



# EERI New England Regional Chapter Meeting

## Dominic Kelly, P.E.

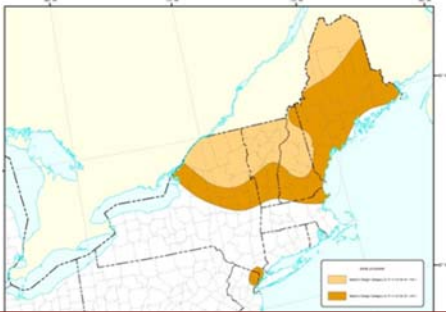
Principal of Simpson Gumpertz & Heger Inc.



# Potential Changes to Design Requirements for Earthquake Resistance and its Impact on Design Practice in New England

**ABSTRACT:** The Provisions Update Committee of the National Earthquake Hazards Reduction Program (NEHRP) is developing several proposals for change to seismic design provisions to be used in the U.S. These proposals are in various stages of development, but all have the potential to lead to changes to the seismic design provisions of ASCE/SEI 7 Minimum Design Loads for Buildings and Other Structures. This talk will describe several of the proposals that are being considered with a focus on those changes that likely will impact design practice in New England. These proposals include creation of design provisions that are applicable only to seismic design category (SDC) B buildings, revisions to the Simplified Seismic Design Procedure in ASCE/SEI 7, improved estimations of diaphragm force levels and ductility, a design approach applicable to buildings dominated by the response of a roof diaphragm, strength design for foundations, revised soil site factors, revised seismicity maps, and revisions to seismic design category criteria.

**Bio:** Dominic Kelly, P.E., Principal of Simpson Gumpertz & Heger Inc., is actively involved with ASCE/SEI 7 Seismic Code Committee, which is responsible for developing and maintaining seismic design provisions for the U.S. He is also a member of the NEHRP Provisions Update Committee (PUC) that develops seismic design provisions for Federal buildings and provides change proposals for ASCE/SEI 7 Seismic Code Committee's consideration. He is also a member of the American Concrete Institutes Building Code Committee (ACI 318) and its subcommittee for seismic design provisions. He has practiced as a professional engineer for more than 20 years with experience in New England and the West Coast.



**Wednesday, February 26, 2014**  
**6:30– 8:30 PM**  
**Northeastern University**  
**315 Shillman Hall**  
<http://www.northeastern.edu/campusmap/>