

**AGENDA**  
**UTAH GROUND SHAKING WORKING GROUP**

Tuesday, February 12, 2008  
Utah Department of Natural Resources Building, Room 1060  
1594 W. North Temple, Salt Lake City

**7:30 Continental breakfast**

8:10 Introduction, overview of meeting, USGS-UGS cooperative agreement, review of last year's priorities

Ivan Wong and Gary Christenson

8:30 Technical presentations of work completed the past year

8:30 – Bill Stephenson and Rob Williams, USGS; 2007 USGS micro-tremor monitoring in Salt Lake and Utah Valleys and 2006 P-wave seismic imaging of the Wasatch fault

9:00 – Mark Petersen, USGS; Changes in Utah in the final 2007 National Seismic Hazard Maps and remaining B&R issues for future NSHM updates

9:30 – Updates (5-10 minutes each) – Projects nearing completion or on-going

- Kris Pankow and Jim Pechmann, UUSS; Site amplification and depth-to-bedrock from ANSS data
- Greg McDonald, UGS and Jim Bay, USU; Wasatch Front site-conditions map
- Ivan Wong and Jim Pechmann, UUSS; Earthquake source, path, and site parameters
- Bob Smith, UUSS, and Ralph Archuleta, UCSB; Update on Basin and Range activities

**10:15 Break**

10:30 Harold Magistrale and Kim Olsen, SDSU; Jim Pechmann, UUSS – Presentation and discussion of Wasatch Front community velocity model (CVM)

- Brief discussion of January 2008 Nevada/UNR CVM workshop
- Completion of CVM, new data, and improvements
- Verification
- Demonstration of capabilities and uses
- Technical review
  - Cross-basin profiles, geology, and Vs architecture
  - Characterization of R1, R2, and R3 (depth, Vs, etc.)
- Adequacy of data in SLV and other WF valleys for urban hazard maps?
- Expand CVM to basins to west and back-valleys to east?
- Transfer of CVM to UGS, USGS, and users.

**12:00 Lunch**

- 1:15 Discussion - Planning for development of Wasatch Front seismic hazard maps
- 1:20 Summary of seismic source characterization Gary Christenson
- 1:30 Site amplification model(s), form team(s) Ivan Wong
- 2:00 Plan for basin-effects modeling Jim Pechmann, Kim Olsen
- 2:30 Map preparation Mark Petersen

**3:15 Break**

- 3:30 Priorities for 2008 research
- 4:30 EERI 2009 Annual Meeting in SLC (February); possible collaboration with next year's working group meetings

**4:45 Adjourn**

Ground Shaking Working Group-Membership list

- Ivan Wong, URS Corporation, Facilitator
- Gary Christenson, UGS
- Walter Arabasz, UUSS
- Jim Pechmann, UUSS
- Kris Pankow, UUSS
- Bob Smith, UUSS
- Gerard Schuster, UUGG
- Kim Olsen, SDSU
- Harold Magistrale, SDSU
- Mark Petersen, USGS
- Bill Stephenson, USGS
- Jim Bay, USUCEE
- Marv Halling, USUCEE
- Francis Ashland, UGS
- Steve Bartlett, UUCE
- Kyle Rollins, BYUCE
- Ken Stokoe, UTA
- Wulung Chang, UUGG
- Greg McDonald, UGS
- Relu Berlacu, UUSS