

2022 Monthly Webconferences: Distributed Infrastructure

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

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14 November 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Analysis of transport network criticality under flooding in Ho Chi Minh City, Vietnam](#)" Yi Wang - University of Auckland
- Presentation: "[Volcanic risk modelling for resilience planning](#)" Alana Weir
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Yi Wang, Eduardo Allen, Alana Weir, Alistair Davies, Amir Shariati, Cecile L'Hermitte, Conrad Zorn, Craig Campbell-Smart, Ella Lee, Eric Sauvage, Fahad Al Riyami, Grant Wilson, Hugh Mace, James Williams, Jo Fountain, Jonas Joerin, Katherine Hill, Kristian Azul, Lakshita Lakshita, Martyn Wooster, Matt Naylor, Minh Kieu, Nate Brutsch, Nirmal Nair, Noel Kortright, Roger Fairclough, Roland Orense, Ryan Paulik, Seosamh Costello, Theuns Henning, Tumanako Fa'au, Logan Brunner, Patrick Curran, Wendy London

Apologies: Matthew Hughes, Stuart Woods, Paul Bagg,

10 October 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[A helicopter view of infrastructure resilience projects](#)" Liam Wotherspoon – University of Auckland (from the NLUF)
- Presentation: "Not Just Risk: How excluding indirect impacts masks the exacerbation of distributive injustice" Mitchell Anderson
- Presentation: "Developing a National Model to Understand our Flood Risks" Emily Lane – NIWA
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Mitchell Anderson, Emily Lane, Aidan M, Amelia Lin, Angela Doherty, Annisa Hazanah, Asaad Shamseldin, Beatrice Cassottana, Brendon Bradley, Cecile L'Hermitte, Charlotte Brown, Charlotte Toma, Colin Whittaker, Conrad Zorn, Ella Lee, Eric Sauvage, Fahad Al Riyami, Grant Wilson, Hugh Mace, James Williams, Jonas Joerin, Kaley Crawford-Flett, Katherine Hill, Kilisimasi Latu, Kristian Azul, Lawrence Tseng, Matthew Hughes, Pradeep Mandapaka, Prakash Ranjitkar, Roger Fairclough, Rolando Orense, Seosamh Costello, Theuns Henning, Thomas Wallace, Tom Logan, Tumanako Fa'au, Wendy London, Lakshita Lakshita

Apologies:

12 September 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Managed retreat of coastal Mori p](#)" Akuhata Bailey-Winiata
- Presentation: "What is going to happen to groundwater under sea-level rise? Groundwater rise and associated flooding in coastal settlements due to sea-level rise: A review of processes and methods" Amandine Bosserelle
- Presentation: "[Improving Urban Food Supply Chain Resilience using Discrete-Event Simulations of Local Supply Chains](#)" Josh Wight
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Liam Wotherspoon, Akuhata Bailey-Winiata, Amandine Bosserelle, Josh Wight, Angela Doherty, Anish Khadka, Annisa Hasanah, Cecile L'Hermitte, Charlotte Brown, Charles Lan, Tom Logan, Mitchell Anderson, Colin Whittaker, Conrad Zorn, Craig Campbell-Smart, Eric Sauvage, Haukapuanui Vercoe, James Williams, Jeremy Bennett, Jo Fountain, Katherine Hill, Lawrence Tseng, Logan Brunner, Matthew Hughes, Minh Kieu, Nadia Trent, Nirmal Nair, Noel Kortright, SR Uma, Richard Mowll, Rolando Orense, Ryan Paulik, Seosamh Costello

Apologies: Tumanako Fa'au, Theuns Henning

8 August 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "New Zealand's maritime connectivity - what happened between 2018 and 2021 and thoughts on where it's going" Nadia Trent
- Presentation: "[Landslide hazard and risk to the built environment: from initiation to impact](#)" Andrea Wolter
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Andrea Wolter, Nadia Trent, Angela Doherty, Anish Khadka, Annisa Hasanah, Cecile L'Hermitte, Charlotte Brown, Colin Whittaker, Conrad Zorn, Craig Campbell-Smart, Eduardo Allen, Ella Lee, Eric Sauvage, Grant Wilson, Hugh Mace, Kaley Crawford-Flett, Katherine Hill, Kizito Essuman, Kristian, Azul, Lakshita Lakshita, Malcolm Johnstone, Mark Bebbington, Minh Kieu, Nirmal Nair, Prakash Ranjitkar, Richard Mowll, Roger Fairclough, Rolando Orense, Theuns Henning, Thomas Wallace, Tumanako Fa'au, Tom Logan, SR Uma, Wendy London

Apologies:

11 July 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Societal expectations for seismic performance of buildings: Reflections for horizontal infrastructure](#)" Charlotte Brown
- Presentation: "[AI and computer vision in traffic data collection and monitoring](#)" Minh Kieu
- Presentation: "[Engineering Impacts of the 2021 Canterbury Floods](#)" Ella Lee
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Liam Charlotte Brown, SR Uma, Alistair Davies, Anish Khadka, Bozidar Stojadinovic, Brendon Bradley, Carol Stewart, Cecile L'Hermitte, Conrad Zorn, Daria Solovyeva, Ella Lee, Grant Wilson, Haukapuanui Vercoe, Helen Furner, James Williams, Jessica Mandi, Kaley Crawford-Flett, Kilisimasi Latu, Kizito Essuman, Kristian Azul, Lakshita Lakshita, Lianyan Li, Mark Milke, Matthew Hughes, Minh Kieu, Nadia Trent, Nirmal Nair, Prakash Ranjitkar, Roger Fairclough, Rolando Orense, Seosamh Costello, Shannon Abeling, Stuart Woods, Tmanako Fa'au, Wendy London

Apologies: Theuns Henning, Colin Whittaker

13 June 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Incorporating socio-economic impacts of infrastructure disruptions in resilience decision-making](#)" Sriji Balakrishnan
- Presentation: "[Award-Winning Project – Analysing the Long-term Investment Needs for the New Zealand State Highways](#)" Theuns Henning
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Sriji Balakrishnan, Ross Roberts, Kristian Azul, Annisa Hasanah, Sam Archie, Tumanako Fa'au, Alberto Costa, Amelia Lin, Asaad Shamseldin, Bozidar Stojadinovic, Cecile L'Hermitte, Charles Lan, Colin Whittaker, Conrad Zorn, Carol Stewart, Grant Wilson, Gurupraanesh Raman, Hamed Hafeznia, Haukapuanui Vercoe, Hugh Mace, Iwo Dubaniowski, Jessica Mandi, Jonas Joerin, Kaley Crawford-Flett, Kenan Liu, Kizito Essuman, Lawrence Tseng, Mark Bebbington, Pathmanathan Brabhakaran, Craig Campbell-Smart, Matthew Hughes, Nadia Trent, Nirmal Nair, Pradeep Mandapaka, Raghav, Richard Mowll, Rob Cardwell, Roger Fairclough, Rolando Orense, Jacob Pastor-Paz, Seosamh Costello, Siqi Song, Theuns Henning, Thomas Wallace, SR Uma, Wendy London, Yasir Syed, Stuart Woods, Tom Logan.

Apologies:

9 May 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Location-based strategies to support the electrical power system resilience during High Impact Weather](#)" Lakshita Lakshita
- Presentation: "[Vulnerability of power systems exposed to volcanic hazards](#)" Hugh Mace
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Lakshita Lakshita, Hugh Mace, Kristian Azul, Alec Wild, Andrew Laphorn, Annisa Hasanah, Asaad Shamseldin, Cecile L'Hermitte, Charlotte Brown, Colin Whittaker, Conrad Zorn, Eduardo Allen, Grant Wilson, Haukapuanui Vercoe, Jessica Mandi, Kaley Crawford-Flett, Kilisimasi Latu, Kizito Essuman, Logan Brunner, Malcolm Johnstone, Matthew Hughes, Nirmal Nair, Richard Mowll, Roger Fairclough, Rolando Orense, Stuart Woods, Tom Logan, Wendy London, Yasir Syed, SR Uma

Apologies: Theuns Henning

11 April 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Effects of socio-demographic factors on evacuation decision-making under an imminent threat of volcanic eruption: case study Auckland](#)" Snehalata Thakur
- Presentation: "Adaptation of Coastal Infrastructure - why, when and how?" Peter Quilter
- Presentation: "[Te Hirangu R QuakeCoRE: A resilient Aotearoa-NZ transport system research programme overview](#)" Liam Wotherspoon, Charlotte Brown
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Snehalata Thakur, Peter Quilter, Charlotte Brown, Alec Wild, Amandine Bosserelle, Amelia Lin, Pathmanahan Brabhakaran, Cecile L'Hermitte, Conrad Zorn, Craig Campbell-Smart, Eduardo Allen, Grant Wilson, Haukapuanui Vercoe, Hugh Mace, Jake McPhee, James Williams, Jessica Mandi, Kaley Crawford-Flett, Lakshita Lakshita, Malcolm Johnstone, Max Stephens, Minh Kieu, Nirmal Nair, Prakash Ranjitkar, Rebecca Peer, Richard Mowll, Rob Bell, Roger Fairclough, Rolando Orense, Seosamh Costello, Stuart Woods, Terea Gordon, Theuns Henning, Thomas Wallace, Tom Logan, Tumanako Fa'aui, Wendy London

Apologies: Colin Whittaker, Seth Smith, SR Uma

14 March 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Presentation: "[Infrastructure Component Fragility/Vulnerability for Tsunami Wave Impacts and Currents](#)" Tate Kimpton
- Presentation: "[Dam-stopbank catchment systems: Current issues, international developments, and research outlook](#)" Kaley Crawford-Flett
- Presentation: "Riskscape – New release overview and updates" Alec Wild
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Tate Kimpton, Ross Roberts, Akuhata Bailey-Winiata, Alec Wild, Amandine Bosserelle, Amelia Lin, Andrew Laphorn, Angela Doherty, Annisa Hasanah, Asaad Shamseldin, Brendon Bradley, Cecile L'Hermitte, Charlotte Brown, Conrad Zorn, Eduardo Allen, Emma Singh, Fahad Al Riyami, Hugh Mace, James Williams, James Mandi, Joshua Wight, Kaley Crawford-Flett, Kizito Essuman, Kobus van Zyl, Lakshita Lakshita, Max Stephens, Malcolm Johnstone, Mitchell Anderson, Nathan McDougall, Nirmal Nair, Pablo Higuera, Patrick, Richard Mowll, Roger Fairclough, Rolando Orense, Sam Archie, Snehalata Thakur, Stuart Woods, Theuns Henning, Thomas Wallace, Tom Logan, Tumanako Fa'aui, SR Uma, Vinod Sadashiva

Apologies: Colin Whittaker, Seosamh Costello, Matthew Hughes, Tom Shand

14 February 2022 (1:00-2:30pm NZT)

Purpose: To coordinate and share research activities on 2022 Distributed Infrastructure research.

Agenda:

- Introductions (All) [Meeting Summary Slides](#)
- Presentation: "[Vulnerability of Utility Poles to Tsunami Bore Impacts](#)" Max Stephens
- Presentation: "[Evolving landslide risk in the wake of a large continental earthquake](#)" Tom Robinson
- Presentation: "[Quantifying post-disaster transport disruption and resilience using simulation models](#)" Seosamh Costello
- Other Updates
- Discussion (All)

Participants: Liam Wotherspoon, Max Stephens, Angela Doherty, Alec Wild, Alastair Davies, Amelia Lin, Annisa Hasanah, Asaad Shamseldin, Cecile L'Hermitte, Charlotte Brown, Charlotte Toma, Charles Lan, Conrad Zorn, Craig Campbell-Smart, Emma Singh, Grant Wilson, Hugh Mace, Jessica Mandi, Kaley Crawford-Flett, Kizito Essuman, Kristian Azul, Lakshita Laskhita, Malcolm Johnstone, Mark Bebbington, Matthew Hughes, Nadia Trent, Nirmal Nair, Noel Kortright, Richard Mowll, Richard Smith, Richard Turner, Roger Fairclough, Rolando Orense, Seosamh Costello, Snehalata Thakur, Sophia Tsang, Tate Kimpton, Theuns Henning, Thomas Wallace, Tom Logan, Tom Robinson

Apologies: Colin Whittaker, Tumanako Fa'aui