

Dear all

This week we have two opportunities that may interest you:

- A Postdoctoral Research Associate in Water Resources Modelling at the University of New South Wales
<https://external-careers.jobs.unsw.edu.au/cw/en/job/503263/research-associate-in-water-resources-modelling>
- A QuakeCoRE funded PhD scholarship for research into the Economic impact of functional recovery building design based at the University of Auckland
Please see the attached PDF flyer

The MODSIM2021 block program is now available from the website at <https://mssanz.org.au/modsim2021/program.html>. The detailed program will be published as soon as possible.

If you would like something included in this digest, please email it to office@mssanz.org.au

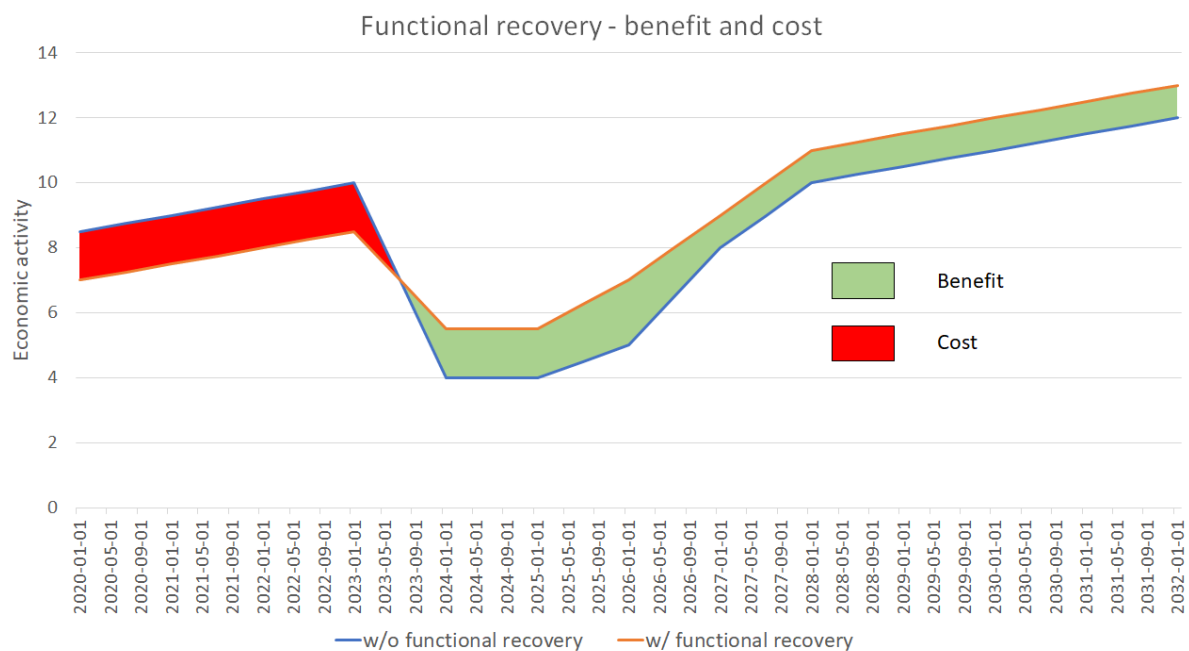
Kind regards, Karen

QuakeCoRE funded PhD scholarship: Economic Impact of Functional Recovery Building Design

What is the research about?

The QuakeCoRE research program aims to investigate the economic benefits of implementing functional recovery design standards for new buildings. Functional recovery design represents a significant shift from the current life-safety centred building codes. Functional recovery means that in the event of a major earthquake, buildings can be safely reoccupied in a reasonable amount of time and minimal repair.

We are looking for a PhD candidate to investigate the overall economic benefit of different functional recovery designs of multi-storey buildings. Do the economy-wide benefits (e.g. reduced downtime) from constructing buildings to functional recovery design standards outweigh the associated costs? The outputs of the assessment might look something like this:



Who would be the ideal candidate?

This research would suit someone looking for an opportunity to become a leader in building and infrastructure financing and economic impact assessment. The candidate will have a postgraduate-level degree (Honours or Masters) in any of the following disciplines: engineering (all disciplines), built environment, mathematics, or economics.



Supervision and funding?

The supervisory and advisory team will consist of Robert Cardwell (Market Economics), Dr Olga Filippova (Department of Property, University of Auckland), and Professor Ken Elwood and Dr Alice Chang-Richards (Department of Civil and Environmental Engineering, University of Auckland).

The candidate can be either based at the Department of Civil and Environmental Engineering (Faculty of Engineering), or Department of Property (Business School), the University of Auckland.

This research is covered by a fully funded three-year PhD scholarship by the QuakeCoRE program. The scholarship consists of a tax-free stipend of \$27,500 per year, up to \$8,500 towards tuition fees, plus travel to the QuakeCoRE annual meeting for the duration of the scholarship.

Further information?

For further information, please contact Robert Cardwell at robert@me.co.nz