



A kick-off workshop on: **Earthquake Hazards** and Scenarios for Damage Reduction

Date: December 16, 2019 (1:30 pm - 5:00 pm)

**Venue: University of California, Irvine
Rowland Hall (RH, Rm. 142)**

Co-organized by earthquake scientists and seismic engineers at
UCI/USA and Osaka University/Japan

Most of recent destructive earthquakes occurred in areas where high seismic risks had not been assigned by authorities. This workshop will review the limited understanding of seismic risks and damage estimates, which is intrinsic prior to events, and explore scenarios for earthquake hazard mitigation practice.

Planned speech topics (see the agenda):

- Observed peak ground motions of recent earthquakes far exceeded predicted hazard risks
- Simulation of strong ground motion & uncertainties of structural design
- Soil resistance and pile foundation reinforcement effects
- Base isolation systems for earthquake safety
- Seismic designs & analysis of structural systems for earthquake damage reduction
- What does “Earthquake Early Warning” provide ?
- Public health approach to reducing earthquake risk

Anyone is welcome to participate! Please send an email for registration to: Fumiko Tajima (ftajima (at) uci.edu)

(V.11.16.19)