

Civil Source

ASCE Utah Section Newsletter

November 2010

PHOTO BY JIM GORDON

ASCE

American Society of Civil Engineers

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A MESSAGE FROM THE UTAH SECTION PRESIDENT



Micheal McKamey, PE,

Greetings fellow civil engineers and colleagues! As I contemplate this month's message, I am reminded of the need to recognize engineers for their outstanding service and accomplishments. We are surrounded by exceptional engineers and engineering educators and though it may not be in our nature to tout our successes or the successes of our colleagues, we are given the opportunity to recognize our peers once a year. This

is done quite simply within ASCE in three categories: Engineer of the Year, Engineering Educator of the Year, and Fresh Faces in Engineering. It is suggested that candidates are recognized at the local-branch levels first, after which, the award winners of each of the branches will then compete for top honors at the state-section level. Historically, the ASCE Utah section Engineer of the Year, Engineering Educator of the Year, and Fresh Face in Engineering are recognized at the Utah Engineers Council (UEC) banquet, held every year during Engineers Week in mid-February. These ASCE award winners will also go up against other award recipients of thirteen other professional engineering societies, which include all engineering disciplines.

Over the years, we have recognized many civil engineers, of which several have earned top honors at the

UEC event; most recently, Blaine Leonard was recognized as the Engineer of the Year in 2009. Please, let us thank and recognize those civil engineers that deserve recognition, with whom we work. With that, I send out a call for nominations for 2011 ASCE Engineer of the Year, Engineering Educator of the Year, and Fresh Faces in Engineering. Please send nominations to me or the other ASCE officers, whose contact information is enclosed. Let us recognize those around us that are so deserving of acknowledgment. Thank you for all that you do to help make this an honorable profession.

FIND US ON THE WEB AT [HTTP://SECTIONS.ASCE.ORG/UTAH/](http://sections.asce.org/utah/)

NORTHERN UTAH BRANCH BY MARVIN LEWIS

Our thanks go to Steve Barfuss and Bill Rahmeyer at the Utah Water Research Laboratory. They provided an interesting tour last month for us. We were able to see their reservoir channel model up close in the new facility and learn how to make a canal into a wave pool using only bridge piers. If you missed the tour but want to know more about the work the lab is doing, look them up on the web at uwrl.usu.edu.

Our next regular Northern Utah Branch meeting will also include an onsite tour. Danny Macfarlane of Civil Solutions Group, Inc. has agreed to talk about some of his recent work doing micro hydroelectric projects. On Thursday, November

11, we will meet at the Firehouse Pizzeria (33 East 600 South, Smithfield) at 12:00 pm for lunch and a short presentation. Then, if you have the time, Danny has arranged for a tour of a 4 kW micro hydroelectric plant a few minutes away in Smithfield Canyon.

Please, mark it on your calendar and plan to be there with us.

WASATCH FRONT BRANCH BY BRIAN WARNER

We would like to thank everyone that came to our luncheon in October for "The Utah Construction and Housing Economy and Outlook". This month's luncheon will follow that up by Kip Sheppard with Wasatch Advantage Groups who are property developers and property management group in the Western United States. He will discuss a developers outlook on the economic and how they are approaching it along future construction trends and how it may affect engineers.

We also note there are a lot of ways we as engineers can become involved with the community. ASCE has a program called Key Contact (govwash@asce.org and www.asce.org/keycontacts)

which is a grassroots advocacy program which will keep us informed of the political issues that may affect us as engineers. Also, there is a mentoring program (www.asce.org/mentoring) where new and experienced engineers can get involved. We as engineers design for the future and the more we are involved in the community the more we can lead and not be forced to follow. If there are any questions, comments or recommendations please contact Paul Barney (Paul.Barney@jacobs.com) or me (briwar@hotmail.com). Thank you.

SOUTHERN UTAH BRANCH BY BOB LAMOREAUX

There is no update this month.

CENTRAL UTAH BRANCH BY ERIC DIXON

We would like to thank Mr. Blaine Leonard, P.E., the current ASCE National President, for the excellent presentation he gave at our October luncheon. It was very informative to see the direction and vision ASCE has as we move forward to meet current and upcoming engineering challenges. We would also like to thank the BYU Civil Engineering Department for incorporating our luncheon into the 2010 Life-Long Learning Conference.

We are still coordinating when the November/December branch luncheon will be. Watch your e-mail for details as they become available.

YOUNGER MEMBER FORUM BY TOM STILES

There is no update this month.

GEOTECHNICAL GROUP

There is no update this month.

Utah Section	President Micheal McKamey, P.E. Ovivo USA micheal.mckamey@vivowater.com 801.931.3305	President-Elect Matt Roblez, P.E. McNeil Engineering matt@mcneileng.com	Secretary-Treasurer Aaron Cook CH2M Hill acook2@ch2m.com	Past President Matt Sibul, P.E. Utah Transit Authority msibul@rideuta.com 801.236.4731
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A New EERI Technical Seminar Funded by FEMA/Department of Homeland Security

FEMA 547: Techniques for the Seismic Rehabilitation of Existing Buildings

Find out about the most effective and useful seismic rehabilitation techniques on a range of model building types. FEMA 547 incorporates the research that is most relevant to practicing engineers.

Seminar presenters are the lead authors of FEMA 547:

- William Holmes
Rutherford & Chekene
- James Malley
Degenkolb Engineers
- Bret Lizundia
Rutherford and Chekene
- Kelly Cobeen
Wiss Janney Elstner

Attendees receive a CD of FEMA 547 and a notebook of seminar presentations plus earn 0.6 Continuing Education Units.

Register online at www.eeri.org or complete the reverse side.

2010 Seminar Dates/Locations

Thursday, October 28:
San Francisco, California
Thursday, November 4:
Seattle, Washington

Friday, October 29:
Los Angeles, California
Friday, November 5:
Salt Lake City, Utah

Program (9:00 a.m. – 4:30 p.m.)

Background, Development, Organization and Overview of FEMA

547: This document supersedes *FEMA 172, NEHRP Handbook of Techniques for the Seismic Rehabilitation of Existing Buildings*, published in 1992. Since then, many rehabilitation techniques have been developed.

Seismic Vulnerability: Seismic evaluation methods and standards, and categories of seismic deficiencies.

Seismic Rehabilitation: Criteria and standards, classes of measures, and strategies to develop rehabilitation schemes.

FEMA Model Building Types: Development and description of 16 model building types.

Multistory Multi-Unit Residential Woodframes

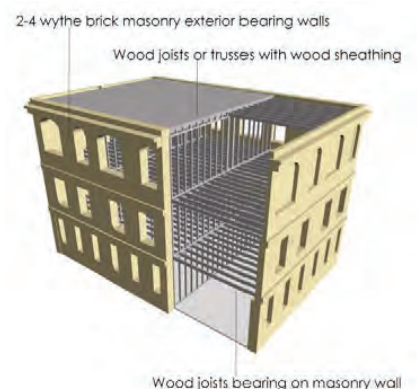
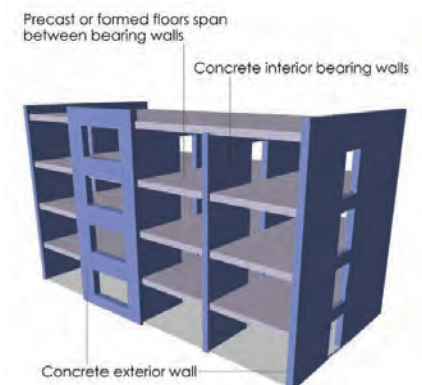
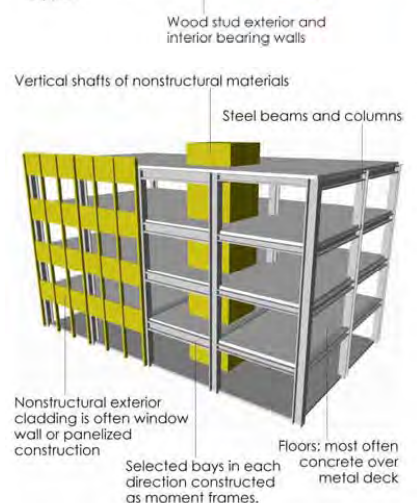
Steel Moment Frames

Cast-in-Place Concrete: Moment frames; bearing-wall and gravity-frame systems.

Unreinforced Masonry Bearing Wall Buildings

Diaphragm Rehabilitation Techniques

Foundation Rehabilitation Techniques



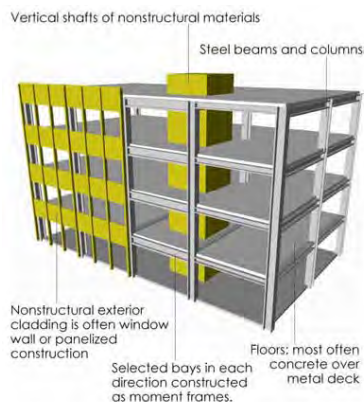


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REGISTER FOR THE 2010 SEMINAR on FEMA 547: Techniques for the Seismic Rehabilitation of Existing Buildings

COSPONSORS:

The Northern and Southern California Chapters of EERI
ASCE Sections: Los Angeles, San Francisco, Seattle, and Utah
Structural Engineers Associations of
Northern California, Southern California, and Washington

Fee includes lunch and a notebook of seminar presentations.

Members of (circle one): EERI, ASCE, SEAOC, SEAW, SEAU: \$225___

EERI Subscribing Members: \$200___

Non-Members: \$300*___

EERI Student†/Young Professional/Retired Members: \$125___

Complete this form or register online at www.eeri.org.

Parking information is online.

- ☐ I wish to attend the **October 28** San Francisco seminar:
Sir Francis Drake Hotel (Union Sq.), 450 Powell St., San
Francisco, CA 94102, web <http://www.sirfrancisdrake.com/>, Tel. 415/392-7755
- ☐ I wish to attend the **October 29** Los Angeles seminar: Los
Angeles Airport Marriott Hotel, 5855 West Century Blvd.,
Los Angeles, CA 90045, web <http://www.marriott.com/hotels/travel/laxap-los-angeles-airport-marriott/>, Tel. 800-228-9290
- ☐ I wish to attend the **November 4** Seattle seminar: Red Lion
Hotel, 1415 5th Ave., Seattle, WA 98101, web <http://www.seattleredlionfifthavenue.com/>, Tel. 206/971-8000
- ☐ I wish to attend the **November 5** Salt Lake City seminar:
Hilton Salt Lake City Center, 255 S. West Temple, Salt Lake
City, UT 84101, web www.Hilton.com/SaltLakeCityCenter,
Tel. 801/328-2000

***NEW MEMBERS:** JOIN EERI TODAY—Pay an introductory rate of only \$150 for 2011 membership (regular dues are \$250) and save \$75 on seminar registration (for a total savings of \$175): ☐ **I wish to join** (enclose total \$375).

†STUDENTS: JOIN EERI TODAY—Save \$175 on registration and pay only \$50 for regular student membership or \$25 for e-student membership: ☐ **I wish to join** (enclose total \$175 or \$150 for e-students). (If this option is chosen, you will receive a form requiring the signature of a school's professor or officer certifying student status.)

TOTAL AMOUNT ENCLOSED_____ (LATE FEE \$25)
(**ADD \$25** if received less than two weeks before the seminar you are attending.) If you cancel your registration one week or more before the seminar, your refund will be subject to a \$15 fee for handling. There will be a substantial penalty for cancellations made less than a week before the seminar.

Name

Affiliation

Daytime phone

Fax number

☐ Check/money order enclosed (U.S. dollars)

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PLEASE MAIL OR FAX THE COMPLETED FORM TO: EERI, 499 14th Street, Suite 320, Oakland CA 94612-1934 USA
Phone (510) 451-0905; Fax (510) 451-5411; e-mail: eeri@eeri.org; web site: <http://www.eeri.org> (Please fax only if paying by credit card)

FROM DISCOVERY CHANNEL'S EVEREST: BEYOND THE LIMIT...



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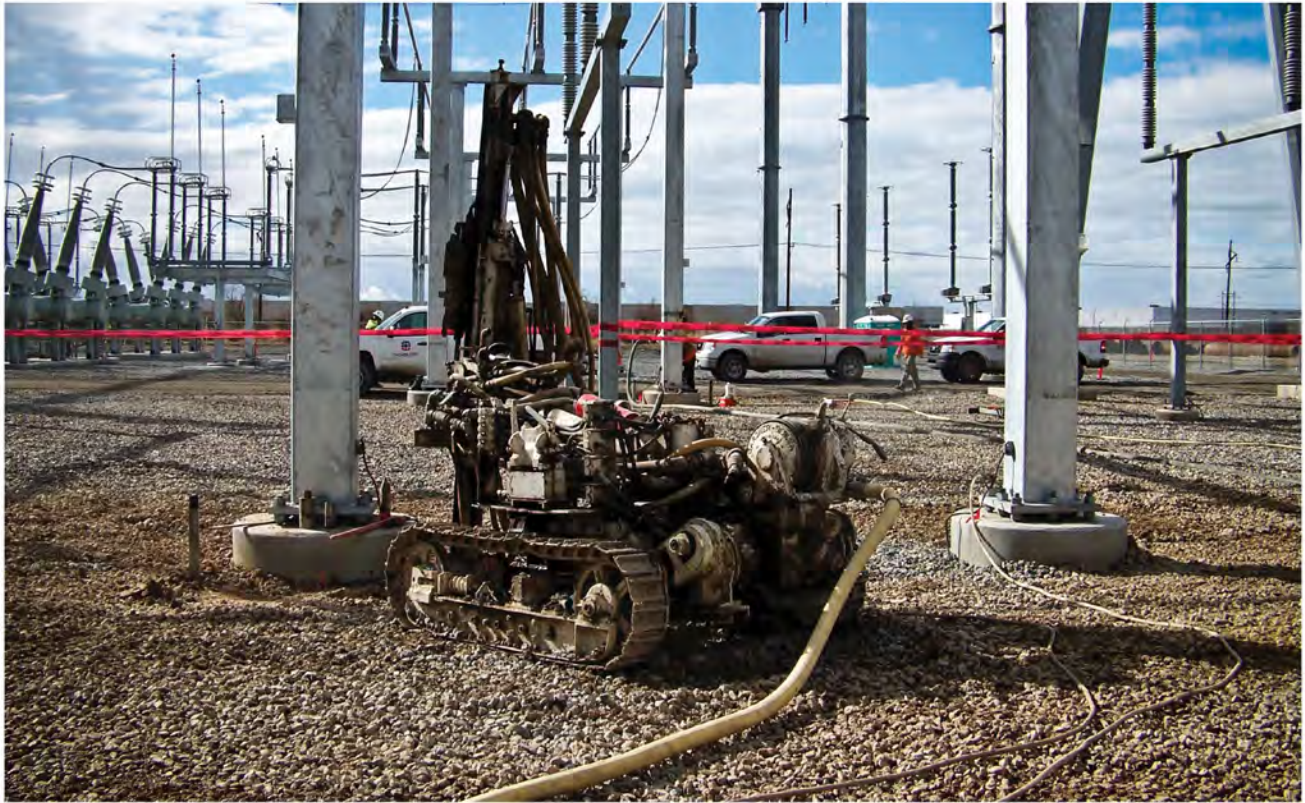
He'll share his experiences in overcoming challenges, leading teams, and achieving goals
in the world's highest mountains.

December 16, 7:00 PM • Southtowne Expo Ctr

Free for APWA / ASCE members, refreshments served

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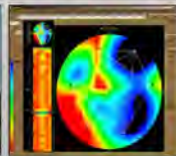
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The *Civil Source* is published on the 1st of each month. If you have something you want to include, please contact me.

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