

Friday 6 November 2015

8.00 – 8.30am	Registration Level 2, The Menzies Hotel, 14 Carrington Street, Sydney
8.30 – 8.45am	President's Welcome <i>Prof Paul Somerville, President Australian Earthquake Engineering Society</i> AUSTRALIA BALLROOM
8.45 – 9.30am	Keynote Session – Earthquake Engineering Ground motion selection for performance-based engineering, and the Conditional Mean Spectrum as a selection tool <i>Jack Baker, Stanford University</i> AUSTRALIA BALLROOM Session Chair: <i>Paul Somerville</i>
9.30 – 10.50am	Plenary Session – Earthquake Hazards & Demands Strong ground motions from the 2010-2011 Canterbury earthquakes and the predictive capability of empirical and physics-based simulation models Brendon Bradley, University of Canterbury, Christchurch, New Zealand Earthquake Hazard in the Southwest Pacific Region Gary Gibson, Seismology Research Centre Tsunami Hazards of the Pacific Rim Hong Kie Thio, AECOM, Los Angeles, California, USA Ground deformation and proposed mitigation during 2011 gigantic earthquake in Japan Ikuo Towhata, Japanese Geotechnical Society, Tokyo, Japan AUSTRALIA BALLROOM Session Chair: <i>Paul Somerville</i>
10.50 – 11.25am	Morning Tea and Posters

					CONCURRENT SESSION 1				
		AUSTRALIA A – Level 2		AUSTRALIA B – Level 2		LAUNCESTON ROOM – Lower Ground		HOBART ROOM – Lower Ground	
		Earthquake Engineering 1A Regions of Low to Moderate Seismicity		Earthquake Engineering 1B Performance and/or Displacement Based Design & Assessment		Earthquake Engineering 1C Bridges		Geohazards 1D Geotechnical	
11.30am – 1.30pm	Convenors: Helen Goldsworthy/Nelson Lam Chair: Nelson Lam		Convenor: Tim Sullivan Chair: Tim Sullivan/Donatello Cardone		Convenor: Hong Hao Chair: Hong Hao		Convenor: Liam Wotherspoon Chair: Liam Wotherspoon		
	Recommended Site Classification Scheme and Design Spectrum Model for Regions of Low-to-Moderate Seismicity Hing-Ho Tsang		Performance vs Resilience-based Earthquake Design for Low and Medium-rise RC Buildings Seyed Saeed Mahini		Seismic response of rocking bridge bents with parameterized flag-shaped hysteretic behaviour Ilias Dimitrakopoulos		Overview of Screening Criteria for Liquefaction Triggering Susceptibility Russell Green		
	Draft National Annex to Eurocode 8 for Malaysia & cost implication for residential buildings with thin size elements M C Hee		Application of a Proposed Methodology on Performance-Based Assessment to a Reinforced Concrete Heritage Buildings in the Philippines Marabelle del Prado		Analysis of Covariance to Capture the Importance of Bridge Attributes on the Probabilistic Seismic Demand Model Sujith Mangalathu		A resilient shallow foundation system in coastal zone with liquefaction and lateral spreading potential Robert Kamuhangire		
	Performance of Limited Ductility Reinforced Concrete Walls in Low to Moderate Seismicity Regions Mehair Yacoubian		Assessing simplified expressions for the deformation capacity of RC walls Timothy Sullivan		Measurement of seismically induced pressure at the foundation-soil interface of a model bridge pier with plastic hinge development Yuanzhi Chen		A Feasibility Study of Dewatering and Recovering as a Liquefaction Countermeasure for Existing Residential Areas Shoichi Nakai		
	Seismic analysis in the low to moderate seismicity region of Malaysia based on the draft design handbook Daniel Ting-Wee Looi		Performance-based seismic assessment of shape memory alloy reinforced bridge pier considering combined peak and residual deformations Bipin Shrestha		Seismic Performance of an Isolated Bridge in the 2011 off the Pacific Coast of Tohoku earthquake Gaku Shoji		The Effect of Irregular Pre-liquefaction Loading and Particle Angularity on Post-liquefaction Response Wing Shun Kwan		
	Seismic Performance of Non-Ductile Reinforced Concrete Frames Subjected to Vertical Ground Motion Pathmanathan Rajeev		Displacement-based seismic assessment of reinforced concrete bridges Donatello Cardone		Large-scale testing of low-damage superstructure connections in precast bridges Zeinab Chegini		Investigation of Sand-Tire Mixtures as Liquefaction Remedial Measure Yuan Hong		
	Torsional Displacement for Asymmetric Low-Rise Buildings with RC C-shaped Cores Ryan Hoult		Displacement based assessment and improvement of a typical New Zealand building by an average Engineer Michelle Grant		Variation in modal parameters of bridges due to soil-structure interaction and pier inelasticity Muhammad Tariq Chaudhary		Influence of Post-Liquefaction Strain-Potential Estimation on the Accuracy of Liquefaction Severity Number (LSN) Hazard Assessments Brett Maurer		
	Evaluation of the Seismic Load Level in Korea based on Global Earthquake Records Han Seon Lee		Risk-targeted force-based design and performance check by means of nonlinear analysis Jure Zizmond/Matjaz Dolsek		Seismic vulnerability of Multi-span bridges: An analytical perspective Jiqing Jiang & Sujith Mangalathu		Study on the seismic response of a buried segmented pipeline crossing the fault Aiwen Liu		
	Mitigation of seismic hazard in Australia by improving the robustness of buildings Helen Goldsworthy & Peter McBean				Seismic assessment of CAMANAVA transportation lifelines using fragility analysis Michael Bautista Baylon				

1.30 – 2.25pm	Lunch			
2.30 – 4.00pm	CONCURRENT SESSION 2			
	AUSTRALIA A	AUSTRALIA B	LAUNCESTON ROOM	HOBART ROOM
	Earthquake Engineering 2A Regions of Low to Moderate Seismicity	Earthquake Engineering 2B Base Isolation & Energy Dissipation	Earthquake Engineering 2C Steel & Composite Construction – Steel	Geohazards 2D Geotechnical and Faulting
	Convenors: Helen Goldsworthy/Nelson Lam Chair: Helen Goldsworthy	Convenor: Barry Davidson & David Whittaker Chair: Barry Davidson	Convenor: Emad Gad Chair: Emad Gad	Convenor: Nawawi Chouw Chair: Nawawi Chouw
	<p>Local strain of reinforcement and tension stiffening in reinforced concrete walls Scott Menegon</p> <p>Modelling non-ductile reinforced concrete beam-column joints Anita Amirsardari</p> <p>Seismic displacements and ductility demand of tall reinforced concrete shear walls located in eastern Canada Sanda Koboevic</p> <p>University of Otago Dental School: Low-damage design for moderate seismicity Craig Muir</p> <p>Seismic performance for a low-rise irregular building with soft-weak story Eun-Rim Baek</p>	<p>Seismic performance comparison of linear and nonlinear viscous dampers in base-isolated buildings Cenk Alhan</p> <p>Seismic loss optimization of nonlinear moment frames retrofitted with viscous dampers Arun Puthanpurayil</p> <p>Experimental study on seismic performance of mechanical/electrical equipment with vibration isolation systems Shiang-Jung Wang</p> <p>Seismic response control of buildings using mechanical linkages with passive dampers Yuji Miyazu</p> <p>Experimentation with tension-only devices for use with seismic energy dissipation systems Geoff Rodgers</p>	<p>A Comparison of Ductility Demands on Buckling-Restrained Braces resulting from Elastic Analysis and Nonlinear Dynamic Analysis Brandt Saxey</p> <p>The development of a compression-free energy dissipative brace Punchet Thammarak</p> <p>Recent Developments on the Sliding Hinge Joint Shahab Ramhormozian</p> <p>Limiting Slenderness Ratio for Hollow Square Braces in Special Concentric Braced Frames Ashwin Kumar</p> <p>Residual Drift Mitigation in Concentrically Braced Frames using Hybrid Braces Muhamed Safeer Pandikkadavath</p> <p>Study on the in-elastic performance of mid-span gusset plate used in concentrically braced frames Ashwin Kumar</p>	<p>Elastic Shear Modulus Of A Crushable Engineered Sand: A Laboratory Study Using Advanced Techniques Huan He</p> <p>Influence of liquefaction and SFSI on structural responses Gonzalo Barrios</p> <p>A parametric study of nonlinear soil-structure interaction effects on structural response in far-field earthquakes Tongyue Zhang</p> <p>Correlation between RC fiber section model and shallow foundation model Suchart Limkatanyu</p> <p>Near fault effects on near fault ground motion on soil amplification and liquefaction Minly So</p> <p>Applications of probabilistic ground deformation hazard Hong Kie Thio</p>

4.00pm – 4.25pm	Afternoon Tea			
	CONCURRENT SESSION 3			
	AUSTRALIA A	AUSTRALIA B	LAUNCESTON ROOM	HOBART ROOM
	Earthquake Engineering 3A Unreinforced Masonry	Earthquake Engineering 3B Base Isolation & Energy Dissipation	Earthquake Engineering 3C Steel and Composite Construction – Composite	Geohazards 3D Tectonics and Faulting
4.30pm – 6.00pm	Convenor: Jason Ingham/Mike Griffith Chair: Jason Ingham	Convenor: Barry Davidson/David Whittaker Chair: David Whittaker	Convenor: Stephen Hicks Chair: Stephen Hicks	Convenors: Dan Clark & Mark Edwards Co-Chairs: Dan Clark & Mark Edwards
	<p>Experimental pushover testing of a full-scale unreinforced clay brick masonry building Lucas Hogan</p> <p>A comparison of numerically and experimentally obtained in-plane response of a full-scale unreinforced masonry wall Arash Pir</p> <p>Seismic Assessment of a URM Building and Effect of Floor Diaphragm Stiffness Enrique del Rey Castillo</p> <p>Estimating the accuracy of single-mode pushover analysis for unreinforced masonry buildings with flexible diaphragms Yasuto Nakamura</p> <p>Cyclic in-plane shear testing of unreinforced masonry walls with openings Clive Allen</p>	<p>Aspects of Design for the Base Isolated Christchurch Justice and Emergency Services Precinct Didier Pettinga</p> <p>Seismic and Financial Performance of fluid viscous dampers relative to BRBs: A Case Study Andrew Brown</p> <p>Inelastic Deformation Demands of Non-Ductile Reinforced Concrete Frames Strengthened with Buckling-Restrained Braces Sutat Leelataviwat</p> <p>Performance Study of Seismic Bracing Systems of Suspended Ceilings Wei-Chung Chen</p> <p>Fully-Floating Suspended Ceiling System: Experimental Evaluation of Structural Feasibility & Challenges Atefeh Pourali</p>	<p>Finite element analysis of beam-CFST column connections using replaceable buckling restrained fuses (RBRFs) as energy dissipation device Yusak Oktavianus</p> <p>Numerical and Experimental Behaviour of Moment Resisting Connections using Blind Bolts within CFST columns Tilak Pokharel</p> <p>Experimental research on reduced beam section to concrete-filled steel tubular column joints with RC slab Rui Li</p> <p>Seismic Performance of Steel Reinforced Concrete Composite Columns Wael Hassan</p>	<p>Recognising intraplate seismogenic faults and associated seismic hazard: examples from Western Australia Beatriz Estrada</p> <p>A new model for active intraplate tectonics in Western Australia James Hengesh</p> <p>Characterization of seismic sources within western Australia's newly reactivated transform margin James Hengesh</p> <p>Do Australian intraplate faults generate characteristic earthquakes? Dan Clark</p> <p>Issues for Seismic Hazard Analysis in Regions of Low to Moderate Seismic Activity Paul Somerville</p>
7.30pm – 10.30pm	Welcome Reception MV Epicure			
	A Map and Full Details will be provided at registration			

Saturday 7 November 2015

8.00 – 8.15am	Registration Foyer
8.15 – 9.00am	<p style="text-align: center;">Keynote Session</p> <p style="text-align: center;">Lessons from Recent Earthquakes and New Initiatives toward More Resilient Society – A Japanese View Masayoshi Nakashima, Disaster Prevention Research Institute, Kyoto University, Japan Council for Science, Technology and Innovation (CSTI), SIP “Enhancement of societal resiliency against natural disasters, Japan</p> <p style="text-align: center;">AUSTRALIA BALLROOM</p> <p style="text-align: center;">Session Chair: <i>Hong Hao</i></p>
9.00 – 10.30am	<p style="text-align: center;">Plenary Session – Earthquake Engineering</p> <p style="text-align: center;">Tribute to Nigel Priestley 9.00 – 9.10am Helen Goldsworthy & Tim Sullivan</p> <p style="text-align: center;">Motives for and impediments facing Direct Displacement-Based Seismic Design Timothy Sullivan, Dept of Civil Engineering & Architecture, University of Pavia, Italy; EUCENTRE, Pavia, Italy</p> <p style="text-align: center;">Retrofit in Practice: Structural / Architectural Considerations Alistair Cattanach, Dunning Thornton Consultants, Wellington, New Zealand</p> <p style="text-align: center;">The 2010 Chile Earthquake: a five-year reflection Juan C. de la Llera, Dept of Structural & Geotechnical Engineering & National Research Center for Integrated Natural Disaster Management, Pontificia Universidad Catolica de Chile, Santiago, Chile</p> <p style="text-align: center;">Nepal Revisited Richard Sharpe, BECA, Wellington, New Zealand</p> <p style="text-align: center;">AUSTRALIA BALLROOM</p> <p style="text-align: center;">Session Chair: <i>Hong Hao</i></p>
10.30 – 11.00am	Morning Tea
11.00 – 12.25pm	Poster Session

CONCURRENT SESSION 4				
12.30pm – 1.30pm	AUSTRALIA A	AUSTRALIA B	LAUNCESTON ROOM	HOBART ROOM
	Earthquake Engineering 4A Unreinforced Masonry	Earthquake Engineering 4B Innovative Analytical & Experimental Techniques	Earthquake Engineering 4C Risk Assessment	Geohazards 4D Hazards
	Convenor: Jason Ingham/Mike Griffith Chair: Mike Griffith	Convenor: Greg MacRae Chair: John Wilson	Convenor: Mark Edwards Chair: Mark Edwards	Convenor: Kevin McCue Chair: Kevin McCue
	<p>Influence of spandrel modelling on the seismic assessment of existing masonry buildings Serena Cattari</p> <p>Seismic assessment of plan irregular masonry buildings with flexible diaphragms Sergio Lagomarsino</p> <p>Dynamic behaviour of seismically retrofitted clay brick masonry cavity walls Marta Giaretton</p> <p>Performance of as-built and retrofitted URM parapets during the 2010/2011 Canterbury earthquakes Dmytro Dizhur</p>	<p>Evaluation of Tsunami Loading Based on Collapse Load of Structures Toshikazu Kabeyasawa</p> <p>Mixed-Mode Hybrid Simulation of Large-Scale Structures through Multi-Axis Substructure (MAST) Testing System Javad Hashemi</p> <p>Determination and validation of input parameters for detailed micro-modelling of partially grouted reinforced masonry walls Oriol Arnau</p>	<p>Building Post-Earthquake Business Resilience Through Geotechnical Design: A Christchurch Case Study Dominic Mahoney</p> <p>What drives seismic risk in New Zealand? Insights from a next-generation loss model Nick Horspool</p> <p>Modeling earthquake hazard and risk in Australia and New Zealand Valentina Koschatzky</p> <p>Development of an exposure model of residential structures for Chile Hernán Santa María</p>	<p>The New Zealand National Seismic Hazard Model: Rethinking PSHA Matt Gerstenberger</p> <p>The seismic hazard model for Canada: Past, present and future Trevor Allen</p> <p>The seismic hazard of Australia - a venture into an uncertain future Andreas Schaefer</p> <p>Earthquake Performance of Structures in Bohol: A Post-Event Assessment of the M7.2 October 2013 Bohol Philippines Earthquake Muriel Naguit</p>
	1.30 – 2.25pm	Lunch		

CONCURRENT SESSION 5				
	AUSTRALIA A	AUSTRALIA B	LAUNCESTON ROOM	HOBART ROOM
	Earthquake Engineering 5A Non-Structural Elements - Pipes and Cables	Earthquake Engineering 5B Innovative Analytical & Experimental Techniques	Earthquake Engineering 5C Risk Assessment	Geohazards 5D Hazards
	Convenor: Rajesh Dhakal Chair: Rajesh Dhakal	Convenor: Greg MacRae Chair: Tim Sullivan	Convenor: Mark Edwards Chair: Mark Edwards	Convenor: Mark Leonard Chair: Mark Leonard
2.30 – 4.00pm	<p>Numerical simulation on the effectiveness of using pipe-in-pipe system to mitigate seismic induced vibration of subsea pipelines (CHECK TITLE) Kaiming Bi</p> <p>Seismic performance of underground pipes during the Canterbury earthquake sequence Andrew Sherson</p> <p>Vulnerability analysis of water distribution pipes based on the damage dataset compiled for Sendai City after the 2011 off the Pacific coast of Tohoku Earthquake Yoshihisa Maruyama</p> <p>Damage Assessment of Steel Pipe Elbow under Cyclic Loading Ehsan Salimi Firoozabad</p>	<p>A novel time continuous p-Galerkin (TCG) scheme with 2p-order accuracy for linear elasto-dynamics Junjie Xu</p> <p>Identification of interacting force at the interface between primary-secondary structures Ellys Lim</p> <p>Analysis of low cycle fatigue effects on structures due to the 2010-2011 Canterbury Earthquake Sequence Geoffrey Rodgers</p> <p>Shaking Table Tests on Soil-Structure System to Determine Lateral Seismic Response of Buildings Hamid Reza Tabatabaiefar</p>	<p>Identifying masonry buildings under high seismic risk Baris Binici</p> <p>Seismic Risk Assessment of Collapsed Buildings with Different Approaches F. Gulden Gulay</p> <p>A component level approach to the earthquake vulnerability of critical infrastructure facilities Maruf Rahman</p> <p>A refinement to earthquake vulnerability models implemented in the EQRM: correcting underestimation of the damage probability for non-structural acceleration-sensitive components Hyeuk Ryu</p> <p>A <u>tail</u> of eight cities: earthquake scenario risk assessment for major Australian cities James Daniell</p> <p>A risk-targeted Regional Earthquake Model for South-East Asia Joechen Woessner</p>	<p>PSHAe (Probabilistic Seismic Hazard Analysis enhanced): the case of Istanbul Marco Stupazzini</p> <p>Results of probabilistic seismic hazard analysis assuming uniform distribution of seismicity Nelson Lam</p> <p>Earthquake Hazard Analysis of Active Neotectonic Faults: A Case Study in Victoria & New South Wales Russell Cuthbertson</p> <p>Comparing the Activity of Earthquake Zones in Southeastern Australia Kevin McCue</p> <p>A review of aftershock data from the ML 5.0 Kalgoorlie event, April 2010 Vic Dent</p> <p>Australian Seismometers in Schools Michelle Salmon</p>
4.00 – 4.30pm	Afternoon Tea			
4.30 – 6.00pm	AEES Annual General Meeting <i>(AEES Members only)</i>			
7.00pm – 11.00pm	Conference Dinner Maritime Museum, Darling Harbour			
A Map and full details will be provide at Registration				

Sunday 8 November 2015

8.00 – 8.15am	Registration Foyer
8.15 – 9.00am	<p style="text-align: center;">Keynote Session Post-Earthquake Assessment and Repairability of RC Buildings: Lessons from Canterbury and Emerging Challenges <i>Ken Elwood, University of Auckland</i></p> <p style="text-align: center;">AUSTRALIA BALLROOM</p> <p style="text-align: center;">Session Chair: <i>Quincy Ma</i></p>
9.00 – 10.10am	<p style="text-align: center;">Plenary Session – Earthquake Policy – Codes, Mitigation, Response, Recovery</p> <p style="text-align: center;">Recovery and Resilience: an Engineering Perspective Mary Comerio, EERI, University of California, Berkeley, USA</p> <p style="text-align: center;">Keeping Earthquake Engineering Objectives in Perspective: A 2020 View Dave Brunsdon, Kestrel Group</p> <p style="text-align: center;">Hazard Identification and Behaviour of Reinforced Concrete Framed Buildings in Regions of Lower Seismicity John Wilson, Swinburne University of Technology, Hawthorn, Victoria, Australia</p> <p style="text-align: center;">AUSTRALIA BALLROOM</p> <p style="text-align: center;">Session Chair: <i>Quincy Ma</i></p>
10.10 – 11.00am	<p style="text-align: center;">Morning Tea and Posters</p>

CONCURRENT SESSION 6			
	AUSTRALIA BALLROOM	LAUNCESTON ROOM	HOBART ROOM
	Earthquake Engineering 6A Reinforced Concrete – RC Frames	Earthquake Engineering 6B Damage Assessment and Monitoring of Structures	Geohazards 6C Ground Motions
11.00 – 1.00pm	Convenor: Hing-Ho Tsang Chair: Hing-Ho Tsang	Convenors: Ken Elwood, Quincy Ma, James Daniell Chair: Quincy Ma/James Daniell	Convenor: Brendon Bradley/Trevor Allen Chair: Brendon Bradley/Trevor Allen
	<p>Calculation of Strength Hierarchy at Reinforced Concrete Beam-Column Joints of Buildings Ali Sahin Tasligedik</p> <p>Seismic behaviour of HSC beam-column joints with high-yield strength steel reinforcement Pooya Alae</p> <p>Effect of Shear Reinforcement on Seismic Performance of RC Beam-Column Joints Chul-Goo Kim</p> <p>Seismic performance of PCa beams with mechanical joints at beam-ends Satoshi Kake</p> <p>Comparison of alternative assessment procedures to predict seismic performance of existing RC Columns Arsalan Niroomandi</p> <p>A Change in Dynamic Characteristics of High-Rise Buildings due to the 2011 Great East Japan Earthquake Toshihide Kashima</p> <p>Evaluation of Residual Axial Load Capacity of RC Columns after Shear Failure Yong Yang</p> <p>Drift Demand Prediction of Gravitational Load Carrying Reinforced Concrete Frames in Australia Elisa Lumantarna</p> <p>Fuzzy Probability Analysis of the Performance of Reinforced Concrete Frame Buildings in Bhutan Kinzang Thinley</p>	<p>Seismic Performance of Non-Engineered Residential Buildings in the 2014 Mae Lao Earthquake Teraphan Ornthammarath</p> <p>Damage assessment of structures based on monitoring data Sherif Beskhyroun</p> <p>In-situ lateral load test performance of Christchurch houses Hugh Morris</p> <p>Building owner-focussed benefit-cost analysis of seismic strengthening including market forces Matthew Cutfield</p> <p>A database for investigating NZS3101 structural wall provisions Alex Shegay</p> <p>Scenario-based seismic performance assessment of a Chilean hospital Philomene Favier</p> <p>Seismic vulnerability assessment of setback buildings using pushover analysis Adrian Fredrick C. Dy</p>	<p>Investigation of Long Period Amplifications in the Greater Bangkok Basin by Microtremor Observations Nakhorn Poovaradom</p> <p>Simulation of 2D site response at Heathcote Valley during the 2010-2011 Canterbury earthquake sequence Seokho Jeong</p> <p>Frequency-dependent Strong Motion Duration Using Total Threshold Intervals of Velocity Response Envelope Nobuoto Nojima</p> <p>Estimation of the strong motion generation area based on the acceleration envelope of records during the 2011 Tohoku Earthquake Masumitsu Kuse</p> <p>Simulation of seafloor seismic motions in southwest of Western Australia Hong Hao</p>
1.00pm – 2.00pm	Lunch		

				CONCURRENT SESSION 7		
				AUSTRALIA A	LAUNCESTON ROOM	HOBART ROOM
2.00pm – 3.30pm				Earthquake Engineering 7A Reinforced Concrete – RC Walls	Earthquake Engineering 7B Innovative Structures	Geoscience Australia 7C National Seismic Hazard Map Workshop
				Convenor: Richard Henry Chair: Richard Henry	Convenor: Greg MacRae Chair: Peter McBean	Chair: Mark Leonard
				Simulation of drift capacity for RC walls with different section configurations Susumu Kono	Structural performance evaluation of a new energy-dissipation and light-weight rocking frame by numerical analysis and experiment Dayang Wu	Geoscience Australia is currently working on a revision of the current Map. An updated version is due to be released in early 2018. Geoscience Australia are interested in meeting with potential contributors (e.g. source models, data, techniques), potential users (engineers, insurance industry, seismic hazard consultants), and other interested parties. Introduction <i>Mark Leonard</i> Project Overview <i>Mark Leonard</i> Inform stakeholders of the update to the Geoscience Australia National Seismic Hazard Map, provide an overview of the scope of the project (i.e. timeline, science, modelling approach) & seek feedback on our plans. Facilitated Discussion Discuss opportunities for contributing to the project, in particular the process for including inputs to the modelling (i.e. catalogues, seismic source models, fault source models, GMPEs, etc.).
				Recent Research to Improve the Seismic Performance of Lightly Reinforced and Precast Concrete Walls Richard Henry	Seismically Resilient Building Technology: Examples of resilient buildings constructed in New Zealand since 2013 Stephen Hogg	
				Deformation Capacity of Thick RC Structural Walls with Ordinary Boundary Element Detailing Christopher Motter	Seismic performance of sub-assembly of a demountable precast concrete frame building Pavan Kumar Aninthaneni	
			Shear friction strength of low-rise rc walls with grade 550 MPa shear bars Jang-Woon Baek	Low damage seismic design of structure using footing uplift Xiaoyang Qin		
			Seismic retrofitting of concrete coupling beams by steel plate with or without stiffeners Cheng Bei	Behavior of SFRC walls without conventional shear reinforcement Julian Carrillo		
			Experimental study of precast concrete coupled walls Weijing Zhang	Design procedure for a novel gravity rocking moment frame system Mamoon Jamil		
3.30pm – 4.00pm	Afternoon Tea					

CONCURRENT SESSION 8			
4.00pm – 5.00pm	AUSTRALIA A	LAUNCESTON ROOM	HOBART ROOM
	Earthquake Engineering 8A Timber Construction	Earthquake Engineering 8B Reinforced Concrete – RC Frames with infill	Geohazards 8C Nepal Earthquake
	Convenor: Andrew Buchanan Chair: TBC	Convenor: Jason Ingham Chair: Alistair Cattanach	Convenors: Richard Sharpe/Rajesh Dhakal Chair: Richard Sharpe
	<p>An equivalent truss method for the analysis of timber diaphragms <i>Daniel Moroder</i></p> <p>Determining the Optimum Slip Load of the Friction Damped Concentrically Braced Multi-Storey Timber Frame <i>Armin Valadbeigi</i></p> <p>Lateral Behaviour of Cross Laminated Timber Shear Walls under Reversed Cyclic Loads <i>Minghao Li</i></p> <p>Dynamic testing of a three-storey Pres-Lam Frame <i>Tobias Smith</i></p>	<p>Performance of masonry-infilled RC buildings in the M6.0 Mae Lao earthquake on May 5, 2014 <i>Chatpan Chintanapakdee</i></p> <p>Strategies of Seismic Damage Mitigation for Infilled RC Frames: Shake Table Tests <i>Hanhui Zhang</i></p> <p>Assessment of RC Wall Shear Strength Provisions in Turkish Seismic Code <i>Cagri Basdogan</i></p>	<p>Construction of 3D models of buildings damaged by earthquakes using UAV aerial images <i>Fumio Yamazaki</i></p> <p>Earthquake Impacts on Mountain Communities - Observations and Lessons from the Mw 7.8 Gorkha Earthquake of 25 April, 2015 <i>Sean Wilkinson</i></p> <p>Lessons Learned from the Nepal Earthquake 2015 <i>Tilak Pokharel</i></p> <p>Damage detection in the 2015 Nepal earthquake using ALOS-2 satellite SAR imagery <i>Fumio Yamazaki</i></p>
	Conference Closing / Awards		
5.00pm	AUSTRALIA BALLROOM		
5.15pm	Conference Ends		