

INDEX

Unless marked with an asterix (*) all papers were, in accordance with DEEWR requirements, subjected to an independent critical review process by two experts from the field in which the material was written.

Keynote Speakers

Authors	Title	Paper No
Gibson, Gary	Seismological Lessons from the Christchurch Earthquakes	Paper not available at time of printing
Goldsworthy, Helen	Lessons from the February 22nd Christchurch Earthquake	25
Ingham, Jason	Performance of Masonry Buildings in the 2010/2011 Canterbury Earthquake Swarm and Implications for Australian Cities	28
McBean, Peter Wilson, John	USAR Engineering Response to the 2011 Christchurch Earthquake	34

Oral/Poster Presenters

Authors	Title	Paper No
Agheshlui, Hossein	Anchored Blind Bolted Connections within SHS Concrete Filled Columns: Group performance	1
Albidah, Abdulrahman	Stochastic Attenuation Modelling: Saudi Arabian Case Study	2
Ali, Muneeb	A non-destructive experimental investigation into the impact response behaviour of lightweight beams	3
Allen, Trevor	The 2012 Australian Seismic Hazard Map – Catalogue & Ground Motion Prediction Equations	4
Beattie, Graeme	Development of Guidance Information for the Repair and Rebuilding of Houses Following the Canterbury Earthquake Series *	5
Bi, Kaiming	3D Pounding Analysis Between Decks and at Abutments of a Bridge Structure to Multi-component Spatially Varying Ground Motions	6
Bowland, Geoff	Impacts of Remote Low Level Seismic Events on the Monaro Region NSW	7
Burbidge, David	The 2012 Australian Seismic Hazard Map – Draft Maps	8
Chouw, Nawawi	Bridge performance during the 2010/2011 Canterbury Earthquakes	9
Chouw, Nawawi	Pounding behaviour of adjacent structures in the 2011 Christchurch Earthquake	10

Clark, Dan	Large earthquake recurrence in the Adelaide region: a palaeoseismological perspective	11
Cranswick, Edward	Coincidence of Mines and Earthquakes in Australia *	12
Cuthbertson, Russell	Two large earthquakes in southeast Queensland in the 1860s - Fact or Fiction?	13
Daniell, James	A timeline of the Socio-economic effects of the 2011 Tohoku Earthquake with emphasis on the development of a new worldwide rapid earthquake loss estimation procedure	14
Daniell, James	A Country-by-Country Building Inventory and Vulnerability Index for Earthquakes in comparison to historical CATDAT Damaging Earthquakes Database losses	15
Dent, Vic	The Yorkrakine, W.A., seismic deployment, April-May 1996	16
Dent, Vic	Is the Southwest Seismic Zone of Western Australia experiencing a “low-point” in its activity?	17
Dismuke, James	Retaining wall performance during the February 2011 Christchurch earthquake	18
Dismuke, James	Evaluation of earthquake-induced displacement of aggregate mine slopes	19
Fardipour, Mohammad	Collapse Limit State Assessment of Lightly Reinforced Reinforced Concrete Columns	20
Ganjavi, Behnoud	Elastic and Inelastic Response of Single- and Multi-Degree-of-Freedom Systems Considering Soil Structure Interaction Effects	21
Ganjavi, Behnoud	Evaluation of the Adequacy of Code Equivalent Lateral Load Pattern and Ductility Demand Distribution for Soil-Structure Systems	22
Gebreyohannes, Adane S	Behaviour of Inadequately Detailed Reinforced Concrete Walls	23
Gurley, Colin	Learning from Christchurch & Structural Design *	26
Ho, Johnny	Improved behaviour of concrete-filled-steel-tube columns with external confinement	27
Jordan, Bill	Mine blasting vibration and its effects on buildings and structures – implementing a frequency-based approach *	29
Leonard, Mark	The 2012 Australian Seismic Hazard Map – Source Zones & Parameterisation *	30
Lumantarna, Elisa	Simple Seismic Design and Assessment of Buildings Incorporating the Displacement Controlled Phenomenon	31
Maqsood, Syed Tariq	Development of a Building Inventory and Vulnerability Data for Pakistan	32
Mathews, Emma	Evaluation of the April 2011 Bowen M _L 5.3 earthquake and aftershock sequence	33
McCue, Kevin	Knowing What We Don’t Know about Australia’s Earthquakes	35
McCue, Kevin	The 1959 Berridale NSW Earthquake Revisited	36

McPherson, Andrew	The 2012 Australian Seismic Hazard Map - Introduction and Approach	37
Mendecki, Aleksander	Modelling Seismic Hazard for Mines	38
Mote, Timothy	Identification of Neotectonic Features in the Gladstone Region, Central Queensland	39
Mote, Timothy	Screening-Level Liquefaction Hazard Maps for Australia	40
Nguyen, Tuan	Evaluation of footfall induced vibration in building floor	41
Pappin, Jack	Dynamic Analyses of Slopes in Hong Kong	42
Ragued, Bilel	A Review of New Zealand Port Infrastructure and Their Vulnerability to Natural Hazards	43
Rajeev, Pathmanathan	Multi Criteria Decision Making Tool for the Selection of Seismic Retrofitting Techniques	44
Somerville, Paul	Epistemic Uncertainty in Seismic Hazard Analysis	45
Turner, Shane	The Role of the Earthquake Hazard Leader in South Australia	46
Varmazyar, Maryam	Genetic Algorithm-based Approach for Bayesian Damage Identification Using Spectral Density Analysis in Beam-like Structures	47
Vasdravellis, George	A self-centering moment connection with steel-yielding hysteretic elements for earthquake-resistant high-performance steel frames	48
Wibowo, Ari	Drift Capacity Modelling of Lightly Reinforced Concrete Columns	49
Yao, Huang	Experimental Study on Modified Blind Bolts Anchored in Concrete-filled Steel Tubular Columns	50
Zare, Mohammad Reza	Earthquake damage in wastewater systems and post-earthquake repair methods; limitation and practice	51
Zhang, Chunwei	Dynamic testing of structural active control system based on a hybrid test-simulation method	52