




Sunday 29 June 2025

13.30	Bus Departs Auckland CBD	Auckland
14.30	Bus Departs Auckland International Airport	
PM	Own time to explore local activities Check out ideas and discounts HERE	Rotorua
15.00 – 19.00	Registration Open	Sir Howard Morrison Centre
17.30 – 19.00	Mihi Whakatau Welcome Reception	Sir Howard Morrison Centre

Monday 30 June 2025

08.00 – 18.30	Registration Open	Sir Howard Morrison Centre
08.30	Conference Opening Welcome from Rotorua Mayor Mayor Tania Tapsell Welcome from Conference Committee Sulo Shanmuganathan Daniel Moroder Andy Buchanan Welcome from Platinum Sponsor 	Haumoko Theatre
09.00	Keynote 1 <i>Daniel Moroder</i> Chair: Moustafa Al-Ani TIMBER BRIDGES IN AOTEAROA NEW ZEALAND – HONOURING THE PAST, SHAPING THE FUTURE	Haumoko Theatre
09.30	Keynote 2 <i>Steffen Franke</i> LONG-SPAN TIMBER HIGHWAY BRIDGES AS A CONTRIBUTION TO GLOBAL DECARBONIZATION	Haumoko Theatre
10.00	Coffee Break & Exhibition	Te Whakaruruhau Banquet Room
10.30 – 12.00	Technical Session 1 Chair: Henri Baillères Room: Haumoko Theatre	Theme
10.30	DURABILITY OF WOODEN BRIDGES: INSIGHTS FROM HISTORICAL SERVICE TEST DATA IN NEW ZEALAND <i>Tripti Singh</i>	Durability

10.52	EXTENDED DESIGN RULES TO IMPROVE THE DURABILITY OF TIMBER STRUCTURES <i>Roland Maderebner</i>	Durability
11.15	ADVANCED MONITORING TECHNIQUES FOR ASSESSING THE LONG-TERM PERFORMANCE OF TIMBER BRIDGES <i>Andreas Rödel</i>	Monitoring
11.37	131 M SPAN PEDESTRIAN BRIDGE: STRUCTURAL DESIGN, WIND TUNNEL TESTING AND VIBRATION CONTROL <i>Mario Suárez Álvarez</i>	Dynamics
12.00	Lunch & Exhibition	Te Whakaruru Hau Banquet Room
13.00	Keynote 3 <i>David Moses</i> Chair: Bettina Franke BREATHING NEW LIFE INTO TIMBER BRIDGE ENGINEERING IN CANADA	Haumoko Theatre
13.30	Technical Session 2 Chair: Andy Buchanan Room: Haumoko Theatre	Theme
13.30	DESIGN OF TIMBER BRIDGES IN EUROPE <i>Steffen Franke</i>	Bridge Design
13.52	DESIGN OF TIMBER BRIDGES IN FRANCE - NEW TECHNICAL GUIDE FROM THE ASSOCIATION OF CIVIL ENGINEERING <i>Valentina Bruno Hure</i>	Bridge Design
14.15	ANALYSIS OF THE COLLAPSE OF THE TIMBER BRIDGE OVER THE DURATÓN RIVER, IN PEÑAFIEL (SPAIN) <i>Alfonso Lozano</i>	Bridge Design
14.37	KAKANUI REPLACEMENT BRIDGE – ADVANCING TIMBER BRIDGES IN NEW ZEALAND <i>Anton Kivell</i>	Bridge Design
15.00	Coffee Break & Exhibition	Te Whakaruru Hau Banquet Room
15.30 – 17.00	Technical Session 3 Chair: Andy Van Houtte Room: Haumoko Theatre	Theme
	Technical Session 4 Chair: Jeremiah Shaw Room: Matatea	Theme
15.30	AGEING RESISTANCE OF BONDED JOINTS IN EXTERNAL GLUED LAMINATED TIMBER <i>Gary Raftery</i>	Durability
15.48	CLT DECKS FOR BRIDGE APPLICATIONS IN USA <i>Justin Dahlberg</i>	Decks
16.06	FIBER-OPTICAL SENSORS FOR STRUCTURAL ANALYSIS OF ATCC <i>Andreas Kirchner</i>	Decks
16.24	TIMBER MOISTURE CONTENT OF ATCC ROAD BRIDGE STRUCTURE <i>Johannes Koch</i>	Decks
	WOOD RELAXATION AND NAIL WITHDRAWAL <i>Yuhao Zhang</i>	Connections
	DOWEL-TYPE CONNECTION IN DURABLE HARDWOOD <i>Milad Lezgi</i>	Connections
	AUSTENITIC STAINLESS STEEL SCREWS IN TIMBER BRIDGES <i>Rodrigo Mendes & Ömer Şişman</i>	Connections
	MODULAR TIMBER ARCH BRIDGE FOR NZ <i>Oliver De Lautour & Moustafa Al-Ani</i>	Structural Design

16.42	STAUFFACHER BRIDGE, TIMBER-UHPC COMPOSITE STRUCTURE <i>Edgar Kälin</i>	Decks	RESTRAINT SYSTEM FOR VERTICALLY LAMINATED GLULAM GIRDERS <i>Michael Campbell</i>	Structural Design
17.00 – 18.30	Technical Session 5 Chair: Gang Yu Room: Haumoko Theatre	Theme	Technical Session 6 Chair: Oliver de Latour Room: Matatea	Theme
17.00	HYBRID TIMBER-STEEL BRIDGE FOR A LOW CARBON FUTURE <i>Royce Liu</i>	Sustainability	CLT TIMBER BRIDGES: EXPERIMENTAL AND NUMERICAL STUDY <i>Reza Masoudnia</i>	Construction
17.18	TIMBER BRIDGES FOR ECONOMIC GROWTH AND REDUCED CARBON <i>Liz Root</i>	Sustainability	NEW ZEALAND'S FIRST TIMBER HIGHWAY BRIDGE IN DECADES <i>Cameron Douglas</i>	Construction
17.36	LIFE CYCLE ASSESSMENT OF PEDESTRIAN AND CYCLE BRIDGES <i>Sven Steinbach & Christoph Kunde</i>	Sustainability	RAKAIA GORGE BRIDGE DECK REPLACEMENT AND STRENGTHENING <i>Andrew Bradfield</i>	Construction
17.54	LONGEVITY AND SERVICE LIFE OF TIMBER VEHICLE BRIDGES IN NZ <i>Hanshen Wang</i>	Durability	THARWA BRIDGE RESTORATION AND MAINTENANCE <i>Marcia Prelog</i>	Construction
18.12	FUNGAL DECAY AND CORROSION AT WOOD- METAL INTERFACE <i>Camilo Montoya</i>	Durability	ENGINEERED PLYWOOD PANELS FOR BRIDGE DECKS IN NZ <i>Jeremiah Shaw & John van Rij</i>	Construction
18.30	Own Time Recommended meeting point for evening socialising: Tutanekai Street - also known as 'Eat Street'			

Tuesday 1 July

08.00 – 18.00	Registration Open	
08.30 – 10.00	Technical Session 7 Room: Haumoko Theatre	Chair: Thomas Lim Theme
08.30	GLUED GLVL PANELS FOR A NEW TIMBER FOOTBRIDGE OVER THE BRUSSELS RING <i>Benoît Hargot</i>	Pedestrian Bridges
08.52	SUSTAINABLE SPANS - TIMBER'S ROLE IN NEW EUROPEAN PEDESTRIAN NETWORKS <i>Frank Miebach & Lukas Osterloff</i>	Pedestrian Bridges
09.15	BRIDGES IN SWITZERLAND - EXPERIENCE OF BRIDGES FOR PEDESTRIANS, TRAFFIC AND WILDLIFE CORRIDORS <i>Stefan Zöllig</i>	Pedestrian Bridges
09.37	PAPAKURA TO DRURY SHARED USE PATH TIMBER BRIDGE <i>Tony Pham</i>	Pedestrian Bridges

10.00	Coffee Break & Exhibition	Te Whakaruruhau Banquet Room
10.30	Keynote 4 <i>Ralph Belperio</i> Chair: Hugh Morris PAST, PRESENT AND FUTURE OF TIMBER BRIDGES IN AUSTRALIA	Haumoko Theatre
11.00 – 12.30	Technical Session 8 Chair: Anton Kivell Room: Haumoko Theatre	Theme
11.00	QUEENSLAND CASE STUDIES OF TIMBER RAILWAY OVERBRIDGE ASSESSMENT AND REPAIR <i>Dan Schneider & Daniel Anstice</i>	Rail Bridges
11.22	ASSET LIFE MANAGEMENT OF TIMBER RAILWAY BRIDGES <i>Evie Anderson</i>	Rail Bridges
11.45	EMERGENCY REPAIR OF TIMBER HOWE TRUSS BRIDGE AFTER VEHICLE STRIKE <i>Murray Johnson</i>	Repairs
12.07	THE REHABILITATION DESIGN OF THE WEST MONTROSE COVERED BRIDGE <i>Andrew Lehan</i>	Repairs
12.30 – 13.30	Lunch and Exhibition	Te Whakaruruhau Banquet Room
13.30 – 15.00	Technical Session 9 Chair: Gary Raftery Room: Haumoko Theatre	Theme
13.30	TIMBER CIRCULARITY: SUSTAINABLE WOOD RESOURCE MANAGEMENT IN AUSTRALIA <i>Tripti Singh</i>	Sustainability
13.48	TIMBER BRIDGE ASSET MANAGEMENT <i>Gang Yu</i>	Asset Management
14.06	DYNAMIC AND STATIC ANALYSIS OF A STEEL HINGE CONNECTION FOR AN ARCH BRIDGE <i>Jens Bergenudd</i>	Structural
14.24	PRE-FABRICATED STRESS LAMINATED TIMBER BRIDGE <i>Edwin Douglass</i>	Pre-Stressed Bridges
14.42	PRESTRESSING LOSSES IN TIMBER LOGGING BRIDGE <i>Andy Buchanan</i>	Pre-Stressed Bridges
15.00	Coffee Break & Exhibition	Te Whakaruruhau Banquet Room
15.30	Expert Panel Discussion Chair: Moustafa Al-Ani	Haumoko Theatre
17.00	Conference Closing Chair: Sulo Shanmuganathan	Haumoko Theatre
17.30	Bridge Testing Competition Chair: Thomas Lim	Entrance Foyer
19.00 – Late	Conference Dinner Sponsored by Rothoblaas NZ  Solutions for Building Technology	Te Whakaruruhau Banquet Room

Wednesday 2 July

08.30	Bus Departs from outside Sir Howard Morrison Centre	
09.00 – 10.30	Red Stag TimberLab CLT Factory Site Visit	Scion - Te Whare Nui o Tuteata Site Visit
10.45	Bus Departs from outside Sir Howard Morrison Centre	
11.00 – 12.30	Red Stag TimberLab CLT Factory Site Visit	Scion - Te Whare Nui o Tuteata Site Visit
12.30	Optional Lunch in Scion Café (at own cost) Redwoods Treewalk \$5 discount promocode: 2025TWTIMBER Redwoods Altitude Treewalk \$10 discount promocode: 2025ALTTIMBER	
13.30	Bus Departs from outside Scion Café to return to Sir Howard Morrison Centre	
14.00	Bus Departs from outside Sir Howard Morrison Centre including stops:	
16.00	Onetai Timber Bridge (weather dependent)	
18.00	Auckland Airport	
19.00	Auckland CBD	