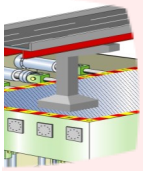

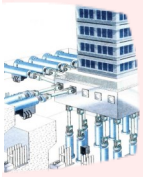

Presented By:
Yousef Bozorgnia, Ph.D.
Professor In Residence
Civil & Environmental Engineering
University of California, Berkeley

UCI Samueli School of Engineering | Department of Civil and Environmental Engineering

Civil Engineering *Seminar Series*

Friday, November 13th 2015
MSTB 122
2:00PM - 2:50PM

Major PEER Research Projects: From Ground-Motion Hazard To Seismic Performance Of Lifelines & Buildings

Dr. Yousef Bozorgnia will give an overview of major research projects coordinated at the Pacific Earthquake Engineering Research Center (PEER), University of California. The major research programs include a set of NGA projects, which are multidisciplinary earthquake ground motion hazard in the Western US, Central & Eastern US, and subduction regions. Other on-going research projects include seismic performance of lifelines, performance of residential buildings in California, and development of structural design guidelines for tsunami loads.

Speaker Bio

Dr. Yousef Bozorgnia is Professor In Residence at the Department of Civil and Environmental Engineering, University of California, Berkeley. Professor Bozorgnia is also the Executive Director of the Pacific Earthquake Engineering Research Center (PEER), a consortium of 10 universities in the west coast of the US. Professor Bozorgnia has over 34 years of experience in earthquake engineering, ranging from probabilistic analysis of ground motion hazard, seismic performance of lifelines, performance-based seismic design of buildings, to seismic performance of power plants. He is the author of numerous well-cited publications and co-developer of an earthquake ground motion model that is used extensively worldwide for seismic analysis and design of wide range of facilities. In 2004, Dr. Bozorgnia and Prof. Bertero edited an 1100-page book entitled "*Earthquake Engineering: From engineering seismology to performance-based engineering*", which has been the text of graduate level courses at various universities. Dr. Bozorgnia is a licensed Professional Civil Engineer (PE) in the State of California, and has been a *Fellow* of the American Society of Civil Engineers (ASCE) since 1998. He is also currently the Associate Editor of *Earthquake Spectra*, a scientific journal dedicated to earthquake engineering.

Questions? - cee@uci.edu - (949) 824-7548