

Postdoctoral Fellow in Ground Motion Simulation

(on behalf of Brendon Bradley, University of Canterbury)

We seek a postdoctoral Fellow to undertake research in broadband ground motion modelling, its validation using historical earthquakes (including the 2010-2011 Canterbury and 2016 Kaikoura earthquakes), and application to likely ground motion characteristics of future major earthquakes in New Zealand through the application of validated broadband ground motion simulation methods via scenario ruptures and simulation-based probabilistic seismic hazard analysis. The research is in relation to the project entitled: “Earthquake-induced ground motion prediction: Accelerating the transition from empirical relations to physics-based simulations methods”.

This research will be completed in through QuakeCoRE: The New Zealand Centre for Earthquake Resilience via the flagship project: Ground Motion Simulation and Validation – involving 30+ researchers and practitioners from multiple institutions and disciplines. This [wiki page](#) provides further information of research directions.

Applications due: **31 May 2018**

Apply: Job ID 5934, <https://ucvacancies.canterbury.ac.nz>

Further enquiries regarding submitting an application can be made to Brendon Bradley brendon.bradley@canterbury.ac.nz