MONDAY, SEPTEMBER 21, 2015

8:30 a.m.  Registration and coffee
9:00 a.m.  Welcome and Introductory Remarks
           Anna H. Olsen, Applied Technology Council, Redwood City, California

Session 1: Seismic Hazard Products and Their Intended Users

9:15 a.m.  Uses of the National Seismic Hazard Model (NSHM)

9:30 a.m.  2014 National Seismic Hazard Model: Changes With Respect to the 2008 NSHM
           Mark D. Petersen, U.S. Geological Survey, Golden, Colorado
           (includes 15 minute question period)

10:30 a.m. Break

10:45 a.m. Products and Tools from the National Seismic Hazard Model (NSHM)
           Peter M. Powers, U.S. Geological Survey, Golden, Colorado
           (includes 15 minute question period)

12:00 p.m. Moderator Summary

12:05 p.m. Lunch

Session 2: Use of Seismic Hazard at Individual Sites
Moderator: C.B. Crouse, AECOM, Seattle, Washington

12:45 p.m. Moderator Introduction

12:50 p.m. New Building Design Perspective
           John D. Hooper, Magnusson Klemencic Associates, Seattle, Washington

1:05 p.m.  Use Of and Issues With USGS Seismic Hazard Parameters in ASCE 41
           Robert G. Pekelnicky, Degenkolb Engineers, San Francisco, California

1:20 p.m.  Utilization of Seismic Hazard Information from USGS National Seismic Hazard Mapping Project by DSA*
           Ronald W. LaPlante, California Division of the State Architect, San Diego, California

1:25 p.m.  Using ASCE 7-10 Performance Targets to Manage Seismic Risk in the Legal Arena*
           Mark N. White, Law Offices of Mark N. White, Berkeley, California

1:30 p.m.  Use of USGS Seismic Design Maps to Identify Earthquake Siting Risk for Utility-Scale Wind Turbines*
           Trevor R. Taylor, Vestas American Wind Technology, Portland, Oregon
1:35 p.m.  
*Interactive Seismic Mapping to Convey Risk to the Public*
Brittany Moffett and Anders Carlson, University of Southern California, Los Angeles, California

1:40 p.m.  
*Needs/Issues for Site-Specific Geotechnical Applications of the NSHMP Maps and Tools*
John A. Egan, SAGE Engineers, Oakland, California

1:55 p.m.  
*The Travails of the Average Geotechnical Engineer Using the National Seismic Hazard Maps*
Marshall Lew, AMEC Foster Wheeler, Los Angeles, California

2:10 p.m.  
Break

2:25 p.m.  
*Use of NSHMP Products for Site-Specific Hazard Analyses for Critical Structures*
Norman Abrahamson, Pacific Gas & Electric Company, San Francisco, California

2:40 p.m.  
*Use of USGS NSHMP products in USACE Dam and Levee Safety Programs and USACE Civil Works Projects*
Keith Kelson, U.S. Army Corps of Engineers, Sacramento, California

2:55 p.m.  
*Seismic Hazard for Commercial Nuclear Power Plants – Current Practice and Its Relationship to the NSHMP*
Robert Youngs, AMEC Foster Wheeler, Oakland, California

3:15 p.m.  
Open Discussion

4:10 p.m.  
Moderator Summary

4:15 p.m.  
Adjourn

* Informal talk

**TUESDAY, SEPTEMBER 22, 2015**

8:30 a.m.  
Registration and coffee

9:00 a.m.  
*Second-Day Welcome and Introductory Remarks*
Anna H. Olsen, Applied Technology Council, Redwood City, California

**Session 3: Use of Seismic Hazard at Distributed Sites**
Moderator: Chris D. Poland, Consulting Engineer, Canyon Lake, California

9:10 a.m.  
Moderator Introduction

9:15 a.m.  
*Caltrans Reliance on USGS National Seismic Hazard Mapping Program*
Tom Shantz, California Department of Transportation, Sacramento, California

9:35 a.m.  
*Use of Seismic Hazard Information in Water and Wastewater System Analysis*
Don Ballantyne, Ballantyne Consulting, Tacoma, Washington

9:55 a.m.  
*Seismic Hazard Analysis at the California Department of Water Resources*
Don F. Hoirup, Jr., California Department of Water Resources, West Sacramento, California

10:15 a.m.  
*Using Seismic Hazard Maps for PG&E Gas and Electric Systems*
Kent S. Ferre, Pacific Gas & Electric Company, San Francisco, California

10:30 a.m.  
Break
Use of USGS Seismic Hazard Data in the California High-Speed Rail Project
Kevin Thompson and Kenneth W. Campbell, California High Speed Rail Authority, Sacramento, California

Chris Salkeld, AT&T Technology Operations, San Ramon, California*

Open Discussion

Moderator Summary

Lunch

Session 4: Additional Uses of Seismic Hazard Information
Moderator: Janiele Maffei, California Earthquake Authority, Sacramento, California

The Science of Catastrophe Modeling: A Journey from Hazard to Risk
Maiclaire Bolton, CoreLogic, Oakland, California

USGS and AIR Worldwide: Leveraging Seismic Hazard as An Ingredient in Risk Modeling
C. Marc Ramirez, AIR Worldwide, San Francisco, California

Use of USGS Seismic Hazard Model in Catastrophe Modeling: RMS Perspective
Nilesh Shome, RMS, Newark, California

Current and Future Use of USGS Seismic Hazard Products at FM Global
Harold Magistrale, FM Global, Norwood, Massachusetts

Financial Sector
Charlotte Acton, RMS, London, England

Applying Seismic Hazard Information in Local and Regional Land-Use Planning
Laurie A. Johnson, Laurie Johnson Consulting | Research, San Rafael, California

2:45 p.m. The USGS National Seismic Hazard Mapping Project: Issues and Improvements*
Zhenming Wang, Kentucky Geological Survey, Lexington, Kentucky

2:50 p.m. Utilization of Seismic Hazard Information from USGS National Seismic Hazard Mapping Project by CGS in Project Review*
Jennifer Thornburg, California Geological Survey, Sacramento, California

2:55 p.m. Utilization of Seismic Hazard Information from USGS National Seismic Hazard Mapping Project by CGS in Loss Estimation, Hazard Zoning, and Scenario Development*
Rui Chen, California Geological Survey, Sacramento, California

3:00 p.m. Open Discussion

3:55 p.m. Moderator Summary

Workshop Summary and Concluding Remarks
Anna H. Olsen, Applied Technology Council, Redwood City, California

4:15 p.m. Adjourn

* Informal talk