

AGENDA

UTAH GROUND SHAKING WORKING GROUP

Wednesday, March 2, 2005
Utah Department of Natural Resources Building, Room 1060
1594 W. North Temple, Salt Lake City

- 7:30 Continental breakfast
- 8:15 Introduction, review of 2004 GSWG plan (Ivan Wong/Gary Christenson)
- 8:30 Technical presentations of work completed (~20 min. talk, 10 min. discussion)
- 8:30 – Francis Ashland, UGS; New SLValley site-conditions map
 - 9:00 – Mark Petersen, USGS; Brief summary of Bill Stephenson’s 2004 USGS intermediate-depth shear-wave seismic imaging
 - 9:15 - Jim Pechmann, UUSS – ANSS site-amplification studies
- 9:45 Break
- 10:00 Technical presentations of work completed (continued)
- 10:00 - Jim Bay, USU: Dynamic soil-property testing
 - 10:30 – Relu Berlacu, UUSS – Status of ANSS/SHAKEMAP in Utah
 - 11:00 – Brief updates (10 min. each): 1) Tim Carroll, USU – SHAKE models of shallow steep shear-wave-velocity contrasts, 2) Todd Bischoff, USU - CPT/shear-wave-velocity results, 3) Bill Lund, UGS – UQFPWG results.
- 11:30 Upcoming work funded or proposed for 2005 (~15 min. each)
- 11:30 - Harold Magistrale, SDSU; Wasatch Front community velocity model (CVM)
 - 11:45 - Jim Bay, USU; Utah, Weber, and Davis Counties SASW
- 12:00 Lunch
- 1:00 Upcoming work funded or proposed for 2005 (continued)
- 1:00 - Ivan Wong, URS, UU; UU ANSS attenuation project and PEER Next Generation of Attenuation Models results
 - 1:30 – Ron Bruhn, UUGG; Great Basin CFM-CVM w/ Bob Smith, NSF EarthScope
- 1:45 Discussion/revisions to 2004 plan
- Amount of new data needed for CVM – shallow (V_s30), intermediate, deep V_s
 - Adequacy of Arnou (R1)/Radkins (R2) maps
 - Need for NEHRP site-class map
 - Additional dynamic material properties testing
 - 3D modeling using CVM/use of ANSS data
 - Edge effects/directivity/attenuation
 - Additional USGS Wasatch Front studies
 - Needs to begin preparing Wasatch Front regional ground-shaking maps

- 3:00 Break
- 3:15 Discussion/revisions to 2004 plan (continued)
- 4:00 Identify and discuss priorities for 2006 studies
- Develop list of priorities
 - Possible NEESR mega-proposal (Ken Stokoe)
 - Possible UDOT funding through UTRAC
 - Future GSWG meetings
- 4:45 Basin and Range Earthquake Working Group (Bill Lund, Gary Christenson)
- 5:00 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

Jim Bay, USUCEE

Marv Halling, USUCEE

Francis Ashland, UGS

Steve Bartlett, UUCE

Kyle Rollins, BYUCE

Ken Stokoe, UT

Wulung Chang, UUGG

Others attending

Todd Bishoff, USU

Tim Carroll, USU

Mike Olson, UUCE

Bill Lund, UGS

Greg McDonald, UGS

Ronald Bruhn, UUGG

Relu Berlacu, UUSS