

2018 Monthly Webconferences: Distributed Infrastructure

Objective: To coordinate and obtain feedback on the plans of the Distributed Infrastructure research programme.

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12 November 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Program updates and summaries (All)
- Presentation: "Modelling transient populations for disaster risk and resilience assessment." Mat Darling
- Presentation: "[Geospatial hazard and criticality assessment for infrastructure networks](#)." Amelia Lin
- Infrastructure program update
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Roger Fairclough, Brendon Bradley, Daniel Blake, Sophia Tsang, Leo Liu, Duncan Maina, Ebad Rehman, Rob Cardwell, Amelia Lin, Theuns Henning, Kaley Crawford-Flett, Mat Darling, Prakash Ranjitkar.

Apologies:

8 October 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Program updates and summaries (All)
- Presentation: "[Trialing a resilience assessment framework on Auckland's critical road network](#)." Natasha Mudaliar and Sandra Pang
- Presentation: "[Where Infrastructure Fits in the New Zealand Resilience Index](#)" Jo Stevenson
- Infrastructure program update and project summaries
- RNC1 Review and RNC2
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Brendon Bradley, Daniel Blake, Seosamh Costello, Jo Stevenson, Matthew Hughes, Subeh Chowdhury, Kaley Crawford-Flett, Mujaddad Afzal, Mohammad Aghababaei, Prakash Ranjitkar, Snehalata Thakur, SR Uma, Sophia Tsang, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohneh, Ebad Rehman, Natasha Mudaliar, Sandra Pang, Rob Cardwell, Amelia Lin, Pathmanathan Brabhakaran.

Apologies: Roger Fairclough, Colin Whittaker

10 September 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Program updates and summaries (All)
- Presentation: "[Development and calibration of an urban and rural transportation simulation model to assess resilience](#)." Mujaddad Afzal and Mohammad Aghababaei
- Presentation: "[Inferred recovery from the 22 February 2011 Mw6.2 Christchurch earthquake and a recovery optimization tool](#)." Xavier Bellagamba
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Daniel Blake, Kaley Crawford-Flett, Colin Whittaker, Finn Scheele, James Williams, Mark Bebbington, Mujaddad Afzal, Mohammad Aghababaei, Melanie Liu, Ryan Paulik, Prakash Ranjitkar, Rob Cardwell, Seosamh Costello, Snehalata Thakur, Theuns Henning, SR Uma, Vinod Sadashiva, Xavier Bellagamba, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohneh, Ebad Rehman, Farrukh Latif, Mostafa Baghersad.

Apologies: Roger Fairclough

13 August 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[The Resiliency of Communication Infrastructure during Alpine Fault earthquake scenarios in West Coast, New Zealand.](#)" Farrukh Latif
- Presentation: "[A resilience based assessment method for primary stormwater management system urban flood control.](#)" Nariman Valizadeh
- Discussion (All)

Participants: Nirmal Nair, Roger Fairclough, Kaley Crawford-Flett, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohnneh, Rob Cardwell, Laura Lechine, Mark Bebbington, Prakash Ranjitkar, Ben Popovich, Subeh Chowdhury, SR Uma, Alec Wild, Sophia Tsang, Amelia Lin, Vinod Sadashiva, James Williams, Josh Hayes, Mohammad Aghababaei, Mujaddad Afzal, Jo Stevenson.

Apologies: Liam Wotherspoon, Seosamh Costello

9 July 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Data and decision making in the transport sector following the Kaikoura earthquake.](#)" Daniel Blake
- Presentation: "[Modelling of Auckland land use change and volcanic hazard exposure.](#)" Rob Cardwell, Laura Lechine
- Presentation: "[NZGIS4EM Overview.](#)" Matthew Hughes
- Discussion (All)

Participants: Nirmal Nair, Roger Fairclough, Kaley Crawford-Flett, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohnneh, Rob Cardwell, Laura Lechine, Mark Bebbington, Prakash Ranjitkar, Ben Popovich, Subeh Chowdhury, SR Uma, Alec Wild, Sophia Tsang, Amelia Lin, Vinod Sadashiva, James Williams, Josh Hayes, Mohammad Aghababaei, Mujaddad Afzal, Jo Stevenson.

Apologies: Liam Wotherspoon, Seosamh Costello

11 June 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Summary Slides](#))
- Infrastructure program updates
- Presentation: "[Volcanic hazards and impacts to decision making](#)" Alec Wild
- Presentation: "[Criticality assessment and asset health management of electricity infrastructure components factoring resilience](#)" Ebad Rehman and Nirmal Nair
- RNC Updates
- Discussion (All)

Participants: Nirmal Nair, Roger Fairclough, Kaley Crawford-Flett, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohnneh, Ebad Rehman, Rob Cardwell, Mark Bebbington, Seosamh Costello, Prakash Ranjitkar, Ben Popovich, Subeh Chowdhury, SR Uma, Alec Wild, Sophia Tsang

Apologies: Liam Wotherspoon

14 May 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Characterisation and Screening of New Zealand Stopbank Networks: Phase 1 Outputs](#)" Kaley Crawford-Flett
- Presentation: "[Three Waters Technical Resilience Guidelines](#)" Marcus Gibson & Melanie Liu
- RNC2 Updates
- Discussion (All)

Participants: Liam Wotherspoon, Brendon Bradley, Roger Fairclough, Kaley Crawford-Flett, Rob Bell, Theuns Henning, James Williams, Nirmal Nair, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohnneh, Ebad Rehman, Rob Cardwell, Matthew Hughes, Mark Bebbington, Prakash Ranjitkar, Ben Popovich, Subeh Chowdhury, Farrukh Latif, Amelia Lin, Mark Milke, SR Uma, Vinod Sadashiva, Marcus Gibson.

Apologies:

9 April 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)

- Infrastructure program updates
- Presentation: " [Tsunami loading on powerpoles.](#)" Colin Whittaker
- Presentation: " [Tsunami Impacts: Developing Functions for Infrastructure Modelling.](#)" James Williams
- Presentation: " [Seismic performance of the New Zealand Bridge Stock: Inangahua-present.](#)" Liam Wotherspoon
- RNC2 Updates
- Discussion (All)

Participants: Liam Wotherspoon, Brendon Bradley, Roger Fairclough, Kaley Crawford-Flett, Daniel Blake, James Williams, Nirmal Nair, Leo Liu, Duncan Maina, Samad Shirzadi Deh Kohnneh, Ebad Rehman, Yasir Imtiaz Syed, Rob Cardwell, Matthew Hughes, Mark Bebbington, Seosamh Costello, Prakash Ranjitkar, Mohammad Aghababaei, Sophia Tsang, Colin Whittaker, Ben Popovich, Ryan Paulik, Subeh Chowdhury, Amelia Lin, Farrukh Latif, Pathmanathan Brabhakaran, Vinod Sadashiva.

Apologies: Rob Bell, Theuns Henning

12 March 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Summary Meeting Slides](#))
- Infrastructure program updates
- "Quantification of the resilience of electric power distribution systems" Leo Liu
- "Operational resilience assessment of a rural road network – South Island" Mohammad Aghababaei
- RNC-NHRP Updates
- Advisory Group Updates
- Discussion (All)

Participants: Liam Wotherspoon, Greg Preston, Daniel Blake, Theuns Henning, Leo Liu, Yasir Imtiaz Syed, Duncan Maina, Samad Shirzadi Deh Kohnneh, Ebad Rehman, Rob Cardwell, Mark Bebbington, Mohammad Aghababaei, Mujaddad Afzal, Colin Whittaker, Jo Stevenson, Ben Popovich, Xavier Bellagamba, Mark Milke, Farrukh Latif, Vinod Sadashiva.

Apologies: Rob Bell, SR Uma, Kaley Crawford-Flett

12 February 2018 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2018 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Summary Meeting Slides](#))
- Infrastructure program update and new project summaries.
- "Infrastructure Failure and Recovery Strategies from an Alpine Fault Scenario." Conrad Zorn and Ali Davies
- "Ground motion simulation and geospatial co-seismic hazard modelling – QuakeCoRE updates." Liam Wotherspoon
- Resilience to Nature's Challenges – Natural Hazards Research Platform Merger
- Other RNC/QuakeCoRE updates
- Discussion (All)

Participants: Liam Wotherspoon, Marcus Gibson, Conrad Zorn, Ali Davies, Daniel Blake, Theuns Henning, Leo Liu, Yasir Imtiaz Syed, Duncan Maina, Samad Shirzadi Deh Kohnneh, Ebad Rehman, SR Uma, Rob Cardwell, Mark Bebbington, Sam Wilson, Mohammad Aghababaei, Mujaddad Afzal, Colin Whittaker, Kaley Crawford-Flett, Ben Popovich, Xavier Bellagamba.

Apologies: Rob Bell, Nirmal Nair