vibration	Human Factors
Location	Autex Plenary Hall	Pool House Room
Chair	Jon Styles	Tracy Hilliker
11.20am - 11.40am	Managing construction noise outside normal hours on a major Australian (NSW) road infrastructure project: A case study with international comparison <i>Teanuanua Villierme</i> - <i>EMM Consulting</i>	The effect of spatial separation on tonality perception <i>Sato Koyama</i> - <i>Marshall Day Acoustics</i>
11.40am - 12.00pm	More questions and answers in noise assessment at an undergraduate level <i>Wyatt Page</i> - <i>Massey University</i>	Agentic AI: Opportunities and Challenges for Acoustics <i>Mathew Legg</i> - <i>NZ Skills and Education College</i>
12.00pm - 12.20pm	Mapping Commercial Shipping Underwater Radiated Noise (URN) to Inform Speed and Spatial Controls Near Marine Protected Areas (MPA) <i>Micky Yang</i> - <i>Marshall Day Acoustics</i>	Resonating With Listeners: Subjective Evaluation of Acoustic Metamaterial Wall Systems <i>Andrew Hall</i> - <i>University of Auckland</i>
12.25- 1.25pm	Lunch Trinity Rooms	
1.30pm - 2.00pm	Conference Closing Harry Clark Prize for Room Acoustics (sponsored by Marshall Day) and Student Prizes Awarded	

THURSDAY 5TH NOVEMBER - DAY 4

9.00am - 12.00pm	NZTA Workshop Trinity Wharf
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