

2020 Monthly Webconferences: Distributed Infrastructure

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

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9 November 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "Sea-level rise, groundwater dynamics and impacts on infrastructure systems" – Amandine Bosserelle
- Presentation: "[Power System Resilience Enhancing Techniques for Pre, During and Post-HILP](#)" – Lakshita Lakshita
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Amandine Bosserelle, Seosamh Costello, SR Uma, Annisa Hazanah, Caroline Orchiston, Colin Whittaker, Conrad Zorn, Lakshita Lakshita, Lindsay Robertson, Max Zecchini Dowling, Minh Kieu, Mitchell Anderson, Nirmal Nair, Pablo Higuera, Prakash Ranjitkar, Richard Smith, Rob Bell, Rob Cardwell, Roger Fairclough, Rolando Orense, Theuns Henning, Thomas Wallace, Tumanako Fa'au, Tylan, Ebad Rehman

Apologies: Cecile L'Hermitte, Richard Mowl

9 November 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "Transportation Impact Assessment following an Alpine Fault Magnitude 8 Earthquake" - Mohammad Aghababaei
- Presentation: "[NZ and Pacific Research Projects and New Deep South and Endeavour programmes](#)" – Conrad Zorn
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Mohammad Aghababaei, Conrad Zorn, Alana Weir, Alec Wild, Amandine Bosserelle, Annisa Hasanah, Caroline Orchiston, Cecile L'Hermitte, Harsh Suresh, James Hughes, James Williams, Kaley Crawford-Flett, Kobus van Zyl, Lakshita Lakshita, Matthew Hughes, Max Stephens, Mujaddad Afzal, Nirmal Nair, Pablo Higuera, Prakash Ranjitkar, Richard Mowl, Rob Cardwell, Roger Fairclough, Rolando Orense, Seosamh Costello, Theuns Henning, SR Uma, SR Uma

Apologies: Tumanako Fa'au

12 October 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)
- Presentation: "An overview of NZs first National Climate Risk Assessment [Part 1](#) & [Part 2](#)" Rob Bell & James Hughes
- Presentation: "[New Zealand Critical Lifelines Infrastructure National Vulnerability Assessment](#)" Roger Fairclough
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, James Hughes, Rob Bell, Alec Wild, Alice Change-Richards, Asaad Shamseldin, Seosamh Costello, Alice Evans, Annisa Hasanah, Caroline Orchiston, Cecile L'Hermitte, Conrad Zorn, Ebad Rehman, Emmy Scott, Glen Baxter, Harsh, Lakshita Lakshita, Mark Milke, Matthew Hughes, Max Stephens, Nirmal Nair, Pablo Higuera, Richard Mowl, Rob Cardwell, Roger Fairclough, Ryan Paulik, Theuns Henning, SR Uma, Kobus van Zyl

Apologies: Tumanako Fa'au

14 September 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)
- Presentation: "[Modelling post-disaster habitability and population displacement](#)" Finn Scheele
- Presentation: "[Riskscape 2.0: Development and Applications](#)" Ben Popovich

- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Finn Scheele, Alana Weir, Alec Wild, Amandine Bosserelle, Asaad Shamseldin, Annisa Hazanah, Ben Popovich, Caroline Orchiston, Cecile L'Hermitte, Colin Whittaker, Conrad Zorn, Ebad Rehman, Harsh Sudhakar, James Williams, Kobus van Zyl, Lakshita Lakshita, Lindsay Robertson, Mark Bebbington, Matthew Hughes, Max Stephens, Maxim Millen, Minh Kieu, Nirmal Nair, Pablo Higuera, Prakash Ranjitkar, Richard Mowll, Richard Flay, Rolly Orense, Ryan Paulik, Roger Fairclough, Seosamh Costello, Sophia Tsang, Theuns Henning, Tom Wilson

Apologies: Tumanako Fa'aui

10 August 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)
- Presentation: "[Planning for seismic resilience of water networks - a case study for Rotorua Lakes Council](#)" SR Uma
- Presentation: "[Reducing disaster impact by targeted infrastructure resilience investments](#)" Vinod Sadashiva
- Other Updates
- Discussion (All)

Participants: , Nirmal Nair, Pablo Higuera, Cecile L'Hermitte, Conrad Zorn, Kaley Crawford-Flett, Maxim Millen, Ebad Rehman, Lakshita Lakshita, James Williams, Colin Whittaker, Annisa Hasanah, SR Uma, Kobus van Zyl, Carol Stewart, Caroline Orchiston, Matthew Hughes, Pablo Higuera, Prakash Ranjitkar, Richard Mowll, Roger Fairclough, Ryan Paulik, Seosamh Costello, Sheng Lin Lin, Theuns Henning, Tim Sullivan, Vinod Sadashiva

Apologies: Liam Wotherspoon, Rolando Orense

13 July 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)
- Presentation: "[Auckland Volcanic Field Population Exposure and Evacuation Clearance Time Modelling](#)" Alec Wild
- Presentation: "[What do we do with all of the Poo? Minimising Public Health Risks from Human Waste After a Large Wellington Fault Earthquake](#)" Matt Brenin
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Pablo Higuera, Cecile L'Hermitte, Rolando Orense, Conrad Zorn, Kaley Crawford-Flett, Maxim Millen, Harsh Sudhakar, Ebad Rehman, Lakshita Lakshita, Rizki Rahayani, James Williams, Alana Weir, Colin Whittaker, Tumanako Fa'aui, Prakash Ranjitkar, Asaad Shamseldin, Minh Kieu, Alec Wild, Matt Brenin, Annisa Hazanah, Danielle Charlton, Lindsay Robertson, Mark Milke, Nick Horspool, Rob Cardwell, Seosamh Costello, Sophia Tsang, Tom Wilson, Mujaddad Afzal, Ali Davies

Apologies: Theuns Henning, Roger Fairclough, Tom Logan

8 June 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)
- Presentation: "'[Safety doesn't take a holiday](#)': opportunities in understanding visitor risk exposure through infrastructure data" Mat Darling
- Presentation: "[Data-driven cities: bringing together machine learning and city simulation](#)" Minh Kieu
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Caroline Orchiston, Pablo Higuera, Cecile L'Hermitte, Rolando Orense, Matthew Hughes, Conrad Zorn, Kaley Crawford-Flett, Tom Logan, Maxim Millen, Richard Mowll, Harsh Sudhakar, Safa Al-Sachit, Ebad Rehman, Lakshita Lakshita, Rizki Rahayani, Samad Shirzadi, Thomas Wallace, James Williams, Colin Whittaker, Tumanako Fa'aui, Prakash Ranjitkar, Theuns Henning, Asaad Shamseldin, Richard Smith, SR Uma, Mat Darling, Minh Kieu, Kobus van Zyl

Apologies: Seosamh Costello, Richard Flay, Cara Gordon, Roger Fairclough

11 May 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)

- Presentation: "[Simulation of post eruption time variant land use and economic impacts of the Mangere Bridge volcanic eruption scenario](#)" Rob Cardwell
- Presentation: "[Modelling the seismic response of New Zealand wharves: Case history application](#)" Bilel Ragued
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Richard Flay, Pablo Higuera, Cecile L'Hermitte, Rolando Orense, Matthew Hughes, Max Stephens, Conrad Zorn, Tom Wilson, Kaley Crawford-Flett, Tom Logan, Maxim Millen, Richard Mowll, Harsh Sudhakar, Safa Al-Sachit, Ebad Rehman, Lakshita Lakshita, Rizki Rahayani, Thomas Wallace, James Williams, Alana Weir, Colin Whittaker, Tumanako Fa'au, Seosamh Costello, Theuns Henning, Rob Cardwell, Bilel Ragued, Amandine Bosserelle, Asaad Shamseldin, Brendon Bradley, Elaine Smid, Mujaddad Afzal, Mark Bebbington, Richard Smith, Sophia Tsang, SR Uma

Apologies:

9 March 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Slides](#)
- Presentation: "[Factors influencing the performance of combined dam-stopbank systems: A review of the 2017 Edgecumbe Floods.](#)" Thomas Wallace
- Presentation: "[Computational Fluid Dynamics Framework for Fluid/Wave-Structure Interaction.](#)" Pablo Higuera
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Richard Flay, Mark Dickson, Pablo Higuera, Cecile L'Hermitte, Rolando Orense, Matthew Hughes, Max Stephens, Conrad Zorn, Tom Wilson, Kaley Crawford-Flett, Tom Logan, Tim Sullivan, Matthew Wilson, Maxim Millen, Richard Mowll, Harsh Sudhakar, Safa Al-Sachit, Ebad Rehman, Lakshita Lakshita, Rizki Rahayani, Samad Shirzadi, Thomas Wallace, James Williams, Alana Weir.

Apologies: Colin Whittaker, Tumanako Fa'au, Seosamh Costello, Theuns Henning

10 February 2020 (10:00-11:30am NZT)

Purpose: To coordinate and share research activities on 2020 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[The impacts of climate change on wastewater and stormwater systems: Deep South Challenge Research.](#)" James Hughes
- Presentation: "[Tsunami Vulnerability of Critical Infrastructure: Development and Application of Functions for Impact Assessment.](#)" James Williams
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Matthew Hughes, Pathmanathan Brabhakaran, Sophia Tsang, Lakshita Lakshita, Harsh Subhakaran Suresh, Safa Al-Sachit, Ebad Rehman, Theuns Henning, Kaley Crawford-Flett, Conrad Zorn, Tumanako Fa'au, Ryan Paulik, Pablo Higuera, Tom Logan, Alec Wild, Cecile L'Hermitte, Seosamh Costello, Prakash Ranjitkar, Mark Bebbington, Maxim Millen, Rob Cardwell, Rolando Orense, Thomas Wallace, Rob Bell, Alana Weir, Max Stephens, Marcus Gibson, Sarah Bastin.

Apologies: Richard Mowll