



The University of Auckland Centre for
Earthquake Engineering Research



2013 Earthquake Engineering Research Symposium

Wednesday,
4 December 2013

Room: Eng1401/401-401

Programme

9:00 – 9:10	Opening <i>Prof. Pierre Quenneville</i> Head of the Department of Civil and Environmental Engineering
9:10 – 9:30	Keynote: Combined failure mechanism of a breakwater subject to tsunami during 2011 east Japan earthquake <i>Prof. Susumu Iai</i> (Disaster Prevention Research Institute, Kyoto University, Japan)
9:30 – 10:35	Liquefaction characteristics of pumice sand <i>A/Prof. Rolando Orense *</i> Modeling of building pounding as compliant contact between distributed masses <i>Sushil Khatiwada *</i> Designing seismic resilient buildings <i>Jonathan Watkins *</i> Seismic response of a secondary structure with main-secondary structure interaction <i>Ellys Lim *</i> Seismic instrumentation of structures in New Zealand - A GeoNet programme <i>Dr SR. Uma</i> (GNS Science, Lower Hutt) Effect of near-fault motion characteristics on bridge responses: An experimental investigation <i>Yuanzhi Chen *</i>
10:35 – 10:50	Morning Tea
10:50 – 11:10	Keynote: Seismic microzoning based on geophysical surveys and large-scale modeling: Application to Arica City Prof. Esteban Saez (Pontificia Universidad Catolica de Chile, Santiago, Chile)

11:10 – 12:15	<p>Experimental investigation of natural flax FRP tube encased coir fibre reinforced concrete composite structures <i>Libo Yan *</i></p> <p>SFSI of liquid storage tanks under seismic loadings <i>Dr Tam Larkin *</i></p> <p>Soil-structure interaction: How reliable is the current design practice? <i>Dr Masoud Moghaddasi (Aurecon, Auckland)</i></p> <p>Regional rock motion prediction equations for New Zealand <i>Chris Van Houtte *</i></p> <p>Experiments on a rocking wall with slip-friction connectors <i>Wei Loo *</i></p> <p>Nonlinear spring-bed modelling for earthquake analysis of multi-storey buildings on shallow foundations <i>Luke Storie *</i></p>
12:15 – 12:20	Closing

* The University of Auckland

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