

2017 Monthly Webconferences: Distributed Infrastructure

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

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13 November 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Summary Meeting slides](#))
- "Electricity Network Assessment during Alpine Fault Event: microgrid as a solution for restoration" Samad Shirzadi Deh Kohnneh (UA)
- "Assessing the long-term impacts of natural hazard events using integrated land use - economic - transport models" Rob Cardwell (UA)
- National Lifelines Forum - [presentation here](#)
- Other RNC/QuakeCoRe updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Brendon Bradley, Leo Liu, Yasir Imtiaz Syed, Duncan Maina, Prakash Ranjitkar, SR Uma, Roger Fairclough, Rob Cardwell, Mark Bebbington, Mohammad Aghababaei, Mujaddad Afzal, Sophia Tsang, Vinod Sadashiva, Colin Whittaker, Ting, Pathmanathan Brabhakaran

Apologies: Seosamh Costello

9 October 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Summary Meeting Slides](#))
- "University of Oxford and UK Infrastructure Transitions Research Consortium (ITRC) research overview" Liam Wotherspoon (UA)
- "University College London and EPIcentre research overview" Liam Wotherspoon (UA)
- 2018 RfP project discussion
- Other RNC/QuakeCoRe updates
- Discussion (All)

Participants: Liam Wotherspoon, Nirmal Nair, Ali Davies, Leo Liu, Yasir Imtiaz Syed, Duncan Maina, Prakash Ranjitkar, SR Uma, Roger Fairclough, Daniel Blake, Rob Cardwell, Mark Bebbington, Seosamh Costello, Mohammad Aghababaei, Mujaddad Afzal, Melanie Liu.

Apologies: Brendon Bradley, Seosamh Costello

11 September 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Invited: "[Assessing the resilience of the Auckland transportation network.](#)" M Afzal
- 2018 RfP project discussion
- Other RNC/QuakeCoRe updates
- Discussion (All)

Participants: Liam Wotherspoon, Ali Davies, Matthew Hughes, Leo Liu, Yasir Imtiaz Syed, Prakash Ranjitkar, Sophia Tsang, Colin Whittaker, SR Uma, Vinod Sadashiva, Rob Bell, Daniel Blake, Rob Cardwell, Xavier Bellagamba, Mark Bebbington, Kaley Crawford-Flett, Andrew Austin, Seosamh Costello, Mohammad Aghababaei, Mujaddad Afzal, Kate Crowley, Sophia Tsang, Melanie Liu

Apologies: Brendon Bradley, Nirmal Nair

14 August 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Invited: "[Regional resilience – A framework to assess impact from multiple infrastructure networks.](#)" SR Uma and Vinod Sadashiva
- 2018 RfP project discussion - ideas for coming year
- Other RNC/QuakeCoRe updates

- Discussion (All)

Participants: *Liam Wotherspoon, Ali Davies, Matthew Hughes, Conrad Zorn, Samad Shirzadi Deh Kohnneh, Duncan Maina, Leo Liu, Yasir Imtiaz Syed, Prakash Ranjitkar, Sophia Tsang, SR Uma, Vinod Sadashiva, Seosamh Costello, Mohammad Aghababaei, Mujaddad Afzal, Kate Crowley, Sophia Tsang, Melanie Liu*

Apologies: *Brendon Bradley, Colin Whittaker, Nirmal Nair*

10 July 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Invited: "[Clean-up and restoration of urban environments after volcanic eruptions.](#)" Josh Hayes
- Invited: "[Modelling the Hazard Footprint and Consequences of Lava Flows in an Urban Environment.](#)" Sophia Tsang
- [Summary of UNISDR Conference.](#) Matthew Hughes
- Discussion (All)

Participants: *Nirmal Nair, Ali Davies, Greg Preston, Matthew Hughes, Conrad Zorn, Mostafa Nayyerloo, Xavier Bellagamba, Samad Shirzadi Deh Kohnneh, Duncan Maina, Leo Liu, Yasir Imtiaz Syed, Mark Bebbington, Colin Whittaker, Prakash Ranjitkar, Daniel Blake, Rob Cardwell, Sophia Tsang, Josh Hayes*

Apologies: *Seosamh Costello, Rob Bell, Liam Wotherspoon, Andrew Austin*

12 June 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Invited: "[Disaster related recovery of power networks](#)" Duncan Maina
- Invited: "Characterising long-term ground deformation impacts on Christchurch City's buried high voltage electricity network since the start of the Canterbury Earthquake Sequence" Matthew Hughes
- Invited: "[Tsunami loading characteristics on power poles](#)" Colin Whittaker
- Invited: "[Characterisation and screening of New Zealand stopbank networks](#)" Kaley Crawford-Flett
- Linkage Structure questionnaire (Liam)
- Kaikoura Earthquake Updates (All)
- Advisory Group Updates (Liam)
- Funding Opportunities (Liam)
- Discussion (All)

Participants: *Liam Wotherspoon, Ali Davies, Greg Preston, SR Uma, Kaley Crawford-Flett, Matthew Hughes, Conrad Zorn, Mostafa Nayyerloo, Xavier Bellagamba, Samad Shirzadi Deh Kohnneh, Duncan Maina, Leo Liu, Andrew Austin, Yasir Imtiaz Syed, Marcus Gibson, Mark Bebbington, Sheng-Lin Lin, Colin Whittaker, Prakash Ranjitkar, Daniel Blake, Pathmanathan Brabhakaran, Sophia Tsang, Nirmal Nair*

Apologies: *Seosamh Costello, Rob Bell, Mohammad Aghababaei*

8 May 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Invited: "[Fragility functions for buried pipelines in liquefaction prone regions using CES data](#)" (Xavier Bellagamba)
- Invited: "[Tsunami loading and New Zealand ports](#)" (Ben Popovich)
- Linkage Structure questionnaire (Liam)
- Kaikoura Earthquake Updates (All)
- Advisory Group Updates (Liam)
- Funding Opportunities (Liam)
- Discussion (All)

Participants: *Liam Wotherspoon, Ali Davies, Greg Preston, Seosamh Costello, SR Uma, Kaley Crawford-Flett, Matthew Hughes, Conrad Zorn, Vinod Sashidiva, Mostafa Nayyerloo, Xavier Bellagamba, Samad Shirzadi Deh Kohnneh, Duncan Maina, Leo Liu, Andrew Austin, Yasir Imtiaz Syed, Mohammad Aghababaei, Rob Cardwell, Marcus Gibson, Asaad Shamseldin, Ben Popovich, Garry McDonald*

Apologies: *Brendon Bradley, Roger Fairclough, Nirmal Nair*

10 April 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All)
- Kaikoura Earthquake Infrastructure Summaries:
 - Invited: "[3 Waters](#)" (Mostafa Nayyerloo)
 - Invited: "[Transportation](#)" (Ali Davies)
 - Invited: "[Electric Power](#)" (Nirmal Nair)
 - Invited: "[Telecommunications](#)" (Andrew Austin)
- Invited: "[End to end linkage structure for integrated impact assessment of infrastructure networks under natural hazards](#)" (Yasir Imtiaz Syed)
- Discussion (All)

Participants: Liam Wotherspoon, Ali Davies, Greg Preston, SR Uma, Roger Fairclough, Mujaddad Afzal, Rob Bell, Kaley Crawford-Flett, Nariman Valizadeh, Prakash Ranjitkar, Conrad Zorn, Vinod Sashidiva, Xavier Bellagamba, Samad Shirzadi Deh Kohnneh, Duncan Maina, Leo Liu, Andrew Austin, Yasir Imtiaz Syed, Mohammad Aghababaei, Rob Cardwell

Apologies: Brendon Bradley, Seosamh Costello, Nirmal Nair, Behrooz Balaei, Sophia Tsang

13 March 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Summary meeting slides here](#))
- Invited: "Introduction to Riskscape" (Nick Horspool)
- Invited: "[Electric Power Distribution Systems Resilience Modelling Toolbox](#)" (Leo Liu)
- Invited: "[National State of Infrastructure Report](#)" (Roger Fairclough)
- Summary of activities (All)
- Potential new NHRP and RNC funding (All)
- Discussion (All)

Participants: Liam Wotherspoon, Ali Davies, Greg Preston, Nick Horspool, SR Uma, Roger Fairclough, Seosamh Costello, Mujaddad Afzal, Vivienne Ivory, Nariman Valizadeh, Prakash Ranjitkar, Colin Whittaker, Conrad Zorn, Vinod Sadashiva, Xavier Bellagamba, Samad Shirzadi Deh Kohnneh, Duncan Maina, Leo Liu, Andrew Austin, Yasir Imtiaz Syed, Sophia Tsang, Mohammad Aghababaei, Nirmal Nair

Apologies: Brendon Bradley, Pathmanathan Brabhakaran, Garry McDonald

13 February 2017 (13:00-14:30am NZT)

Purpose: To coordinate and share research activities on 2017 RNC/QuakeCoRE Distributed Infrastructure research.

Agenda:

- Introductions (All) ([Slides for whole meeting here](#))
- Summary of projects funded through the RfP for 2017 (Wotherspoon)
- Summary of the progress of existing core Infrastructure projects (All)
- Summary of aligned infrastructure projects (All)
- Post Kaikoura EQ reconnaissance, engagement and projects (All)
- Potential new NHRP and RNC funding (All)
- Discussion (All)

Participants: Liam Wotherspoon, Ali Davies, Roger Fairclough, Nirmal Nair, Leo Liu, Conrad Zorn, Nariman Valizadeh, Prakash Ranjitkar, Seosamh Costello, Mohammad Aghababaei, Garry McDonald, Mark Bebbington, Behrooz Balaei, Pathmanathan Brabhakaran, Colin Whittaker, Samad Shirzadi Deh Kohnneh, Duncan Maina, Andrew Austin

Apologies: Brendon Bradley, Sonia Giovinnazi, Tom Wilson