

2019 Monthly Webconferences: Distributed Infrastructure

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

PLEASE NOTE: Presentation slides below are the author's property. They may contain unpublished or preliminary information and should not be circulated without author's permission.

11 November 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: '[Integrating risk science and urban planning](#)' Tom Logan
- Presentation: '[Global multi-hazard risk analysis of road and railway infrastructure assets](#)' Conrad Zorn
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Sophia Tsang, J Moratalla, Richard Mowll, Lakshita Lakshita, Harsh Subhakaran Suresh, Safa Al-Sachit, Ebad Rehman, Rizwan Ahmad, Theuns Henning, Kaley Crawford-Flett, Conrad Zorn, Ryan Paulik, Tom Logan, Alec Wild, Cecile L'Hermitte, Duncan Maina, Sandeeka Mannakkara, Seosamh Costello, Scott Kelly, SR Uma, Kristie-Lee Thomas, Caroline Orchiston, Wendy Saunders, Mark Bebbington, Vinod Sadashiva.

Apologies: Rob Bell

13 October 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Westcoast New Zealand Energy-Communication Resilience assessment factoring AF8 likely Trajectories](#)" Duncan Maina and Farrukh Latif
- Presentation: "Clean-up and restoration of urban environments after volcanic eruptions" Tom Wilson and Josh Hayes
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Daniel Blake, Nirmal Nair, Prakash Ranjitkar, Brendon Bradley, Kaley Crawford-Flett, Duncan Maina, Ebad Rehman, Lakshita Lakshita, Harsh Subhakaran Suresh, Safa Al-Sachit, Cecile L'Hermitte, Ryan Paulik, Theuns Henning, Rob Cardwell, Mark Bebbington, Sophia Tsang, Caroline Orchiston, Tom Wallace, Tom Wilson, Alec Wild, Leo Liu, Andrew Austin, Silvia Bertelli, Snehalata Thakur.

Apologies: Seosamh Costello

9 September 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Validation and Operational Performance Assessment of a Regional Road Network following the Kaikoura 7.8 Mw Earthquake in New Zealand](#)" Mohammad Aghababaei
- Presentation: "[Dike and stopbank breaching due to overtopping](#)." Ninger Kong
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Roger Fairclough, Daniel Blake, Seosamh Costello, Nirmal Nair, Duncan Maina, Samad Shirzadi deh Kohnneh, Ebad Rehman, Lakshita Lakshita, Harsh Subhakaran Suresh, Mohammad Aghababaei, Mujaddad Afzal, Kaley Crawford-Flett, Vinod Sadashiva, Cecile L'Hermitte, Ryan Paulik, Snehalata Thakur, Theuns Henning, Rob Cardwell, Mark Bebbington, Ninger Kong, Amelia Lin, Pathmanathan Brabhakaran

Apologies:

12 August 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Workflow to evaluate potential lava flow thermal hazard to buried infrastructure](#)." Sophia Tsang

- Presentation: "[Stability of breakwaters under tsunami attack](#)." Zhonghou Xu
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Daniel Blake, Duncan Maina, Samad Shirzadi deh Kohneh, Ebad Rehman, Lakshita Lakshita, Harsh Subhakaran Suresh, Leo Liu, Kaley Crawford-Flett, Vinod Sadashiva, Sophia Tsang, Cecile L'Hermitte, Ryan Paulik, Prakash Ranjitkar, James Williams, Silvia Bertelli, Zhonghou Xu, Alana Weir, Alec Wild, Snehalata Thakur, Thomas Wallace.

Apologies:

8 July 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Exposure of New Zealand ports components to tsunami hazards](#)" Ben Popovich
- Presentation: "[Summary of Distributed Infrastructure research outcomes in RNC1](#)" Liam Wotherspoon
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Seosamh Costello, Ben Popovich, Nirmal Nair, Duncan Maina, Samad Shirzadi deh Kohneh, Ebad Rehman, Lakshita Lakshita, Harsh Subhakaran Suresh, Leo Liu, SR Uma, Kaley Crawford-Flett, Mujaddad Afzal, Jose M, Alistair Davies, Sophia Tsang, Cecile L'Hermitte, Ryan Paulik, Prakash Ranjitkar, Colin Whittaker, Tumakano Fa'au, James Williams, Silvia Bertelli.

Apologies:

10 June 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Interdependency mapping and systemic vulnerability of critical infrastructure in Taranaki, New Zealand](#)" Alana Weir
- Presentation: "[Assessing the impacts of undocumented stopbanks on flood routing: a Tasman case study](#)" Thomas Wallace
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Roger Fairclough, Nirmal Nair, Daniel Blake, Duncan Maina, Samad Shirzadi deh Kohneh, Leo Liu, Seosamh Costello, Prakash Ranjitkar, Sophia Tsang, Safa Al-Sachit, Mohammad Aghababaei, Mujaddad Afzal, Kobus van Zyl, Amelia Lin, Colin Whittaker, Harsh Sudhakaran Suresh, Matthew Hughes, Cecile L'Hermitte, Alana Weir, Subeh Chowdhury, Snehalata Thakur, James Williams, Thomas Wallace, Alana Weir, Alistair Davies, Ben Popovich, SR Uma, Ryan Paulik, Aristide Drouot, Matthew Wilson, Subeh Chowdhury.

Apologies:

13 May 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[2010-2011 Canterbury earthquake sequence impact on 11kV network – research update](#)" Ebad Rehman
- Presentation: "[Towards Understanding Evacuation Behaviour under Emergency Situations](#)" Snehalata Thakur
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Daniel Blake, Duncan Maina, Samad Shirzadi deh Kohneh, Farrukh Latif, Leo Liu, Seosamh Costello, Prakash Ranjitkar, Sophia Tsang, Safa Al-Sachit, Mohammad Aghababaei, Mujaddad Afzal, Kobus van Zyl, Amelia Lin, Colin Whittaker, Sarah Bastin, Silvia Bertelli, Harsh Sudhakaran Suresh, Mat Darling, Caroline Orchiston, Matthew Hughes, Cecile L'Hermitte, Alana Weir, Subeh Chowdhury, Roger Fairclough, Snehalata Thakur, James Williams,

Apologies: Theuns Henning, Kaley Crawford-Flett

8 April 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Emergent exposure of flood inundation hazards under future climate change in New Zealand](#)" Ryan Paulik

- Presentation: "[AF8 Risk Analysis on West Coast telecom infrastructure using geospatial mapping](#)" Farrukh Latif
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Daniel Blake, Duncan Maina, Samad Shirzadi deh Kohneh, Farrukh Latif, Leo Liu, Kaley Crawford-Flett, Seosamh Costello, Sophia Tsang, Theuns Henning, Safa Al-Sachit, Melanie Liu, Rob Bell, Mohammad Aghababaei, Mujaddad Afzal, Kobus van Zyl, Amelia Lin, Colin Whittaker, Sarah Bastin, Silvia Bertelli, Harsh Sudhakaran Suresh

Apologies:

11 March 2019 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2019 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[The New Zealand Inventory of Stopbanks \(NZIS\) and its application for seismic hazard exposure assessments](#)." Daniel Blake
- Presentation: "[Critical infrastructure impacts and adaptations in small rural towns following the Kaikura earthquake](#)." Damon McKibben
- RNC2 Update
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Daniel Blake, Duncan Maina, Farrukh Latif, Leo Liu, Mark Bebbington, SR Uma, Mohammad Aghababaei, Matthew Hughes, Mat Darling, James Williams, Colin Whittaker, Rob Bell, Kobus van Zyl, Amelia Lin, Seosamh Costello, Sophia Tsang, Tim Sullivan, Melanie Liu, Roger Fairclough, Mostafa Bagheri, Kaley Crawford-Flett, Vinod Sadashiva, Mark Milke, Safa Al-Sachit

Apologies: