QuakeCoRE Workshop: System interactions and detailing of low-damage buildings

QuakeCoRE
NZ Centre for Earthquake Resilience

Share experiences of the design and construction of low-damage buildings. Understand challenges and identify gaps in research and guidance.

Structural systems

- Rocking wall systems
- Frame systems (sliding/slotted joints)
- Dissipative and/or braced systems

Focus

- Design approach
- System interactions
- Connection detailing

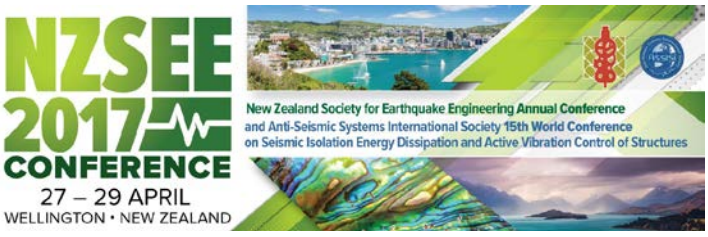
Format

- Summary of state-of-art research
- Examples of implemented systems and detailing (case-studies)
- Panel discussions

See full agenda for more details

When	Where	Who
1:00 - 5.30pm Wednesday **26 April, 2017**	**Wellington**, Uniservices, Petherick Tower 38-42 Waring Taylor St	Engineers and researchers involved in low-damage building design

RSVP *Please email Rick Henry to rsvp for this workshop: (rs.henry@auckland.ac.nz)*
Places are limited, RSVP by Wed 12th April



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Objectives

- Summarise state-of-art research related to low-damage buildings and dissipation devices.
- Catalogue and report on different types of constructed low-damage buildings.
- Identify key design and detailing approaches for constructed low-damage buildings.
- Identify design challenges and gaps in standards and guidelines for low-damage buildings.
- Develop research priorities for system interaction effects and detailing of low-damage buildings.

Agenda

1.00 – 1.10	Welcome and introduction	
1.10 – 2.30	Rocking wall systems (concrete & timber walls, steel frames)	State-of-art research and guidelines
		Examples of implemented systems and detailing
		Panel discussion
2.30 – 3.00	Break	
3.00 – 4.20	Frame systems (sliding hinge joint, slotted concrete beams)	State-of-art research and guidelines
		Examples of implemented systems and detailing
		Panel discussion
4.20 – 5.15	Dissipative and/or braced systems (components and devices)	State-of-art research and guidelines
		Examples of implemented systems and detailing
		Panel discussion
5.15 – 5.30	Wrap up and next steps	

Speakers & examples

Please contact Rick Henry if you have any case-study buildings that you would be willing to give a short presentation on.