

SESOC Conference 2019 - Icebreaker Function Sunday 18 August 2019			
Time		SkyCity Convention Centre	
17.00-18.00	Registration		
18.00-19.30	Icebreaker- Meet and Greet		
SESOC Conference 2019 - Day 1 - 19 August 2019			
Time		Session	
8.00 - 9.00		Registration/Coffee/Light Breakfast	
9.00 - 9.10		Carl Ashby - 'Conference Welcome'	
9.10 - 9.20		SESOC President Address' – Hamish McKenzie	
9.20 - 10.20		Opening Kenote Address - 10 Things about the Industry <i>Des Bull - Holmes Consulting / Alistair Cattanach - Dunning Thornton Consultants Ltd</i>	
10.20 - 10.45		Morning Tea	
10.45 - 12.30	Session 1A - Seismic Retrofit Chair: Namir Amso	Session 1B - Industry Topics Chair: Jaden Whirinui	10.45 - 12.30 Session 1C ESE Lessons Learned Chair: Laura Schwass
10.45 - 11.10	Taranaki Cathedral, Church of St Mary Seismic Retrofit, New Plymouth <i>Panos Aramos - Holmes Consulting</i>	The Emergence of Elevated Post Tensioned (EPT) Buildings in New Zealand - Design and Construction Considerations in the NZ Context <i>Paul Wymer - BBR Contech</i>	10.45 - 11.00 Learning on the Job - Detailed Seismic Assessments and Seismic Strengthening <i>David Tisdall - Beca Ltd</i>
11.10 - 11.35	Seismic Strengthening of Wellington East Girls' College Main Block - Cat 1 Heritage Building <i>Carl Ashby - WSP Opus Ltd</i>	Fixing a Leaning Bridge – Lessons from the Kaikoura Earthquake and a Challenge <i>Zeinab Chegini - WSP Opus</i>	11.00 - 11.15 Proactive Decision Making as a Graduate Engineer <i>Michael Simcock - Calibre Consulting Ltd</i>
11.35 - 12.00	ReCast Floors - Progress Towards Retrofit of Precast Floors <i>Nicolas Brooke - CompuSoft Engineering Ltd</i>	Understanding Construction Methodology <i>Damian McBride - Robert Bird</i>	11.15 - 11.30 The Workings of a Project Team - The Seismic Strengthening of the Former Chief Post Office Building, Christchurch <i>Charlotte Corston - Batchelar McDougall Consulting</i>
12.00 - 12.25	URM Seismic Retrofitting - A Different Perspective <i>Marta Giaretton - University of Auckland</i>	SESOC Software Overview <i>Geoff Bird - Beca</i>	11.30 - 11.45 Lessons Learnt During the Design and Construction of Two Residential Developments <i>Jess Orpwood - WSP Opus</i>
			11.45 - 12.00 Design and Construction of the Wellington Airport Hotel Building <i>Michael Geddes - WSP Opus</i>
			12.00 - 12.15 Rankine Brown Earthquake Repairs - 50 African Elephants and Large Cracks in the Capital <i>Levi Grady - Beca Structural</i>
12.30 - 13.30	Lunch		
13:30 - 14:30	Challenging our Views of Seismic Risk – Are our established practise still fit for purpose? <i>John Hare - Holmes Consulting</i> Chair: Jason Ingham		
Lightening Talks - Hosted By Jason Ingham 9 presenters 60 minutes			
14.30 - 15.30	This One Weird Trick Will Revolutionise How You Design BRBs <i>Laura Whitehurst - Holmes Consulting, Wellington</i>	What's the big idea? Why art school is good training for an engineer <i>Hamish Tocher - University of Auckland</i>	Will Geopolymers Replace OPC Based Concrete <i>Mark W. Kurtovich – BBR Contech</i>
	Engineers need heroes too <i>George Gregory – Cheshire Architects</i>	What are the odds that engineers will begin communicating seismic risk appropriately? <i>Tim Sullivan - University of Canterbury</i>	You've been novated to a D&C Contractor! Tip on Serving two masters <i>Rob Harris – Greenwood Roche</i>
	Unforeseen Complications: Earthquake-Prone Buildings that are not being profiled <i>Patrick Cummskey - Auckland Council</i>	Should you hire a PhD student? Here are the honest pros and cons <i>Francisco (Paco) Galvez - University of Auckland</i>	Better learning from mistakes <i>Gordon Hughes – G A Hughes</i>
15.30 - 16.00	Questions Afternoon Tea		
16:00 - 17:30	Session 2 - Equity & Inclusion Chair: Charlotte Toma		
16.00 - 16:30	Diversity and Inclusion – The Why What and When <i>Graeme Fletcher - AECOM</i>		
16.30 - 17.00	Structural Engineering Engagement and Equity in the United States: Findings from US Nationwide Studies of Structural Engineers <i>Dani Paxson – Holmes Consulting</i>		
17.00 - 17:30	Discussion Panel <i>Graeme Fletcher – AECOM / Dani Paxson – Holmes Consulting / Michelle Grant – LGE Consulting / Lauren Joyce – Precinct Properties / Tania Williams – Engineering NZ</i>		
17.30	Day 1 Close		
17.30 - 18.00	SE3 Launch		
18.00 - 19.00	Pre-dinner Drinks and Networking		
19.00 - Late	Conference Dinner		

SESOC Conference 2019 - Day 2 - 20 August 2019			
Time	Session		
8.00 - 9.00	Coffee/Light Breakfast		
9.00 - 9.05	Day 2 Welcome		
9.05 - 10.05	The Professional Challenges of Rapid Change – How recent events have shaped the discussion <i>Paul Campbell - WSP Opus</i> Chair: Carl Ashby		
10.05 - 10.30	Methodologies to Assess and Quantify Earthquake Damage: A Damage Assessment Case Study of the BNZ Building in Wellington Following the 2016 Kaikoura Earthquake <i>Umair Siddiqui - WSP Opus</i>		
10.30 - 11.00	Morning Tea		
11.00 - 12.30	Session 3A Seismic Analysis Chair: Carl Ashby	Session 3B Structural Steel Chair: Michelle Grant	Session 3C Structural Analysis Chair: Quincy Ma
11.00 - 11.25	Response of BNZ Building in Wellington to the 2016 Kaikoura Earthquake - Findings from Observations, Instrumented Records and Numerical Simulation <i>Will Parker - WSP Opus</i>	Engineers Risk Mitigation - Key Elements to Managing the Compliance of Fabricated Structural Steel <i>Kevin Cowie - Steel Construction NZ Inc</i>	Wellington Electricity Resilience Project: A Structural and Geotechnical Approach for Three Representative Sub-stations <i>Arno Percival - Jacobs</i>
11.25 - 11.50	Reviewing Expected Margins to Collapse in the Assessment of Existing Buildings in NZ <i>Andrew Thompson - Holmes Consulting LP</i>	Experimental Testing Results of Commercially Available Buckling Restrained Braces <i>Dan Court-Patience - University of Canterbury</i>	University of Canterbury Students' Association Building – A Case Study for Design of a Geometrically Complex Building <i>Will Parker - WSP Opus</i>
11.50 - 12.15	Simplified Peak Floor Acceleration Estimation for Existing Buildings: A Response History Based Approach <i>Arun Puthanpurayil - Beca</i>	Structural Fire Design of Concrete Filled Steel Tubular Columns and a Proposal of a new method to AS/NZS 2327 <i>Kingsley Ukanawa - Aurecon</i>	Technical Challenges Involved in Structural Design & Construction of Dixon Street Underground Pump Station in Wellington <i>Mehdi Nikhah - GHD Ltd</i>
12.15 - 12.40		The Resilient Slip Friction Joint (RSFJ) Technology: Recent Developments and Completed Projects <i>Ashkan Hashemi - University of Auckland</i>	Lessons Learned from the Automation of Seismic Assessment of Unreinforced Masonry Buildings <i>Benjamin Westeneng - Beca Ltd</i>
12.40 - 13.30	Lunch		
13.30 - 14.10	<i>Melissa Clark-Reynolds</i> Chair: Hamish McKenzie		
14.10 - 15.25	Session 4 A Chair: Hamish McKenzie	Session 4 B Chair: Stewart Hobbs	
14.10 - 14.35	Seismic Strengthening and Uplift of the 1904 Wellington Town Hall <i>Laura Whitehurst - Holmes Consulting</i>	Performance of Partial Penetration Welds in Seismic Moment Connection <i>Hafez Taheri - University of Auckland</i>	
14.35 - 15.00	Integrating Engineering Systems for Design Documentation <i>Ewan Opie - Holmes Consulting</i>	Practical uses of FRP Anchors in New Zealand <i>Enrique del Rey Castillo - University of Auckland</i>	
15.00 - 15.25	Trends and Observations from Regulatory Reviews in Wellington <i>Stanley Chung - WSP Opus</i>		
15.25 - 15.55	Afternoon Tea		
15:55 - 16:25	Perry Bridge, Waikato - Designing New Zealand's Longest Span Network Arch <i>Tim Brook - Holmes Consulting</i>		Chair: Hamish McKenzie
16.25 - 16:55	Structural Design - Challenges, Obligations and Responsibilities <i>Helen Ferner</i>		
16.55 - 17.15	Innovative Seismic Upgrade Programmes for US Naval Hospitals and Medical Facilities – Case Studies SEAOC Representative: Jennifer Ciofolo – Reid Middleton USA		
17.15 - 17.30	Conference Close		