



CONFERENCE PROGRAMME

14 NOVEMBER 2024



Christchurch, New Zealand



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Wednesday 13th November

16.30	Readymix AGM Room: Bealey 3
17.00	Concrete NZ AGM Room: Bealey 3
18.00 – late	Concrete NZ Gala Dinner Room: Rakaia Room

Thursday 14th November

8.00 – 15.30	Registration & Exhibition open Te Pae Convention Centre	
	Session 1 <i>Chair: Rick Henry</i> Room: Auditorium	
8.30	Mihi Whakatau & Conference Opening	
8.35	Address from Hon Chris Penk – Minister for Building and Construction	
8.50	City Rail Link: Te Waihorotiu Station – Sustainability in Design and Construction <i>Ethan Page</i>	
9.10	Resilience Through the Six Pillars: Thriving in Challenging Times <i>Dr Fiona Crichton & Mike Botherway</i>	
9.30	Break	
9.40	Lightning Talks <i>Moderator: Rob Gaimster</i>	
	<ol style="list-style-type: none"> Pioneers: A Brief History of Concrete in NZ <i>Tim Blackburn</i> A-Z of Sustainable Concrete <i>Tim Kleier</i> Design trends in green roofs engineering <i>Szymon Dawczynski</i> Effects of SCMs on Coloured Concrete <i>Stu Hunter</i> How to Finish Low Carbon Concrete <i>Paul Donoghue</i> Mechanical properties of the geopolymeric binders based on power plants' fly ashes <i>Szymon Dawczynski</i> Introduction of non-destructive testing (NDT) equipment for quality control of concrete structures, with a specific focus on ultrasonic testing <i>Mohammad Mottaghi</i> Rethinking Reinforcement: GFRP as a Durable Alternative for Concrete Bridges <i>Cain Stratford</i> Opportunities to extend use of Super Tee bridge beams by optimising design and construction methodologies <i>Rhys Rogers</i> A Hard Road to Hoe <i>Bernie Napp</i> University of Canterbury Concrete Cricket Bat <i>Tom MacDonald, Jarrod Millar & Blake Bannan</i> 	
10.30	Morning Tea Room: Exhibition Hall 1 & 2	
	Session 2A <i>Chair: Kerry Newton</i> Room: Bealey 4 & 5	Session 2B <i>Chair: Alistair Russell</i> Room: Auditorium
11.00	AI Implications for the Concrete Workplace <i>Nate Buchanan</i>	11.00 Leaching Potential of Silicomanganese Fume Used as Supplementary Cementing Material in Concrete <i>Asad Hanif</i> 11.18 Traceability and Compliant Reinforcing Steels <i>Andrew Wheeler</i> 11.36 Lower embodied carbon design with concrete bridges <i>Hanna Davidson</i>
11.40	Particle Packing and the Pareto Principle in Concrete Technology <i>James Mackechnie</i>	11.54 Connecting communities via post tensioned concrete - Te Papa Ōtākaro Avon River Precinct, North Frame Pedestrian Bridge <i>Jeremiah Shaw</i>
12.05	Concrete Pump Health & Safety <i>Brian Godfrey</i>	12.12 Concrete Industry Apprenticeships – strategies for successful retention and completion <i>Greg Durkin</i>
12.30	Lunch Room: Exhibition Hall 1 & 2	

Thursday 14th November

Session 3A <i>Chair: Allan Scott</i> Room: Bealey 4 & 5		Session 3B <i>Chair: Dave McGuigan</i> Room: Auditorium	
13.30	Mental Health & Safety: Managing People <i>Martin Wouters</i>	13.30	Seismic design of post-installed fasteners in New Zealand <i>Dorian Borosnyoi-Crawley</i>
		13.48	Seismic Testing of cast-in and post-installed anchors with a commercially available tolerance enabling device <i>Andrew Coumaros</i>
14.00	Pervious Concrete <i>Nasser Almesfer</i>	14.06	Counterfort Walls and Maximising Pedestrian Spaces in Queenstown <i>Nick Hann</i>
14.20	Green & Sustainable Construction with Recycled & High Strength Steel <i>Saravanan Natarajan</i>	14.24	3D Modelling Reinforcing Steel - A new resource for Safety & Quality <i>Christo Erasmus</i>
14.38	Low carbon cement replacement <i>Cyril Giraud</i>	14.42	Parametric Analysis to Determine the Connection Capacity of the Headed Stud Joint Connection in Steel-Prestressed Concrete Hybrid Girder <i>Upul Kumarage Chamara Sandaruwan</i>
15.00	Afternoon Tea Room: Exhibition Hall 1 & 2		

Session 4 <i>Chair: Moustafa Al-Ani</i> Room: Auditorium	
15.30	How Concrete can help Local Authorities to protect communities <i>Ralf Kessel</i>
15.55	The place and purpose of the CNZ Learned Society: present & future <i>Rick Henry</i>
16.20	Avoiding Problems in Concrete Construction <i>Alex Gray</i>
16.45	Conference Closing

Parallel Events on Thursday 14th November

		Site Visit
	Fib Model Code Session Room: Dobson 1 & 2	University of Canterbury Structural Engineering Lab Tour
9.30	Fib Model Code Part 1	
10.50	Morning Tea Room: Exhibition Hall 1 & 2	
11.10	Fib Model Code Part 2 Room: Dobson 1 & 2	11.30 Return to Te Pae Christchurch Convention Centre
13.00 – 13.30	Lunch Room: Exhibition Hall 1 & 2	

Fib Symposium and ConcreteNZ Conference App

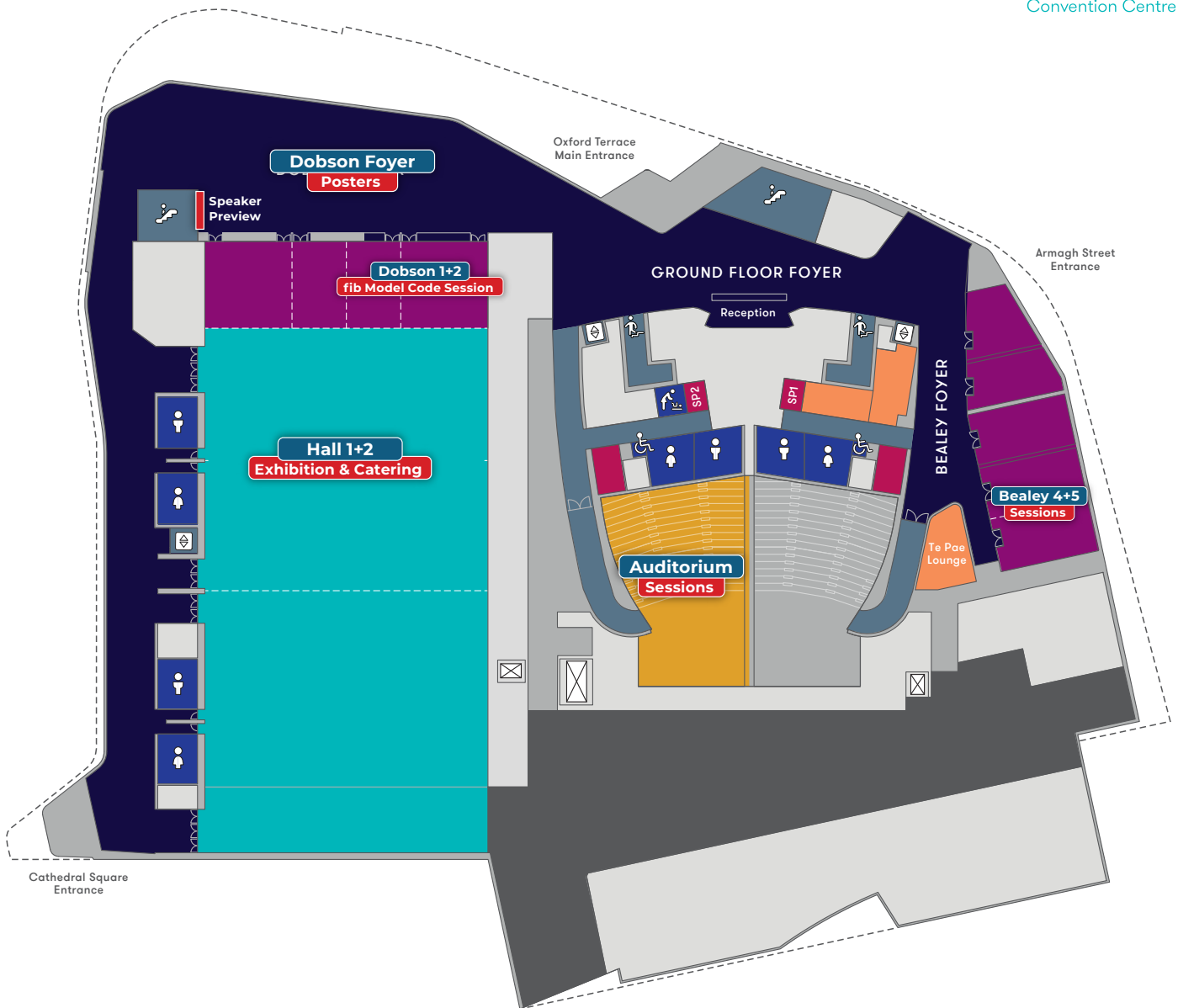


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Floorplan

Ground Floor



Key:

- | | | | |
|---|----------------------|---|---------------|
|  | Stairs |  | Meeting Rooms |
|  | Escalator |  | Foyers |
|  | Passenger Lift |  | Auditorium |
|  | Back of House Lift |  | Halls |
|  | Toilets | | |
|  | Toilets - Accessible | | |
|  | Parents Room | | |

Special Dietary Requirements

If you indicated your dietary requirement during the online registration, this has been forwarded to the Te Pae catering team.

Depending on your requirement, the main food may be suitable for you or a separate table will have food to suitable for you.

Please make yourself known to the catering staff who will assist or please see the Registration Desk for assistance.