PROGRAMME

MONDAY 2ND NOVEMBER - DAY 1		
9.00am - 10.00am	Registration Open	
10.00am - 10.45am	**Morning Tea and Trade Show | Trinity Rooms**	
10.45am - 11.00am	Welcome and Conference Opening - Day 1| Autex Plenary Hall	
11.00am - 12.00pm	**Keynote Speaker: Craig Radford | *kindly sponsored by Marshall Day Acoustics*** Autex Plenary Hall **Session Chair: *Mike Kingan***	
12.00pm - 1.00pm	**Lunch and Trade Show | Trinity Rooms**	
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 - 1.20pm	Nobody expects the Spanish Inquisition, although AHU manufacturers may need to. ***Richard Finley** - Agile Engineering Consultants*	The effect of strut geometry on propeller-strut interaction tone noise ***Xianghao Kong** - University of Auckland**
1.20pm - 1.40pm	A New Look at Sound Field Diffusion in Reverberation Chambers ***George Dodd** - University of Auckland*	Surround sound systems and helicopters ***Mark Poletti** - Consultant*
1.40pm - 2.00pm	3D room impulse measurements in rooms for speech: Assessing the reliability and performance of low-cost equipment ***Young-Ji Choi** - Kangwon National University*	Study on the instantaneous broadband noise of UAV propellers ***Jiaying Liu** - University of Auckland**
2.00pm - 2.20pm	Scale Model Testing of Scattering Coefficients for Auditoria Samples ***Gus Casey-Solly** - Marshall Day Acoustics*	Acoustic Challenges in Future Mobility – Insights from Vertiport Design ***Christian Vossart** - GHD*
2.20pm - 2.40pm	Identity in Acoustic Heritage ***Hedda Landreth** - Te Herenga Waka - Victoria University*	Electric and Novel Propulsion Aircraft — What It Means for Airport Noise Management ***Steve Peakall** - Marshall Day Acoustics*

2.45pm - 3.15pm	**Afternoon Tea and Trade Show | Trinity Rooms**	
Session 2	***Kindly sponsored by Holyoake***	
	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 ***Christine Zhou*** *- University of Auckland**	An analysis of MEMs based and digital MEMs Microphones ***Sam Jackson*** *- Powell Fenwick*
3.40pm - 4.00pm	Vibration and Sound Attenuation Using Metamaterials through Machine Learning Enabled Design ***Zongxi Li*** *- University of Auckland**	Intensity-based transmission loss accuracy ***Sebastian Yeoman*** *- Canterbury Acoustic Testing Services*
4.00pm - 4.20pm	Wave Goodbye to Urban Noise: Acoustic Metasurfaces for Ventilated Openings ***Andrew Hall*** *- University of Auckland*	Speech intelligibility improvement for drone audio broadcasting using ego noise modelling ***Zhan Shi*** *- University of Auckland**
4.20pm - 4.40pm	Locally resonant metamaterials for sound insulation in compact double-leaf doors: a preliminary study ***John Chen*** *- University of Auckland**	Localisation of Cat Vocalisation with Compressive Sensing ***Chushu Feng*** *- University of Auckland**
4.40pm- 5.00pm		Plan B! Measuring Speech Transmission Index using low-cost equipment ***Thomas Scelo*** *- Acoustic Research and Design*
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	**Technical Tours:** **Option 1: GIB Factory Tour |** ***kindly sponsored by GIB*** **Option 2: Tauranga CBD Walking Tour**	
12.00pm - 1.00pm	**Lunch and Trade Show | Trinity Rooms**	
Session 3	***Kindly sponsored by Batten & Cradle***	
	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 ***Tim Beresford*** *- Agile Engineering Consultants*	Nobody expects the uncertainty in prediction! ***Richard Jackett*** *- Waka Kotahi NZTA*

Session 3	***Kindly sponsored by Batten & Cradle***	
	Building Acoustics 2	**Road Traffic Noise**
1.20pm - 1.40pm	Acoustic Performance of New Batten & Cradle Floor Systems over CLT Subfloors ***Dylan Guthrie*** *- Agile Engineering Consultants*	Estimating Porous Asphalt Layer Thickness Using Close-Proximity Tyre–Road Noise ***George Bell*** *- Altissimo Consulting Ltd*
1.40pm - 2.00pm	Lowering the Noise Floor: Evaluating Novel Floor Systems for Acoustic Comfort ***Andrew Hall*** *- University of Auckland*	Counts and Corrections: Investigating the Uncertainty in Traffic Noise Modelling for Sound Insulation Rules ***Haydn Nicholson*** *- Acoustic Engineering Services*
2.00pm - 2.20pm	Acoustic Performance of Seismically Resilient CLT Volumetric Modules: A New Zealand Prototype Study ***Shaun King*** *- Marshall Day Acoustics*	Is this the right room for an argument? – Development of road-traffic noise standards by consensus ***Stephen Chiles*** *- Chiles Ltd*
2.20pm - 2.40pm	Frequency- Dependent Airborne- and Impact Sound Evaluation from 50 Hz based on the Standard SIA 181: 2020 ***Lubos Krajci*** *- Soundtherm*	Prioritising Road Surface Upgrades for Health Benefits: A Framework for NZTA's State Highway Network ***Shivam Jakhu*** *- AECOM*
2.45pm - 3.15pm	**Afternoon Tea and Trade Show | Trinity Rooms**	
Session 4	***Kindly sponsored by T&R Interior Systems***	
	Acoustics of Materials and Products	**Railway and Environmental Noise**
Location	**Autex Plenary Hall**	**Pool House Room**
Chair	**George Dodd**	**Matthew Bronka**
3.20pm - 3.40pm	Exhausting the Silence: Speakerless Sound Generation in EV Motorsport ***Andrew Hall*** *- University of Auckland*	Delivering Mega Projects and Solving Mega Problems: Lessons in Acoustics, Communication and Politics from Major Rail Infrastructure Projects ***Axel Montes De Oca*** *- AECOM*
3.40pm - 4.00pm	A review of different assessments methods for evaluating sound absorption of a fiberglass ceiling tile ***Mike Latimer*** *- Canterbury Acoustic Testing Service*	Vibration of Rail Movements – Technical and Practical Approach ***Vitalii Zaiets*** *- AECOM*
4.00pm - 4.20pm	Pathway for Vibration Dissipation in Floating Floors Through Inertia-Based Dynamic Vibration Absorption ***Ahmed Mustafa*** *- University of Auckland**	Case study managing curve squeal on the Auckland City Rail Link ***Nick Craven*** *- AECOM*
4.20pm- 4.40pm	Granular Infill for Lightweight Floor Sound Insulation: Comparison with Equivalent Discrete and Smeared Added Mass ***Yousif Badri*** *- University of Auckland**	Seeing What We Hear: Edge-AI Vehicle Detection and Counting for Source Attribution in Environmental Noise Monitoring ***Owen Li*** *- Marshall Day Acoustics*
4.40pm - 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: Mary Hill** | ***Kindly sponsored by Hushtec*** **Chair:** ***James Whitlock*** | Autex Plenary Hall	
10.45am - 11.15am	**Morning Tea | Trinity Rooms**	
Session 5	***Kindly sponsored by Cetaware***	
	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	The effect of spatial separation on tonality perception
	Teanuanua Villierme *- EMM Consulting*	***Sato Koyama*** *- Marshall Day Acoustics*
11.40am- 12.00pm	More questions and answers in noise assessment at an undergraduate level	Agentic AI: Opportunities and Challenges for Acoustics
	Wyatt Page *- Massey University*	***Mathew Legg*** *- NZ Skills and Education College*
12.00pm - 12.20pm	Mapping Commercial Shipping Underwater Radiated Noise (URN) to Inform Speed and Spatial Controls Near Marine Protected Areas (MPA)	Resonating With Listeners: Subjective Evaluation of Acoustic Metamaterial Wall Systems
	Micky Yang **-** *Marshall Day Acoustics*	***Andrew Hall*** *- University of Auckland*
12.25pm - 1.00pm	**Conference Closing** **Harry Clark Prize for Room Acoustics** ***sponsored by Marshall Day Acoustics*** **and Student Prizes Awarded**	
1.00pm - 2.00pm	**Lunch | Trinity Rooms**	

THURSDAY 5TH NOVEMBER

9.00am - 12.00pm	**NZTA Workshop | Trinity Wharf, Pool House Rooms**