



**SECOND ANNOUNCEMENT
AND
LISTING OF PRESENTATIONS**

63rd Highway Geology Symposium

Redding, California · May 7-10, 2012

The **63rd Annual Highway Geology Symposium** will be held May 7-10, 2012, at the **Red Lion Hotel Redding, CA**. The California State Department of Transportation and the California Geologic Survey are sponsors of this event; there will be industry sponsors and exhibitors as well. The California State Department of Transportation is coordinating the symposium.

TRB SESSION

Design and Construction of Rockfall Mitigation Systems, JOHN D. DUFFY, PRESIDING

Preliminary List of Presentations and Lead Author's for HGS

Landslide

Case Studies in Innovative Roadway Landslide Repair and Rock Slope Stabilization in California, JAMES CHINCHIOLO

Impacts of the Double Draw Landslide (debris flow) in Wyoming's Snake River Canyon Lincoln County, Wyoming, KIRK HOOD

Effects of post fire debris flows on California State Route 395, geologic factors and assessment tools, JEREMY T. LANCASTER

Bear River Canal Repair Project, Colfax, California, DARREN A. MACK

Distribution of Weathered Geologic Bedrock Controls on Slope Movement, Green Point Sink, State Route 299, Humboldt County, California, DAWN MCGUIRE

Dani Creek Landslide: Soldier Pile Tieback Wall Design, Construction, and Instrumentation in Franciscan Mélange, RYAN TURNER

Estimating Landslide Losses to State Highways: a general approach for a winter storm scenario, CHRIS WILLS

I-40 landslide project with Tenn. DOT, HARRY MOORE

Rockfall

Case Histories on Mitigating Geologic Hazards in Mountainous Areas of California's Intrastate Highway System, BRANDON BADEKER

Rock Slope Protection and Rock mechanics, JOE BIGGER

Design Software for Secured Drapery, GHISLAIN BRUNET

Preliminary List of Presentations Cont.

Rockfall Cont.

Geologic Design of Supplemental Rock Anchors, Wurts Street Suspension Bridge, Kingston, NY,
PRISCILLA DUSKIN

Using Rockfall Analysis to Estimate Ditch Effectiveness, TOM ELIASSEN

*Rock Slope Protection Utilizing a New WSDOT Designed Post Supported Drapery System in
Conjunction with Traditional Stabilization Techniques,* MARC FISH

Case Study: West Virginia US Highway 19 'The Narrows' Rockfall Mitigation, MELISSA HILL

Cable Anchors versus Solid Bar Anchors in Rockfall Protection Systems, CHRIS INGRAM

Rockfall and Debris Flow Barrier Post Foundation Design, WILLIAM KANE

Using LIDAR in Highway Rock Cuts, NORBERT H. MAERZ

*Cascade Subdivision Mile 010.20: Rockfall analysis and protection of railway with ring net attenuator
and rockfall barrier,* TONY MORRIS

Research into and Application of Attenuator Rockfall Protection Systems, STEVE MUMMA

*Rockfall Mitigation for Conversion of a Contractor's Access Road to a Permanent Low-Volume
Roadway,* CHRIS RUPPEN

Design

Compliance with Load and Resistance Factor Design (LRFD), BLAISE HANSON

Rock-Socketed Shafts for the Bridge at Pitkins Curve, JOHN TURNER

Roadway

The Hyampom Road Project: Managing Geotechnical Risk in Difficult Mountainous Terrain, RICK
ANDREW

*Multifaceted Approach for Evaluating and Treating Sinkhole Activity beneath Highways – Case Study:
SR 0422 in Southeastern Pennsylvania,* JOESPH T. KRUPANSKY

Presidio Parkway Project Phase, TIMOTHY J. POKRYWKA

US 20 Simpson Creek Curves Realignment Lincoln County, Oregon, MICHAEL ZIMMERMAN

Site Investigation

Environmental and Geotechnical Drilling with Direct Push Technology, THOMAS DELZELL

*Practical Estimation of Mohr-Coulomb Shear Strength for Cemented Conglomeratic Deposits in the Arid
Western United States,* WILLIAM (CB) GATES

K-7 and I-70 Interchange in Bonner Springs, Kansas, KYLE HALVERSON

Measurement of Ground Movement During Seismic Event, PAT HIPLEY

Field Methods of Measuring Discontinuities for Rock Slope Stability Analysis on Price Mountain, VA,
TERRY WEST

Poster Sessions

Development of Mineral-Hazards Maps for Caltrans Districts and Highway Corridors, CALIFORNIA GEOLOGIC SURVEY

Lidar Survey for Landslide Mitigation Triage – Highway 299, Blue Lake to Willow Creek, Humboldt County, California, CALIFORNIA GEOLOGIC SURVEY

Caltrans Scaling Training Program, CALTRANS

Assessing Post Fire Land Sliding and Flooding along Highway Corridors, an Example from U.S. Highway 1, Monterey County, California, GEOLOGIC SURVEY

Room Reservations

The symposium will be held at the Red Lion Hotel in Redding, CA; the group rate is \$84 for a standard room (single) or \$94 (double). Lodging rates include “Roaring Start Buffet Breakfast” served daily from 6am to 9am. Attendees can make reservations by phone (800) RED LION (800) 733-5466, or online at [Highway Geology Symposium](#). To obtain the special rates specify that you are attending the Highway Geology Symposium. ***Please make reservations no later than April 23, 2012, to receive these reduced rates.*** If you have problems obtaining reservations please notify Bill Webster, Chairman of Local Arrangements, via e-mail Bill.Webster@dot.ca.gov or by phone (916) 227-1041.

Redding Area

Please come explore the beauty, history and energy of Redding, California. The hotel is conveniently located in Redding vibrant tourism and business district, within walking or short driving distance of many restaurants, the historic Cascade Theatre, Wine Tasting, Sculpture Park, Sundial Bridge, Turtle Bay Exploration Park and Bird Sanctuary and many other famous tourist attractions and entertainment venues including Whiskeytown Lake, located approximately 10 miles west of Redding, Shasta Dam and Lake, located approximately 15 miles north of Redding, Shasta Volcano located approximately 60 miles north of Redding and Lassen Volcanic National Park located approximately 47 miles east of Redding.

Symposium Organization

The Highway Geology Symposium was organized in 1950 to foster better understanding and closer cooperation between geologists and civil engineers in the highway industry. Since 1962, the Symposium has been hosted in western and eastern states on alternating years.

The Highway Geology Symposium has no central headquarters, annual dues, or formal membership requirements. The governing body is a steering committee composed of approximately 20 engineering geologists and geotechnical engineers from state and federal agencies, universities, private-sector companies, and consulting firms throughout the United States and Canada. Information about the Highway Geology Symposium Organization may be viewed at <http://www.highwaygeologysymposium.org/>.

Updated information about the 63rd HGS will be posted on the HGS website as it becomes available.