

Built Environment: Horizontal Infrastructure

Monthly Meeting

14/09/2020

Summary

- Introductions
- Presentation: “Modelling post-disaster habitability and population displacement” – Finn Scheele GNS/UC
- Presentation: “Riskscape developments and applications” – Ben Popovich NIWA
- Highlights and Discussion
- Other items

Highlights

Deep South NSC

- Contestable Round Success
- *National Assessment of Critical Infrastructure Network Service Disruption from Future Coastal Flooding*
- NIWA & UoA
- 2020-2023

Endeavour

- Research Programme Success
- *Reducing flood inundation hazard and risk across Aotearoa/New Zealand*
- NIWA Led
- 2020-2025

Open Access

Article

A National-Scale Assessment of Population and Built-Environment Exposure in Tsunami Evacuation Zones

by  Ryan Paulik ^{1,*}  ,  Heather Craig ²  and  Benjamin Popovich ¹ 

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Transportation Research Part D: Transport and Environment

Volume 87, October 2020, 102511



Transportation impact assessment following a potential Alpine fault earthquake in New Zealand

Mohammad Aghababaei  , Seosamh B. Costello , Prakash Ranjitkar 



QuakeCoRE
NZ Centre for Earthquake Resilience
Te Hiranga Rū



National
SCIENCE
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa
– Ngā Ākina o
Te Ao Tūroa

Papers & Highlights

- Send through recently published papers
- Highlight at end of monthly meetings

Other Items

Workshop on Resilient Cities through Computation

- Fri., October 9, 2020, 9:30 am - 6:00 pm EDT
- The “Resilient Cities through Computation” workshop will bring together researchers from around the world who are working on various aspects of disaster science and engineering to: 1) exchange information, and 2) discuss means by which to leverage their shared computational interest for achieving community resilience.
- <https://micde.umich.edu/workshop-resilient-cities-2020/>

22nd IAHR-APD conference

- 15-16 September
- Online (free but registration is required)
- Website: <https://iahr-apd2020.eng.hokudai.ac.jp/>
- Program: https://iahr-apd2020.eng.hokudai.ac.jp/htdocs/static/mirror/img/pdf/IAHR-APD2020_detail_program.pdf

International Conference on Coastal Engineering

- 6-9 October
- Online (free but registration is required)
- Website: <https://vicce.live/>
- Program: <https://vicce.live/program>

Student Projects

- Summer research projects
 - \$7.5k
 - 10 weeks
- Interested in collating ideas to form up projects and align to ongoing research

Other Items

- Slack Channel
 - To join:
 - <http://bit.ly/rnc-infrastructure>

Any Other Items?

- Wiki:

<https://wiki.canterbury.ac.nz/display/QuakeCore/Special+Project+1%3A+Spatially-distributed+Infrastructure>