



Urban Design and Planning

## Haitian and Chilean Earthquakes Compared – Lessons for the Pacific Northwest

CREW along with PNSN, EERI, USGS and UDP invite you to a discussion of the local and global impacts and responses to the Haitian and Chilean earthquakes, and related lessons for the Pacific Northwest.

Haiti's built and social structures demonstrably lacked the resilience needed to survive the shaking, despite the fact that an earthquake was expected to occur at some point and the understood vulnerability of many of the country's systems. On the other hand, Chile has a long history of living with, preparing for, and responding to earthquakes. This is evident in the fact that, although the Chilean earthquake released ~500 times the energy of Haiti's, their buildings have fared much better. This is a remarkable testimony to the efficacy of adhering to building codes designed to keep structures standing after a strong earthquake.

Similarities and differences between these two events and what we can expect in the Northwest will be presented.

**Where:** University of Washington Campus, Room 102 Johnson Hall

**When:** March 23<sup>rd</sup>, 4:00 PM to 6:00 PM

### Program:

1. **Reception:** 3:30 PM – 4:00 PM
2. **Welcome:** Robin Friedman (Director, King County Emergency)
3. **Opening Remarks:** Dow Constantine, King County Executive (invited)
4. **The Event:** Joan Gomberg (USGS)

**Impacts:** David Gonzalez (Associate Principal Degenkolb Engineers), Mark R. Pierepiekarz (President MRP Engineering) and Tim Walsh (Chief Hazards Geologist, WaDNR)

5. **What we can do?:** Tamra Biasco, Moderator (FEMA Earthquake/Tsunami Program Officer)

### Panel:

- Preparedness Response: Seattle/King county – Joann Jordan (Seattle EM)
- Mitigation of Structures – Cale Ash (Degenkolb)
- Mitigation for Tsunamis – Tim Walsh (Chief Hazards Geologist, DNR)
- Business – Wendy Freitag (EMD)
- Homeowner – Roger Faris (FEMA)

