



National Research Center for Integrated Natural Disaster Management CONICYT/FONDAP/15110017

## Postdoctoral opportunities

The **National Research Center for Integrated Natural Disasters Management (CIGIDEN)** started its operation in 2013 and is located at the **Pontificia Universidad Catolica de Chile**, Santiago, Chile. The Center is a cross-disciplinary research initiative aimed to mitigate the tremendous and complex impact of natural disasters in the society, considering the physical infrastructure, the human stock, and the economic development. The Center takes advantage of Chile as one of the most active natural seismic and geo-hazard laboratories in the world.

To encourage the research work, CIGIDEN is offering four Postdoctoral research opportunities in the global area of *Vulnerability and Risk Assessment of Physical and Social Systems*. One of them focuses on **Structural Vulnerability**. The researchers are expected to have experience and skills in one or more of the following topics:

- a) Vulnerability and fragility analysis of the built environment, structures, infrastructure, lifelines, and other networks
- b) Fragility evaluation of physical systems (housing and buildings, hospitals, lifelines and infrastructure)
- c) Inelastic structural behavior under earthquakes and extreme loading conditions
- d) Structural risk evaluation and life cycle analysis
- e) Evaluation of people's performance in physical systems under extreme loading conditions

The candidate will be appointed at CIGIDEN, located within the School of Engineering at the Pontificia Universidad Catolica de Chile, San Joaquin Campus, Vicuña Mackenna 4860, Santiago.

For additional information about the Center please visit <http://www.cigiden.cl> or contact Felipe Rivera ([fnrivera@uc.cl](mailto:fnrivera@uc.cl)- +56 2 23541805).

Interested researchers should send their CV's and statement of purpose by email to [contacto@cigiden.cl](mailto:contacto@cigiden.cl) with Subject Line "Postdoctoral Position CIGIDEN, Line 3" Cc:[fnrivera@uc.cl](mailto:fnrivera@uc.cl). The call is open until June 30th, and the starting date should ideally be during the first semester of 2014. Late applications may be considered until the position is filled, and special conditions may apply for the starting date. The duration of the position is for a minimum of 12 months and a maximum of 36 months. Contract conditions, including salary, will be market conditions for researchers in Chile and provided upon personal request.