

PROGRAMME *Wednesday 3th September*

8.00	Registration Opens	
8.30	Pre-welcome and Housekeeping	
8.35	Welcome and Opening Comments	
8.45	Official Opening: <i>Mayor Len Brown, Auckland Council</i>	
9.00	Foundation Sponsor: <i>Andrew Crisp, MBIE</i>	
9.30	Plenary 1: (Sponsored by Auckland Council): <i>Richard Blakeway, Deputy Mayor of London for Housing, Land and Property</i>	
10.30	Platinum Sponsor: <i>Dave Burggraaf Product Development Manager - Fletcher Window & Door Systems</i>	
11.00	MORNING TEA	
11.30	Plenary 2: <i>Dr Helen Anderson, Chair BRANZ</i>	
12.00	LUNCH	
	STREAM 1 · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2 · Tasman Room 2 <i>Industry Case Studies</i>
12.45	KEYNOTE SPEAKER <i>Professor Diane Brand</i> : The New Zealand hydrotown, lessons for adaptability	KEYNOTE SPEAKER <i>Jerome Partington</i> : Living building
1.30	<i>Carol Boyle</i> : Integrating green infrastructure into the Built Environment	<i>Matthew Cutler-Welsh</i> : The role of a residential residential rating tool
1.55	<i>Michael Donn</i> : Comparison of New Zealand's energy efficiency regulation and verification assumptions to real building loads and operation	<i>Matt Wilson</i> : How the iDEAL house received an 8 HomeStar rating
2.20	<i>Alessandro Melis</i> : Energy-Plus Downtown	<i>Ben Jagersma</i> : Beyond the first light house: Prototype to production
2.45	<i>Leila Mirza</i> : Water Views: The importance of water on urban landscape preference	<i>Chris Watson</i> : Stupid building mistakes ... or more productivity in building?
3.10	AFTERNOON TEA	
3.40	<i>Andre Nouri</i> : A framework of thermal sensitive urban design benchmarks: Potentiating the longevity of Auckland's public realm	<i>Gleb Speranski</i> : Ways to achieve thermal efficiency in new houses
4.05	<i>Denise Bijoux</i> : Measuring neighbourhood sustainability - a New Zealand example	<i>Andrew Walters</i> : Leading by example. Promoting environmental sustainable design (ESD) leadership and innovation in the Auckland region
4.30	<i>Matthew Cutler-Welsh</i> : Sustainably affordable housing	<i>Richard Popenhagen</i> : Moisture problems in homes. Why is it Still Happening?
4.05	<i>Natalie Allen</i> : Trading suburbia for an urban lifestyle: Understanding the relationship between urban amenities and Auckland's more compact future	<i>Paula Hagens</i> : Designing for resilience: iDEAL House, Auckland
5.20	CLOSE	
5.30	Welcome Function	



STREAM 3 · Tasman Room 1 <i>Achieving Better Buildings</i>		STREAM 4 · 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: A pathway to BIM improving residential construction productivity
2.45	Roman Jaques: New New Zealand home performance. Where are we?		Nick Clements: Who are buildingSMART and what are we doing?
3.10	AFTERNOON TEA		AFTERNOON TEA
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
4.05	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		

PROGRAMME *Thursday 4th September*

8.00	Registration Opens	
8.25	Housekeeping	
8.30	Foundation Sponsor: BRANZ: Chelydra Percy	
9.00	Plenary 1 (<i>Sponsored by GIB® Winstone Wallboards Ltd</i>): Tim Williams : Committee for Sydney	
9.50	Plenary 2: Stuart Niven : Urban Design	
10.30	MORNING TEA	
	STREAM 1 · Rendezvous Ballroom (Plenary Room) <i>Building Better Cities and Communities</i>	STREAM 2 · Tasman Room 2 <i>Industry Case Studies</i>
11.00	KEYNOTE SPEAKER Harvey Perkins :	KEYNOTE SPEAKER George Baird : Users' perception of commercial and institutional buildings, key findings and issues for New Zealand
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	
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	
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 3 · Tasman Room 1 <i>Improving the Performance of Existing Buildings</i>	STREAM 4 · Coromandel Room <i>Productivity</i>
11.00	KEYNOTE SPEAKER Peter Fehl: The University of Auckland's Newmarket campus development	KEYNOTE SPEAKER Andrew Reding:
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
1.20	Stephen McNeil: Developing a technique for calculating moisture removal effectiveness in New Zealand homes	Industry Workshop: 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	
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
3.30	Achieving Better Buildings Geoff Thomas: Fire safety in New Zealand transient accommodation buildings	Industry Workshop: Shaping the Building and Construction Research Agenda continued
3.55	Linda Zhao: Socio-economic indicators and building costs. A New Zealand 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 1 · Rendezvous Ballroom (Plenary Room) <i>Improving the Performance of Materials</i>	STREAM 2 · 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: Maori Housing Aspirations
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	
	PLENARY SESSION	
10.35	PLENARY 1: Mike Underhill, CEO, EECA	
11.00	SPECIAL ANNOUCEMENT: Jake McLaren: Introducing the Australasian Environmental Product Declaration (EPD) program	
11.10	PLENARY 2: Johnny McFarlane: Christchurch's Cardboard Cathedral	
	STREAM 1 · Rendezvous Ballroom (Plenary Room) <i>Improving the Performance of Materials</i>	STREAM 2 · 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 (PAPER BAG LUNCH FOR ATTENDEES) / LUNCH	
	SITE VISITS: Leave at 1.20 pm – Arrive back at 5.00 pm	
	OPTION 1: Harvey Perkins: Transforming cities. Medium density 10 years on: New Lynn, Albany and Onehunga	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 3 · Tasman Room 1 <i>Achieving Better Buildings</i>		STREAM 4 · 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	Brian Berg: Simplifying and integrating embodied energy building assessment for early design phase assessment	Jaspar Mbachu: Security of payments for subcontractors in the New Zealand construction industry: Stakeholder views on the key issues and improvement measures	
9.40	Tavis Cresswell-Wells: Urban Form and Passive Design for Net Zero Energy Buildings in the Christchurch Rebuild	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 3 <i>Achieving Better Buildings</i>		STREAM 4 <i>Productivity</i>	
11.55	Geoff Thomas: Sustainable Building Features and Fire Safety	Jeff Seadon: Overcoming barriers to construction productivity	
12.20	Alister Gardiner: Energy system design for an affordable autonomous solar PV-powered dwelling with seasonal energy storage	Amanda Warren: Lean construction and last planner	
12.45	Eion Scott: The effectiveness of in-home advice on increasing sustainability	Sheila Belayutham: Enhancement of pre-construction stage through lean thinking and its impact on environmental performance	
1.10	SITE VISITS (PAPER BAG LUNCH FOR ATTENDEES) / LUNCH		
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5.00	RETURN TO VENUE		



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