



PEER

PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER

110th Anniversary of the Great San Francisco Earthquake & Fire

SEMINAR - Monday, April 18, 2016, 12-1pm

Banatao Auditorium, 310 Sutardja Dai Hall, UC Berkeley

Post-Earthquake Responses to Risk – 1906 to Now



Photo Credit: Chadwick, H. D. (US Government War Department), National Archives, Washington D.C., April 1906

Disasters are focusing events for agenda setting and policymaking. In California and many other parts of the world, enhancements to the seismic provisions of building codes, infrastructure standards, and public policy are often made to reflect the learning gained from recent earthquakes. Community-scale responses to risk that involve major changes in land use or significant long-term investments in resilience are more unique. As we commemorate the 110th anniversary of the Great San Francisco Earthquake and Fire, we will look back through time at some of the major

community-scale seismic risk reduction policies that have been implemented in the aftermath of damaging earthquakes in San Francisco (1906 and 1989), Kobe Japan (1995), Sichuan China (2008), Canterbury New Zealand (2010-2011), and the Tohoku region of Japan (2011), and we will consider what some of the potential community-scale risks and responses might be if a major damaging earthquake were to strike the San Francisco Bay Area today.

Dr. Laurie A Johnson

Visiting Project Scientist, Pacific Earthquake Engineering Research Center, UC Berkeley

Dr. Laurie A. Johnson is an urban planner specializing in disaster recovery and catastrophe risk management. She has been active in research and consulting on recovery planning and management following many of the world's major urban disasters, including the Loma Prieta and Northridge earthquakes, the Kobe and Tohoku Japan earthquakes, Hurricane Katrina, and Canterbury New Zealand earthquake sequence. She is a member of U.S. Geological Survey's Science Application for Risk Reduction (SAFRR) team focusing on long-term recovery and policy issues arising from the HayWired scenario of a M7.05 earthquake striking on the San Francisco Bay Area's Hayward fault in April 2018. Dr. Johnson chairs the U.S. National Advisory Committee for Earthquake Hazards Reduction, and serves on the steering committee of GEER – the Geotechnical Extreme Event Reconnaissance organization and the board of directors of SPUR – the San Francisco Bay Area's civic and good governance organization. She holds a Doctor of Informatics degree from Kyoto University, Japan and a Master of Urban Planning and Bachelor of Science in Geophysics, both from Texas A&M University.