

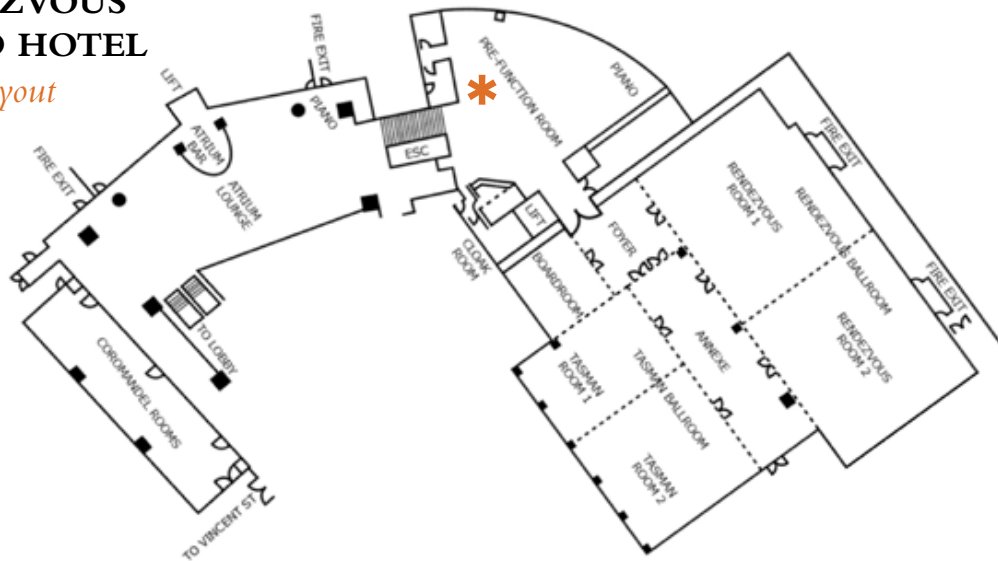
PROGRAMME *Wednesday 3rd September*

Subject to change at any time without notice

8.00	Registration Opens	
8.30	Pre-welcome and Housekeeping	
8.35	Welcome and Opening Comments	
8.45	Official Opening: Mayor Len Brown, Auckland Council	
9.00	Foundation Sponsor: Andrew Crisp, MBIE	
9.30	Plenary 1: Richard Blakeway, Deputy Mayor of London for Housing, Land and Property , (Sponsored by Auckland Council)	
10.30	MORNING TEA	
11.00	Plenary 2: Dr Helen Anderson, BRANZ	
11.20	Platinum Sponsor: Dave Burggraaf, Fletcher Window & Door Systems	
12.00	LUNCH	
	STREAM 1A · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2A · Tasman Room 2 <i>Industry Case Studies</i>
12.45	KEYNOTE SPEAKER Professor Diane Brand: The New Zealand Hydrotown, Lessons for Adaptability	KEYNOTE SPEAKER Jerome Partington: Living Building
1.30	Leila Mirza: Water Views: The Importance of Water on Urban Landscape Preference	Matthew Cutler-Welsh: The Role of a Residential Residential Rating Tool
1.55	Michael Donn: Comparison of New Zealand's Energy Efficiency Regulation and Verification Assumptions to Real Building Loads and Operation	Matt Wilson: How the iDEAL House Received an 8 HomeStar Rating
2.20	Alessandro Melis: Energy-Plus Downtown	Ben Jagersma: Beyond the First Light House: Prototype to Production
2.45	Carol Boyle: Integrating Green Infrastructure into the Built Environment	Chris Watson: Stupid Building Mistakes... or More Productivity in Building?
3.10	AFTERNOON TEA	
	STREAM 1B · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2B · Tasman Room 2 <i>Industry Case Studies</i>
3.40	Andre Nouri: A Framework of Thermal Sensitive Urban Design Benchmarks: Potentiating the Longevity of Auckland's Public Realm	Gleb Speranski: Ways to Achieve Thermal Efficiency in New Houses
4.05	Denise Bijoux: Measuring Neighbourhood Sustainability - a New Zealand Example	Andrew Walters: Leading by example. Promoting environmental sustainable design (ESD) leadership and innovation in the Auckland region
4.30	Matthew Cutler-Welsh: Sustainably Affordable Housing	Richard Popenhagen: Moisture Problems in Homes. Why is it Still Happening?
4.55	Natalie Allen: Trading Suburbia for an Urban Lifestyle: Understanding the Relationship Between Urban Amenities and Auckland's more Compact Future	Paula Hugens: Designing for Resilience: iDEAL House, Auckland
5.20	CLOSE	
5.30	Welcome Function (Sponsored by Mammoth Modern Insulation)	

RENDEZVOUS GRAND HOTEL

Room Layout



STREAM 3A · Tasman Room 1 <i>Achieving Better Buildings</i>		STREAM 4A · Coromandel Room <i>Productivity</i>	
12.45	KEYNOTE SPEAKER Jules Moloney: The Role of Design in Achieving Better Buildings		KEYNOTE SPEAKER Suzanne Wilkinson: Providing the New Zealand Construction Industry with Opportunities to Achieve Performance Improvements
1.30	Daniel Fuemana: Waste Not, Want Not: Education for Sustainability in the Construction Industry		Derek Thurnell: 5D BIM in a Consulting QS Environment
1.55	Mark Bassett: Weathertight Performance of Flashings for Taller Buildings		Zhang Jianchao: BIM-Based Energy Management for Smart Built Environments
2.20	Trish Shaw: Building Resilience		Nick Clements: Who are buildingSMART and What are We Doing?
2.45	Roman Jaques: New New Zealand Home Performance. Where are We?		Nick Clements: A Pathway to BIM Improving Residential Construction Productivity
3.10 AFTERNOON TEA		AFTERNOON TEA	
STREAM 3B · Tasman Room 1 <i>Achieving Better Buildings</i>		STREAM 4B · Coromandel Room <i>Productivity</i>	
3.40	Greg Overton: BRANZ'S WAVE Programme and the Challenges for Future Research in Building Moisture and Air Quality		Blake Hogarth: The Cost and Value of Carpentry Apprenticeships to Employers in Auckland
4.05	Stephan Rupp: Condensation in Large-cavity, Steel-framed Roof Spaces: Causes and Cures		Dermott McMeel: EDFAB Phase 2: Is a Digital Revolution Possible for Construction?
4.30	Robyn Phipps: Heater Choice and Mould Growth in New Zealand Homes: An Intervention Study		Mohammadeli Noktehdan: Driving Innovative Thinking in the New Zealand Construction Industry
4.55	Robyn Phipps: Indoor Winter Temperatures in 20 Social Housing Units and Auckland's More Compact Future		Mohammad Poshdar: Improvement of Productivity in Construction Projects Using a Lean-drive Scheduling Method
5.20 CLOSE			
5.30	Welcome Function (<i>Sponsored by Mammoth Modern Insulation</i>)		

PROGRAMME *Thursday 4th September*

8.00	Registration Opens	
8.25	Housekeeping	
8.30	Foundation Sponsor: Chelydra Percy, BRANZ	
9.00	Plenary 1: Tim Williams, Committee for Sydney , (Sponsored by GIB® Winstone Wallboards Ltd)	
9.50	Plenary 2: Stuart Niven : Urban Design	
10.30	MORNING TEA	
	STREAM 1C · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2C · Tasman Room 2 <i>Industry Case Studies</i>
11.00	KEYNOTE SPEAKER Harvey Perkins : Creating Better Cities and Communities: What kind of Research Agenda?	KEYNOTE SPEAKER George Baird : Users' Perception of Commercial and Institutional Buildings, Key findings and Issues for NZ
11.45	Vanessa McGrath : Improving the Energy Performance of Existing Office Buildings	Ruth Williams : Il Casino, Challenges and Consequences
12.10	Morten Gjerde : Aiming for a Better Public Realm: How Effective are Contemporary Design Review Methods	Shay Brazier : Understanding and Improving the Performance of New Zealand Homes: A Case Study from the Zero Energy House
12.35	LUNCH	
	STREAM 1D · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2D · Tasman Room 2 <i>Industry Case Studies</i>
1.20	Verney Ryan : If we Need Houses, Why do we Build Silos?	John Jamison : Productive Environments, Buildings that Work
1.45	Viv Heslop : Improving Sustainability Outcomes through Measurement, Reporting and Public Engagement in Waterfront Auckland's Smart Precinct	Sutjiadi Hendry : Lessons from Seismic Assessments in the Wellington Region
2.10	Jeremy Brown : Warming up New Zealand's Coldest Town, Ophir Central Otago	Min Hall : Is there a Place for Natural Building in New Zealand's Conventional Housing Market? A Prefabricated Straw Bale Case Study
2.35	Damon Birchfield and Mehrnaz Rohani : Shared Learnings from Auckland Council's Social Return on Investment (SROI) Evaluation of its Retrofit Your Home Programme	Edgar Agda : Alternative Building System of A7BS® Concrete Thin Plate with Permanent Cavity Formpanels, a Green Building Technology
3.00	AFTERNOON TEA	
	STREAM 1E · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2E · Tasman Room 2 <i>Industry Case Studies</i>
3.30	Verney Ryan : Breathing New Life into our Central Cities	Nick Collins : Post Quake Rebuild Provides Opportunity to Demonstrate Improved Performance of Steel Framed Houses, but Market Uptake is a Different Story
3.55	Min Hall : YIMFY, Yes! In My Front Yard. A Centre for Natural and Appropriate Building Technology	Katja Lietz : Small is Beautiful, Hobsonville Point Small Homes Test Lab
4.20	Damon Birchfield and Dr Philippa Howden-Chapman : Towards an Agreed Minimum Housing Performance Standard for Rentals, Results from New Zealand's First Warrant of Fitness Field Test	David Cossey : Filleting an Old Building Sustainably Whilst Keeping its Old Bones
4.45	CLOSE	
7.00	New Zealand Steel Conference Dinner: Rendezvous Ballroom	

10.30	MORNING TEA		
	STREAM 3C · Tasman Room 1 <i>Improving the Performance of Existing Buildings</i>	STREAM 4C · Coromandel Room <i>Productivity</i>	
11.00	KEYNOTE SPEAKER Peter Fehl: The University of Auckland's Newmarket Campus Development	KEYNOTE SPEAKER Andrew Reding: Accelerating the Introduction of BIM into New Zealand	
11.45	Andrew Pollard: Energy End-users in New Zealand's Non-residential Buildings	Ricardo Magno Santos Antunes: A Production Model for Construction. A Theoretical Framework	
12.10	Nick Marston: BRANZ House Condition Survey	Warren Parke: The Effects of the Boom Bust on National Construction Industry Performance	
12.35	LUNCH	LUNCH	
	STREAM 3D · Tasman Room 1 <i>Achieving Better Buildings</i>	STREAM 4D · Coromandel Room <i>Industry Workshop</i>	
1.20	Stephen McNeil: Developing a Technique for Calculating Moisture Removal Effectiveness in New Zealand Homes	Shaping the Building and Construction Research Agenda	
1.45	Yu Wang: Effects of Solar Collectors on Indoor Air Quality in Junior Classrooms in Winter 2013	Prue Williams: GM Science Investments. Challenges for Science and Research Investment Results of the 2014 Industry Needs Survey	
2.10	Lois Easton: Build Back Smarter. Case Studies of House Performance Retrofits at the Time of Earthquake Repairs	David Mustard: Results of the 2014 Industry Needs Survey	
2.35	Christina McKay: How Could New Zealanders Build Resources for the On-going Care of Their Heritage Housing?		
3.00	AFTERNOON TEA	AFTERNOON TEA	
	STREAM 3E · Tasman Room 1 <i>Achieving Better Buildings</i>	STREAM 4E · Coromandel Room <i>Industry Workshop</i>	
3.30	Geoff Thomas: Fire safety in New Zealand transient accommodation buildings	Shaping the Building and Construction Research Agenda continued	
3.55	Linda Zhao: Socio-economic Indicators and Building Costs. A NZ Trend and Correlation Analysis 2001-2013		
4.20	Manfredo Manfredini and Dr Paola Leardini: Energy Upgrade to Passive House Standard for Historic Public Housing in New Zealand		
4.45	CLOSE		
7.00	New Zealand Steel Conference Dinner: Rendezvous Ballroom		

PROGRAMME *Friday 5th September*

8.00	Registration Opens	
8.25	Housekeeping	
	STREAM 1F · Rendezvous Ballroom (Plenary Room) <i>Improving the Performance of Materials</i>	STREAM 2F · Tasman Room 2 <i>Meeting New Zealanders Housing Needs</i>
8.30	KEYNOTE SPEAKER Jake McLaren: Introducing the Australasian Environmental Product Declaration (EPD) program	KEYNOTE SPEAKER Mahi Paurini: The Maori Housing Strategy
9.15	Dave Dowdell and Chris Munn: Development of an Environmental Product Declarations (EPD) for Ready-mixed Concrete – An industry Perspective	Ralf Kessel: Building Better Apartments: Design Considerations for New Zealand
9.40	Nick Marston: Materials Performance Testing Methodologies	Sally Blackwell: Raising the Bar: Enabling Transitions Through More Effective Advice
10.05	MORNING TEA	MORNING TEA
	PLENARY SESSION	
10.35	PLENARY 1: Mike Underhill, EECA	
11.00	SPECIAL ANNOUCEMENT: Jake McLaren: The Australasian Environmental Product Declaration (EPD) program	
11.10	PLENARY 2: Johnny McFarlane: Christchurch's Cardboard Cathedral	
	STREAM 1G · Rendezvous Ballroom (Plenary Room) <i>Improving the Performance of Materials</i>	STREAM 2G · Tasman Room 2 <i>Meeting New Zealanders Housing Needs</i>
11.55	Philip Hartley: Material Performance: Past, Present and Future	Roger Birchmore: Impacts of Innovative Residential Construction Methods on Internal Conditions
12.20	John Burgess: Surface Coefficients for Glazing Systems in Construction	Guy Marriage: Pavlova Paradise and the Curse of the Side Yard
12.45	John Chapman: Integrating Cross-laminated Timber Panels to Construct Buildings to Twenty Levels	Emina Petrovic: The Importance of Educating the General Population on Health Risks Associated with Building and Furnishing Materials
1.10	SITE VISITS	LUNCH
	SITE VISITS: Leave at 1.20 pm - Arrive back at 5.00 pm	
	OPTION 1: Transforming Cities. Auckland Council is transforming New Lynn into a vibrant metropolitan town centre. Tim Sinclair will present on the projects that are happening	OPTION 2: Auckland Waterview Project: How to build a second harbour crossing without disturbing the neighbours. The group will meet one of the engineers at the Methuen and Herdman Avenue lookout points
5.00	RETURN TO VENUE	

STREAM 3F · Tasman Room 1 <i>Achieving Better Buildings</i>		STREAM 4F · Coromandel Room <i>Productivity</i>	
8.30	KEYNOTE SPEAKER Larry Bellamy: Development of Energy and Carbon Performance Metrics for Housing Design and Regulations	KEYNOTE SPEAKER Amanda Warren: A Model for Enhancing Drivers and Reducing Inhibitors of Productivity	
9.15	Tavis Cresswell-Wells: Urban Form and Passive Design for Net Zero Energy Buildings in the Christchurch Rebuild	Jaspar Mbachu: Security of Payments for Subcontractors in the New Zealand Construction Industry: Stakeholder Views on the Key Issues and Improvement Measures	
9.40	Eion Scott: The Effectiveness of In-home Advice on Increasing Sustainability	Wajiha Shazhad: Marginal Productivity Gained Through Prefabrication: Case Studies of Building Projects in Auckland	
10.05	MORNING TEA	MORNING TEA	
PLENARY SESSION			
10.35	PLENARY 1: Mike Underhill, CEO, EECA		
11.00	SPECIAL ANNOUNCEMENT: Jake McLaren: Introducing the Australasian Environmental Product Declaration (EPD) program		
11.10	PLENARY 2: Johnny McFarlane: Christchurch's Cardboard Cathedral		
STREAM 3G · Tasman Room 1 <i>Achieving Better Buildings</i>		STREAM 4G · Coromandel Room <i>Productivity</i>	
11.55	Alister Gardiner: Energy system design for an affordable autonomous solar PV-powered dwelling with seasonal energy storage	Jeff Seadon: Overcoming Barriers to Construction Productivity	
12.20	Geoff Thomas: Sustainable Building Features and Fire Safety	Amanda Warren: Lean Construction and Last Planner	
12.45	Daniel Scheibmair: Innovative Design Solutions with Timber	Sheila Belayutham: Enhancement of Pre-construction Stage Through Lean Thinking and its Impact on Environmental Performance	
1.10	SITE VISITS	LUNCH	
SITE VISITS: <i>Leave at 1.20 pm - Arrive back at 5.00 pm</i>			
	OPTION 1: Transforming Cities. Auckland Council is transforming New Lynn into a vibrant metropolitan town centre. Tim Sinclair will present on the projects that are happening	OPTION 2: Auckland Waterview Project: How to build a second harbour crossing without disturbing the neighbours. The group will meet one of the engineers at the Methuen and Herdman Avenue lookout points	
5.00	RETURN TO VENUE		