



AEES 2009 Conference Papers

Keynote – Professor Robert Melchers, University of Newcastle, NSW, Australia
Failure Mechanism of the Newcastle Workers Club

Vaughan Wesson, Dyno Dynamics, Melbourne, Victoria, Australia
Response by Seismologists to the 1989 Newcastle Earthquake

Graeme Beattie, BRANZ Ltd, Judgeford, Porirua, New Zealand
Twenty Years of Improvement in the Seismic Performance of Masonry Veneer Construction

Gary Gibson, Environmental Systems & Services, Monash University, Melbourne, Victoria, Australia
Earthquake Hazard at Newcastle

Keynote – Dr Paul Somerville, URS Corp, Pasadena, California, USA, Risk Frontiers, Macquarie University, NSW, Australia
Source and Ground Motion Models for Australian Earthquakes

Michael Griffith, University of Adelaide, South Australia, Australia
The Mw 6.3 Abruzzo (Italy) Earthquake of April 6th, 2009: On Site Observations

Vidal Paton-Cole, University of Melbourne, Victoria, Australia
Seismic Performance of a Brick Veneer Steel-framed House

Nick Haritos, The University of Melbourne, Victoria, Australia
Low Cost Accelerometer Sensors – Applications and Challenges

Keynote – Mr Rod Caldwell – Engineering Heritage Australia, Newcastle, NSW, Australia
Effects of the Newcastle Earthquake of 1989 on the New South Wales High Voltage Transmission System

Kaiming Bi, The University of Western Australia, Perth, Western Australia
Analysis of Influences of an Irregular Site with Uncertain Soil Properties on Spatial Seismic Ground Motion Coherency

James Daniell, The University of Adelaide, South Australia, Australia
Open Source Procedure for Assessment of Loss using Global Earthquake Modelling Software (OPAL-GEM1)

Lawrence Anton, Port Moresby Geophysical Observatory, Port Moresby, PNG
Earthquake Hazard of Port Moresby, Papua New Guinea: An Intra-plate Setting

Keynote – Dr Mark Stirling, GNS Science, Lower Hutt, New Zealand
Ground Motion-based Testing of Seismic Hazard Models in New Zealand

Bidur Kafle, The University of Melbourne, Parkville, Victoria, Australia
Shaking Table Tests on Strength Degradation Behaviour

Trevor Allen, Geoscience Australia, Canberra, ACT, Australia
Tools and Datasets of the Prompt Assessment of Global Earthquakes for Response (PAGER) System

Hing-Ho Tsang, University of Hong Kong
Protecting Low-to-medium-rise Buildings by Scrap Tyre-soil Mixture

Edward Cranswick, Public Seismic Network (Geophysicist, US Geological Survey, retired)
Mashers Fault and the Seismicity Anticipated to be Stimulated by the Proposed Open Pit Mine at Olympic Dam

Keynote – Dr John Adams, Geological Survey of Canada, Natural Resources, Canada
Seismic Hazard Estimation in Canada and its contribution to the Canadian Earthquake Loading Code – Implications for Code Development in Countries such as Australia

George Walker, Aon Benfield Asia Pacific, James Cook University, Australia
Comparison of the Impacts of Cyclone Tracy and the Newcastle Earthquake on the Australian Building and Insurance Industries

David Burbidge, Geoscience Australia, Canberra, ACT, Australia
Session on the Proposed Australian Earthquake Hazard Map

Najif Ismail, University of Auckland, Auckland, New Zealand
Out-of-plane Testing of Seismically Retrofitted URM Walls using Post-tensioning

Ari Wibowo, Swinburne University of Technology, Hawthorn, Victoria, Australia
Collapse Modelling Analysis of a Precast Soft-storey Building in Melbourne



AEES 2009 Poster Presentations

Presenting Author	Presentation Title
Majid Ali	Coir Fibre and Rope Reinforced Concrete Beam under Dynamic Loading
Michael Asten	Variability of Shear Wave Velocity Structures in Launceston, Tasmania
Feng-Long Bai	Response analysis of a transmission tower-line system to spatial ground motions
Feng-Long Bai	Effect of ground motion spatial variations on seismic responses of a long span steel trussed arch
Sriskantharajah Baraneedaran	Review of In-service Assessment of Timber Poles
Jonathon Bathgate	Detailed Assessment of the Korumburra Earthquake Cluster, 2009
Rupali Bhamare	Displacement Controlled Behaviour of Soft Storey Buildings based on the results from Full Scale Testing
Kaiming Bi	Dynamic SSI effect on the required separation distances of bridge structures to avoid seismic pounding
Vic Dent	Seismic network capability and magnitude completeness maps, 1960 – 2005 for Western Australia, South Australia and the Northern Territory
Vic Dent	The Beacon, WA earthquake swarm commencing January 2009
Nick Haritos	Behaviour of Outrigger Beams in High rise Buildings under Earthquake Loads
Deborah Hegarty	Code Comparison of Structural Design Actions Part 4: Earthquake Actions in Australia AS1170.4 – 1993 & 2007
Suksun Horpibulsuk	Behaviour of Cemented Soft Clays in Undrained Situations
Joshua Kirk, Hong Hao	Numerical Investigation of Floor Isolation for Passive Earthquake Energy Dissipation
Elisa Lumantarna	Drift Demand Predictions in Low to Moderate Seismicity Regions
Kevin McCue	Relative earthquake hazard of Newcastle NSW
Tim Mote	Probabilistic Seismic Hazard Assessment for Central Manila in Philippines
Majid Naderi	FE Analysis of Buildings with riveted joints in NZ
Siva Sivanerupan	Seismic Assessment of Glazed Façade Systems
Steve Tatham	Responding to the Korumburra Earthquake Cluster, 2009
Stuart Thurston	Seismic resistance of brick veneer under face loading
Huang (Jack) Yao	Design and Analysis of a Case-Study Low-Rise Building with Moment-Resisting Composite Frames
Mohammad Reza Zare	Wastewater Pipeline Vulnerability to Earthquakes