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BUILDING RESILIENCE

CONFERENCE 2025

15–17 October 2025

Auckland Viaduct Events Centre

Conference Programme



THE CONFERENCE ORGANISING COMMITTEE GRATEFULLY
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Wednesday 15th October

13.00 - 16.00	Holcim Site Tours RSVP required	
16.30 - 19.30	Registration Desk & Exhibition Open	Waiheke
17.30 - 19.30	President's Reception <i>Proudly Supported by Golden Bay</i>	Waiheke



Thursday 16th October

07.30 - 16.30	Registration Desk & Exhibition Open		Waiheke
08.30 - 09.00	Conference Opening Mihi Whakatau Welcome, Organising Committee Chair, Alistair Russell		Kawau
09.00 – 10.35	Session 1: Chair: Moustafa Al-Ani		
09.00 – 09.45	Keynote Speaker: Clare Tubolets , SmartCrete CRC Decarbonised Concrete – What’s stopping us? An Australian perspective		
09.45 - 09.50	Brian Dillon , Construction Growth Foundation (CGF)		
09.50 - 10.35	Keynote Speaker: Andrew Minson , Global Cement & Concrete Association (GCCA) Global perspectives on delivering zero carbon in cement and concrete sector		
10.35 - 11.10	Morning Tea		Waiheke
11.10 – 12.30	Session 2A Chair: Rick Henry	Session 2B Chair: Dave Darlow	
Room	Kawau	Rangitoto	
11.10 - 11.30	Structural Design of Bledisloe North Wharf Martin Kirkpatrick, Beca	Concrete Materials Technology: Selected ABCs to Improve Project Decisions and Outcomes Sue Freitag, WSP New Zealand Limited & Paul Donoghue, Concrete NZ	
11.30 – 11.50	Seeing Further - Hihiani Radar Project, Hawkins Hill, Wellington Alex Kelly & John Heenan, Beca	Energy Requirements and Cost Analysis for Drying Pumice for Use as a Supplementary Cementitious Material Luay N. Dwaikat, The University of Auckland, Ara Institute of Canterbury	
11.50 - 12.10	Bentonite Support Fluid – Interactions with Steel Reinforcing Bar and the Effect on Concrete-Rebar Bonding Dorian Borosnyoi-Crawley, WSP Research and Innovation Centre	Experimental Study on Predictive Models for Anchorage in Concrete Incorporating Supplementary Cementitious Materials Emanuele Naccini, Reid - ITW Concrete Systems	
12.10 - 12.30	Robot-Ready Floors: Aligning Concrete Floor Performance with Warehouse Automation Tim Walker, Face Consultants Ltd, Cogri Group	Estimation of the CO2 emissions of limestone calcined clay-based 3D- Concrete Printing mixtures Zahir Azimi, University of Canterbury	
12.30 - 13.30	Lunch		Waiheke

Thursday 16th October

13.30 – 14.50	Session 3A Chair: Dave McGuigan	Session 3B Chair: Tim Kleir	Session 3C Chair: Mike Botherway
Room	<i>Kawau</i>	<i>Rangitoto</i>	<i>Motutapu</i>
13.30 - 13.50	Te Whau Pathway Project: Modular Precast Design for Low-Impact Construction in an Ecologically Sensitive Marine Environment, Jia Xu, Beca & Amy O'Donnell, HEB Construction	Review of the Reactivity Testing Methods for Pozzolanic Materials Amirhoseein Saesaei, University of Auckland	Concrete NZ Readymix Business Plan Update Mike Botherway, Higgins Concrete Ltd Concrete Pump Safety – Open Discussion
13.50 - 14.10	Takitimu North Link – Stage 1 Cameron Weir, Beca & Dan Ashby, Holmes	Rapid-Hardening Concrete in Airside Infrastructure: A Case Study of Large-Scale Application at Melbourne Airport Eike Brueckner & Patrick Staehli, Concretum Construction Science AG	MATES Programme Slade McFarland, MATES in Construction Q&A
14.10 - 14.30	The Electrification of Local Steelmaking and Reinforcing Bar Manufacturing Israel MacDonald, New Zealand Steel	Ultra-High Performance Concrete (UHPC) - an environmentally friendly concrete solution Ray Hudd, University of Waikato	
14.30 - 14.50	Experimental Investigation of Composite Anchoring Systems for Load Transfer Between Carbon fibre Connectors and Concrete Under Flexural and Axial Tension Loading Conditions Prashant Magare, MBP (NZ) Ltd (Mapei Group)	AI-Driven Optimization in Concrete Logistics: A Pathway to Net-Zero and Operational Excellence Paul Flachskampf, Inform Software Corporation Pty Ltd	
14.50-15.20	Afternoon Tea		Waiheke
15.20 -16.30	Concrete NZ AGM: 15.20 – 15.50 Learned Society AGM: 15.50 – 16.05 Readymix AGM: 16.05 – 16.30 <i>With refreshments</i>		Rangitoto
18.30	Pre-dinner Drinks and Canapes		Waiheke
19.00 - Late	Formal Conference Dinner & Awards Evening		Kawau

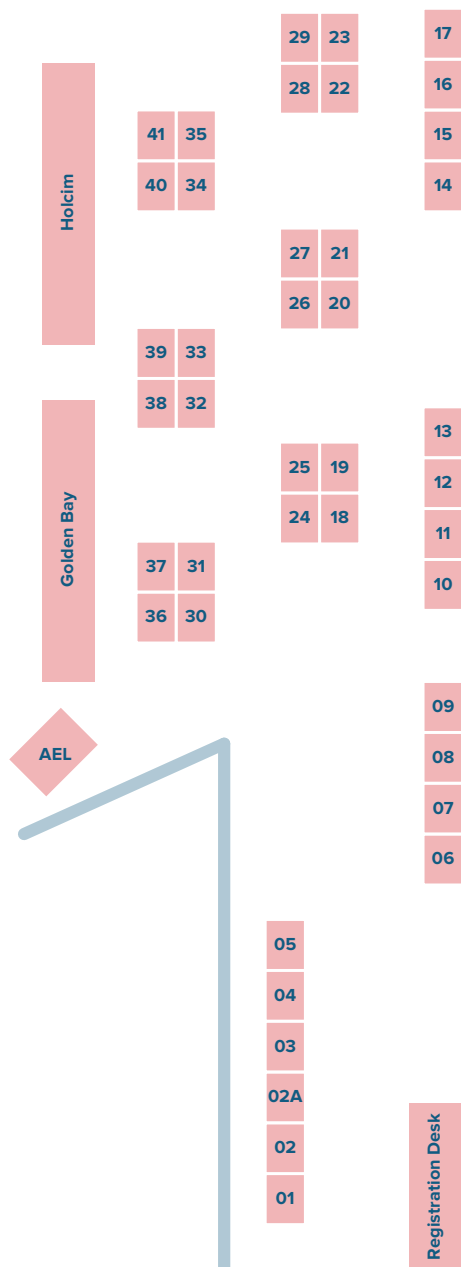
Friday 17th October

08.30 - 15.30	Registration Desk & Exhibition Open		Waiheke
09.00 - 09.55	Session 4: Chair: Mike Botherway Keynote Speaker: Sir John Kirwan (<i>pre-recorded</i>) and Dr Fiona Chrichton , Groov From the Ground Up: The Concrete Case for Performance Care		Kawau
09.55-10.00	Move to breakout sessions		
10.00 – 10.40	Session 5A Chair: Tim Blackburn	Session 5B Chair: Allan Scott	
Room	Kawau	Rangitoto	
10.00 - 10.20	Evaluating AS/NZS 2327 Provisions for Deep Deck Composite Slabs: Insights from Full-Scale Testing of ComFlor 210 Profiles Hayden Wright, Holmes Solutions	Calced Clay Cement - A local Perspective Jarod Wilson, Golden Bay Cement	
10.20 - 10.40	Review Of Structural Connection Details in Recently Constructed Medium-Density Housing Guocai Lin & Siyuan Feng, University of Auckland	Breaking Barriers: Empowering trades women to excel in the New Zealand Concrete Industry Andy Donohue & Amanda Williams, BCITO	
10.40 - 11.10	Morning Tea		Waiheke
11.10 – 12.10	Session 6A Chair: Kent Huxford	Session 6B Chair: Paul Donoghue	
Room	Kawau	Rangitoto	
11.10-11.30	Optimizing Steel Fibre Reinforced Concrete Performance: Spacing Theory and Application-Specific Safety Factors Sean Page-Wood, Bosfa	Performance of Concrete with Low Water Demand Pumice at Normal and Elevated Temperatures Kavishan Sathsara Ranatunga, The University of Auckland	
11.30-11.50	Sustainable Long-Term Repair of Reinforced Concrete Structures using Galvanic encasements and Jackets Andrew Dickinson, Vector Corrosion Technologies	Cradle-To-Cradle Life Cycle Assessment of Modular Concrete Gravity Retaining Walls: A Case Study on Emissions and Carbon Uptake Potential Osama Mughrabi, The University of Auckland	
11.50 - 12.10	Effect of Hyperstatic Loads from Post-Tensioned Slabs on Columns and Walls in High-Rise Buildings Thu Ha Tran, Auckland University of Technology	Paving the Future Michel Abou Jaoude, Bosfa Pty Ltd	
12.10 - 13.10	Lunch & Cricket Bat Competition		Waiheke

Friday 17th October

13.10 -14.30	<p>Session 7: Lighting Talks Moderator: Ralf Kessel</p> <p>Ronald Lumantarna & Lachlan Hick - Solutions for shear performance of fixings with annular gap in accordance with international standards Adnan Ahmed - The Britomart Skylid: Design and Construction Considerations Marco Chui - Design of Westpoint Drive Nick Kerr - Streamlining Concrete Mix Design and Business Efficiency with an AI-Powered Excel Application Matthew Thornton - The Repair of a Dilapidated Concrete Wing Wall Tony Wang - Detailing and Coordination in the Design of the Silverstream Landfill Stormwater Chute Thomas D. Kishore - Challenges and prospects of mussel shell pozzolanic binder in Aotearoa New Zealand Lisa Lin - From Structure to Surface: Exploring the Aesthetic Potential of Functionally Graded Concrete in Architecture Banu Balaskandan - Mg-based Binder Systems with Inexpensive Aluminosilicates for Terrestrial and Off-Earth Applications Stefania Mattea - Concrete with Pumice: Economic Insights and Consumer Preferences Ivy Hua - Overview of the O2NL Project Izzy Cattermole & Fraser Beggs - WSP's Low Carbon Concrete Guide</p>	Kawau
14.30 - 15.30	<p>Session 8: Plenary Session + Conference Closing Ceremony Chair: Alistair Russell</p> <ul style="list-style-type: none"> • Alistair Russell - Learned Society Diaphragm Project • Rick Henry (University of Auckland), Allan Scott (University of Canterbury) & Ray Hudd (University of Waikato) - Universities Research Update • Moustafa Al-Ani - Concrete Cricket Bat Competition Presentation • Tim Blackburn - Sandy Cormack Award + Lightning Talk Presentation • Philip Yong (Director of Clendon Burns & Park Ltd) & Dean Latham (Operations Manager, Contech) - Te Whare o Rehua Sarjeant Gallery Project Profile • Moustafa Al-Ani - Learned Society Update + Closing 	Kawau

Exhibition Floorplan



Organisation	Stand
ACRS - Steel Certification	Stand 02
AEL	Stand 31, 37 & Machinery Display
BarChip Inc & Geosynthetic Partners International Ltd	Stand 05
BCITO	Stand 10 & Coffee Cart
BOSFA NZ	Stand 19
BuildingPoint New Zealand	Stand 24
Chryso / Saint-Gobain	Stand 33
Command Alkon	Stand 35
Complete Reinforcing	Stand 15
Concrete NZ	Stand 16 & 17
Concrete Solutions Ltd	Stand 08
Conequip Ltd	Stand 39
CONQOR by MARKHAM	Stand 01
Conveyor Industries	Stand 22
Dorner New Zealand Ltd	Stand 14
Duragroup Ltd	Stand 09
Firth Industries	Stand 11
Fletcher Reinforcing	Stand 28
Fosroc	Stand 12
Geotechnics	Stand 07
Golden Bay	Stand 18 & Machinery Display
HOLCIM	Stand 26, 27 & Machinery Display
IMBMS	Stand 36
Inforce Global	Stand 04
J P Marshall Engineering	Stand 13
Leviat	Stand 32
Master Builders Solutions	Stand 06
MBP (NZ) Ltd	Stand 34
Pacific Steel	Stand 30
Powerpac Group	Stand 02A
Pultron - Mateenbar GFRP Rebar	Stand 29
PYTHON Fixings	Stand 40
Reid & Ramset	Stand 20 & 21
Sika	Stand 25
Steel & Tube	Stand 23
Tekton Consulting	Stand 41
Winstone Aggregates	Stand 03
Working In	Stand 38



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