



Section/Technical Groups Dinner Meeting

Thursday, September 20, 2007

Social Hour: 5:45 pm
Dinner: 6:30 pm
Announcements: 7:15 pm
Technical Group Meetings: 7:30 pm
(See Page 3 for Technical Group meeting programs)

Crowne Plaza Denver (formerly Holiday Inn Denver City Center)
✧ 1450 Glenarm Place (Glenarm at 15th) ✧ Denver ✧

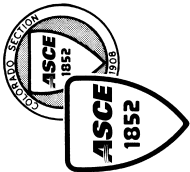
\$25.00 per person \$5.00 for students
(Pay on site - cash or checks payable to Colorado Section ASCE)

Make Reservations by Noon Monday, September 17, 2007:

- ☎ Leave a voice reservation on ASCE's answering machine at **303-756-9777** ☎
- ☎ Or send an E-mail message reservation to coloradoasce@qwest.net ☎

→ Please indicate the Technical Group session you plan to attend and spell your last name ←

President's Message...



Welcome Back, I hope that everyone had a great summer and is rested, relaxed and ready for another great year of ASCE with the Colorado Section.

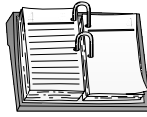
This past month has been an interesting and challenging time for civil engineers with the renewed focus on our aging infrastructure and its impact to our communities. The tragic loss of life and horrific images of the I-35 W bridge collapse in Minneapolis have brought the spotlight on infrastructure and a lot of questions from the public. It will be sometime before the investigation into the failure is completed, but as others speculate on the cause and what should have been done to prevent it we as civil engineers need to work to prevent these tragedies from continuing and to bring the proper issues to the spotlight. For our message to be heard we must share the facts about infrastructure, without creating panic and undue fear for the public.

The 2005 ASCE Report Card on infrastructure systems assigned an overall grade of D for the U.S. The 2003 Colorado Report Card was not much better, giving Colorado a grade of C+, which is expected to become a C by 2010. The national report card notes that we need to spend \$1.6 trillion dollars over the next 5 years just to maintain our infrastructure. Bridges alone are estimated to need \$9.4 billion a year for the next 20 years to eliminate all deficiencies. As Civil Engineers we must take responsibility for informing the public about the needs and insuring that this looming crisis does not become a catastrophe.

This is my final President's message, and I want to thank all of the people that made this a successful year. I look forward to handing the gavel over to Matt McDole and also assuming my new role of past president.



Edward Stafford



News & Notes...

John Guenther Is New Structural Group Chair...

John Guenther, PB (Parsons Brinckerhoff), is the new Structural Technical Group Chair. His contact information is shown to the right as part of the Colorado Section Leadership Roster.

John succeeds Taka Kimura, also of PB, who served as Structural Chair since September 2001. Taka has relocated to PB's Honolulu office to work on the EIS and preliminary engineering for a high capacity transit system being planned for the Island of Oahu. Although a bit sad to leave Denver, Taka and his wife both are from there and are excited to be able to spend more time with their families.

Thanks for stepping forward, John, and thanks to you, Taka, for six years of such exceptional service to the Colorado Section ASCE and the profession in Colorado!

Distinguished Member Status Replaces Former Honorary Member...

ASCE's recent national election resulted in approval of the ballot initiative on "Distinguished Member" replacing the former "Honorary Member." 83.4% of those voting approved the change. As a constitutional amendment, the measure required approval by a two-thirds majority. It revises the title of the grade of Honorary Member to Distinguished Member and adds the grade of President-Emeritus. The bottom line of this change is that word usage changes over time. In contemporary usage, the term Honorary Member no longer conveys what it once did. Especially among the perceptions of those who are not particularly involved in the Society, the term Honorary Member often is interpreted as meaning "conferred or elected in recognition of achievement without the usual prerequisites or obligations" – the exact opposite of the recognition the name intended to convey.

Laura LaRiviere Elected New Colorado Section ASCE Secretary...

The Colorado Section ASCE's official ballot conducted last May elected Laura LaRiviere as the new Secretary effective October 1, 2007. The ballot also elected Matt McDole as President and Jeff May as Vice President. Brian Wiltshire continues in his second year as Treasurer.



Colorado Section Leadership Roster 2006-2007

PRESIDENT: Edward Stafford
720-898-7745 estafford@ci.arvada.co.us

VICE PRESIDENT: Matt McDole
303-537-3740 mmcdole@e-470.com

SECRETARY: Jeff May
303-480-6746 jeff.laurel.may@gmail.com

TREASURER: Brian Wiltshire
303-721-1447 brian.wiltshire@fhueng.com

IMMEDIATE PAST PRESIDENT: Christoph Goss
303-651-1468 christoph.goss@deereault.com

GEOTECHNICAL TECHNICAL GROUP CO-CHAIRS:
Steve Bryant
615-885-3351 steve.bryant@psiusa.com
Joels Malama
303-423-3300 jcmalama@terracon.com

STRUCTURAL TECHNICAL GROUP CHAIR: John Guenther
303-920-4624 guenther@pbworld.com

TRANSPORTATION TECHNICAL GROUP CHAIR:
Mel Dahlberg
303-799-5103 mdahlberg@bhinc.com

**WATER RESOURCES & ENVIRONMENTAL
TECHNICAL GROUP CO-CHAIRS:**
Amber Fuxan
720-480-8459 amber.fuxan@enghydro.com
Steve Lowry
303-797-5052 slowry@jfsato.com

Committee Chairs & Special Contacts

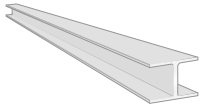
ASCE Region 7 Governors -		
	Jacqueline Arcaris	303-980-3530
	Tom Chapel	970-223-9600
	Vaughan Griffiths	303-273-3669
Awards	Sharon Wilson	303-690-0453
CEC Rep. & Partnering	Laura LaRiviere	303-237-6601
Constitution & By-Laws	Vaughan Griffiths	303-273-3669
History & Heritage	Dick Wiltshire	303-445-3042
Legislative &		
Government Affairs	Steve Fisher	303-312-8849
Membership	Open	
Nominating	Christoph Goss	303-651-1468
Northern Branch President -		
	Amber Kauffman	970-484-7477
Southern Colorado Branch President -		
	Rob Leverington	719-543-5300
Student Chapter Affairs	Edward Stafford	720-898-7745
Web Master	Dale Meck	303-883-2247
Younger Member Group	Colin Haggerty	303-390-9096

Colorado Section ASCE Office

Rich Bogdanovich P.O. Box 101085
303-756-9777 Denver, CO 80250-1085
coloradoasce@qwest.net

Section Web Page: <http://sections.asce.org/colorado>

Colorado Section ASCE NEWSLETTER is published 9 times per year, monthly September through May.



Structural Group Meeting

Jim Fabinski, General Manager of EnCon Colorado located in Denver, will discuss **various topics related to precast girders**. Colorado has been a leader in the design and construction of prestressed concrete girder bridges for decades. Colorado builds more prestress girder bridges than any other type of construction. Good design and detailing of girders can save substantial time and cost on bridge projects. This brief discussion aims to shed light on several of the issues facing designers and girder fabrica-tors. Topics to be discussed include design considerations for skewed box and U-girders, efficient strand placement, emerging technology for spliced girder bridges, the accuracy of camber predictions and lateral stability of long span bulb tee girders.



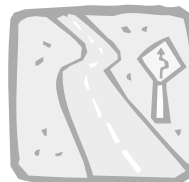
Environmental & Water Resources Group Meeting

Mark Glidden, PE, CH2M Hill, and **Alan Taylor**, PE, CFM of Alan Taylor Consulting LLC and retired floodplain manager with the City of Boulder, will be presenting on the **findings of the controversial South Boulder Creek Flood Mapping Study** that applied advanced techniques in floodplain management. The study employs the use of DHI's MIKE FLOOD linked one-dimensional and two-dimensional model to identify flooding in the area known as the West Valley. West Valley flooding was previously unidentified on the Flood Insurance Rate Map where hundreds of residential structures have been built over the last 30 years without flood protection measures. The South Boulder Creek Flood Mapping Study was initiated to accurately determine and assess the flood hazard in east Boulder. It was intended to "define the flood problem" to educate the public and provide a framework for local floodplain regulation, federal flood insurance ratings and future floodplain management and mitigation planning. The study included a complete online resource atlas, updated climatology and hydrology, new hydraulic modeling for multiple storm scenarios and detailed risk assessment. The study process was designed around public input and related concerns and involved extensive community outreach and participation. The South Boulder Creek Flood Mapping Study far exceeded the standard approach to technical flood studies and demonstrates the use of cutting-edge technology and community interaction in the field of floodplain management.



Geotechnical Group Meeting

James Niehoff, PE, Chief Engineer with Professional Service Industries, Inc., will discuss **geotechnical challenges and opportunities in Hawaii**. Subsurface conditions beneath the Hawaiian Islands are extremely variable and often poor. Due to Hawaii's isolated location and the provincial attitudes of local geotechnical engineers and building officials, approaches to foundation design to address these conditions have been very limited in the past. Through a series of case histories, James will illustrate how a series of "new" site preparation and foundation techniques have resulted in significant cost savings for recent high rise developments on the islands of Oahu and Maui. James has over 30 years of experience as a consulting geotechnical engineer. He is currently Chief Engineer and manager of the Special Geotechnical Services Group for Professional Service Industries. In this role, he consults on large and complex projects throughout the United States, Mexico and the Caribbean. He is the author of over a dozen technical articles and papers and served as an editor for the Journal of Geotechnical and GeoEnvironmental Engineering for 10 years. He is currently a member of the Deep Foundations Committee of the Geo-Institute.



Transportation Group Meeting

There will be no Transportation Group break-out in September. Please attend one of these interesting programs announced on this page.

Please Note:

The former Holiday Inn Denver City Center has a new name. It's now the **Crowne Plaza Denver**. Same hotel, just a different name!

ASCE's PR University Offers Communications Help

In the aftermath of tragedies like the bridge collapse in Minnesota, members of the public immediately turn their attention to the safety and security of infrastructure in their local communities. As a result, the news media often seek experts from the local and national engineering community to put these issues in context. Given the visibility of ASCE's Report Card for America's Infrastructure and the many local Report Cards ASCE Sections and Branches have put together, the news media often turns to ASCE for help in identifying those experts.

ASCE has long assisted in the training of its members in how to speak with the media and to reinforce key messages on behalf of ASCE. Recent events further reiterate the importance of public relations at the local level to work with the media in a crisis. ASCE has recently developed PR University – a toolkit and training session to help our Section and Branches in their public relations efforts. For those of you interested in learning more about incorporating PR efforts into your group's activities, ASCE strongly suggests you look into getting involved with this new program. The workshop will be held Friday, November 9, 2007, in Washington, DC. For more information and to apply, please visit www.asce.org/prtoolkit. Alternately, please contact Katie Gorscak, Communications Manager, ASCE, 1801 Alexander Bell Drive, Reston, VA 20191, kgorscak@asce.org, 703-295-6409, Fax: 703-295-6491.

Colorado Ground Water Management Policy Forum

Focus on Legal and Institutional Opportunities for Aquifer Recharge and Storage

DoubleTree Hotel
Colorado Springs, CO

Thursday, September 27, 2007 and/or
Friday, September 28, 2007

For complete information go to

<http://www.agwt.org/workshops.htm>

Younger Member Group

The YMG is looking forward to a great fall. We are participating in the Urban Peak Dinner Volunteering and CABPES (teaching Civil Engineering to high school students).

The 6th Annual Colorado Section ASCE Golf Tournament was a great success with over a hundred golfers and a grand prize of two airline tickets courtesy of Southwest Airlines. The YMG is excited that the tournament brought in over \$2,000 for student scholarships, and we're thankful to the Section members who continue to make the tournament a success. Our summer picnic went pool side, and our Volleyball team the "Ditch Diggers" played valiantly in their annual tournament.

We are continuing to plan monthly happy hours, trips to sporting events, technical meetings, museum exhibits and many other activities. Upcoming activities include volunteering with local organizations, technical seminars and happy hours. If you would like to present a project or provide a demonstration to the Younger Member Group, please contact Haggerty@pbworld.com.

Come join us at any of our upcoming events! We are also looking for a several officers to help us with our organization. Please visit our web site at

www.ASCEcoloradoYMG.org

and click on the "Newsletter" tab for information on current events.

Newsletter Goes All Electronic

Beginning with this September 2007 issue, the Colorado Section ASCE Newsletter is being published only in an electronic format. Nine months a year, September through May, it is posted to the Section's web site as a pdf document. You can read it online or print it out if you want a hard copy.

In addition, about two weeks before each monthly Section meeting, a reminder email goes out to all Section members for whom the national ASCE database has an email address. This email announces the upcoming meeting, briefly describes the technical breakouts and provides links to both the online newsletter and for registering for the meeting.

Be sure ASCE has a good email address for you. Call 800-548-ASCE (2723) to update their records.