



Volume 8, Number 8

November 2005

## Section/Technical Groups Dinner Meeting

Thursday, November 17, 2005 (We're back to the 3<sup>rd</sup> Thursday!)

Social Hour:	5:45 pm
Dinner:	6:30 pm
Business Meeting:	7:30 pm
Technical Group Meetings:	7:45 pm

(See Page 3 for Technical Group meeting agenda)

**Holiday Inn Denver Downtown (Note: New permanent location for '05-'06)**  
 ✧ 1450 Glenarm Place (Glenarm at 15<sup>th</sup>) ✧ Denver ✧

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

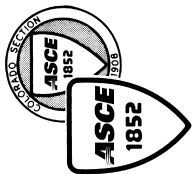
**Make Reservations by Noon Monday, November 14, 2005:**

☎ Leave a voice reservation on ASCE's answering machine at **303-756-9777** ☎

✉ Or send an E-mail message reservation to **colasce@attglobal.net** ✉

→ Please indicate the **Technical Group** Session you will be attending and **spell your last name** ←

## President's Message...Engineers Contribute to the Quality of Life



As we approach the end of November, our thoughts turn to Thanksgiving. By that I mean not only the delightful food related holiday but also the reflection of the many good things in our lives. I think that civil engineers in particular find it easy to be thankful because good things, things that benefit our society, are in the front of our minds everyday. Through our work we provide the infrastructure that creates the quality of life.

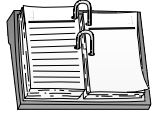
Perhaps it is on the smallest scale that this quality of life improvement is the most perceptible. We might be involved here in improving traffic flow on a highway or increasing the capacity of a water treatment plant, but by providing water to a community in the first place we see the most dramatic results. This brings me to Engineers Without Borders – USA (EWB), a partnership of engineers and students dedicated to bringing sustainable critical infrastructure to those communities that need it most. Recent projects include a village water supply in El Salvador and a crop water storage basin in Mali. See their website at [www.ewb-usa.org](http://www.ewb-usa.org) for more details.

EWB has strong connections with ASCE nationally and here in Colorado. EWB was started by Bernard J. Amadei, Ph.D., professor of civil engineering at CU-Boulder, and has its headquarters in Longmont. Recently, ASCE nominated Dr. Amadei for the 2005 Hassib J. Sabbagh Award from the World Federation of Engineering Organizations. He was selected and received the award on October 20, 2005. At our November Colorado Section meeting, you will have the opportunity to learn more about EWB and perhaps become involved. Representatives from EWB will have an information booth and will present a brief overview and project update after dinner. I hope to see many of you there.



**Christoph Goss**

## News & Notes...



### New Webmaster for Colorado Section ASCE...

A big welcome and thank you to Dale Meck, our new Webmaster. His skills and enthusiasm will be an integral part of our website overhaul process. Also a big thank you to Jim Gill who served as our Webmaster for many years.

### Section Member Authors New Book On "Engineering Legends: Great American Civil Engineers"...

Rich Weingardt, PE, Hon. M. ASCE, and member of the Colorado Section ASCE, has written another great book of our profession. *Engineering Legends: Great American Civil Engineers*, ASCE Press, ISBN 0-7844-0801-7, explores the personal lives and professional accomplishments of 32 great American civil engineers from the 1700's to the present. The book provides an in-depth look at the people behind remarkable engineering achievements. To order the book, either call ASCE's Order Fulfillment Department at 1-800-548-2723 or order from the Web via <http://www.pubs.asce.org/>. You can contact Rich at (303) 671-7033, ext. 13.

### To Get Your Section E-mail, ASCE MUST Have A Correct E-mail Address...

If you are a member who has paid voluntary Local Section dues, a Life Member, or a Student Member, the Colorado Section ASCE E-mails you a monthly dinner meeting announcement with links to both the full online newsletter and the E-mail reservation system. Anyone in these categories not having an E-mail address gets a hard copy newsletter mailed to them.

The system uses whatever E-mail address the official ASCE database has for you. If that address is not correct, you simply will miss these E-mails.

Please make sure ASCE's database has your correct current E-mail address. You can verify or change this information by either calling ASCE at 800-548-ASCE (2723) or accessing your member profile online at [www.asce.org/myprofile](http://www.asce.org/myprofile).

## Get Your Monthly Newsletter & Meeting E-mails

## Keep Your E-mail Address Up To Date With ASCE!



## Colorado Section 2005-2006 Leadership Roster

<b>PRESIDENT:</b> 303-651-1468	<b>Christoph Goss</b> <a href="mailto:christoph.goss@deereault.com">christoph.goss@deereault.com</a>
<b>VICE PRESIDENT:</b> 720-898-7740	<b>Edward Stafford</b> <a href="mailto:estafford@ci.arvada.co.us">estafford@ci.arvada.co.us</a>
<b>SECRETARY:</b> 303-537-3740	<b>Matt McDole</b> <a href="mailto:mmcdole@e-470.com">mmcdole@e-470.com</a>
<b>TREASURER:</b> 303-980-3530	<b>Jacqueline Arcaris</b> <a href="mailto:Jacqueline.Arcaris@tteci.com">Jacqueline.Arcaris@tteci.com</a>
<b>IMMEDIATE PAST PRESIDENT:</b> 303-858-8008	<b>John Gormley</b> <a href="mailto:gormleyjt@msn.com">gormleyjt@msn.com</a>
<b>ENVIRONMENTAL TECHNICAL GROUP CO-CHAIRS:</b>	
303-477-6610	<b>Judy Hamilton</b> <a href="mailto:judham@privatei.com">judham@privatei.com</a>
303-245-6410	<b>Cheryl Kramer</b> <a href="mailto:cakramer@fs.fed.us">cakramer@fs.fed.us</a>
<b>GEOTECHNICAL TECHNICAL GROUP CO-CHAIRS:</b>	
303-534-5789	<b>Minal Parekh</b> <a href="mailto:mparekh@LymanHenn.com">mparekh@LymanHenn.com</a>
303-642-9581	<b>Bill Zietlow</b> <a href="mailto:bill@iserengineering.com">bill@iserengineering.com</a>
<b>STRUCTURAL TECHNICAL GROUP CHAIR:</b> 303-390-5861	<b>Taka Kimura</b> <a href="mailto:kimura@pbworld.com">kimura@pbworld.com</a>
<b>TRANSPORTATION TECHNICAL GROUP CO-CHAIRS:</b>	
303-480-6746	<b>Jeff May</b> <a href="mailto:jmay@drco.org">jmay@drco.org</a>
303-721-1440	<b>Michelle Stevens</b> <a href="mailto:michelle.stevens@fhueng.com">michelle.stevens@fhueng.com</a>
<b>WATER RESOURCES TECHNICAL GROUP CHAIR:</b> 303-797-5052	<b>Steve Lowry</b> <a href="mailto:slowry@jfsato.com">slowry@jfsato.com</a>

### Committee Chairs & Special Contacts

ASCE District 16		
Council Delegate	Dan Overton	970-223-9600
Director	Stein Sture	303-492-7651
Awards	Sharon Wilson	303-757-9337
Constitution & By-Laws	Vaughan Griffiths	303-273-3669
History & Heritage	Dick Wiltshire	303-445-3042
Legislative &		
Government Affairs	Steve Fisher	303-312-8849
Life Member Forum	David Day	303-694-2948
	Kurt Gerstle	303-492-6383
Membership	Reid Tucker	303-292-5056
Nominating	John Gormley	303-858-8008
Northern Branch President -		
	Chris Pauley	970-226-0120
Partnering	Chuck Childs	720-540-6800
Southern Colorado Branch President -		
	Travis Boone	719-531-0001
Student Chapter Affairs	Edward Stafford	720-898-7745
Web Master	Dale Meck	303-480-1700
Younger Member Group	Laura Conyers	303-264-1024

### Colorado Section ASCE Office

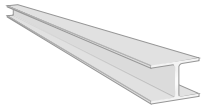
Rich Bogdanovich P.O. Box 101085  
303-756-9777 Denver, CO 80250-1085  
[colasce@attglobal.net](mailto:colasce@attglobal.net)  
**Section Web Page:** <http://sections.asce.org/colorado>

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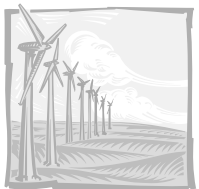
## Transportation Group Meeting

**Alex Ariniello**, President, LSC Transportation Consultants, Inc., will highlight the **challenges and the opportunities associated with the development of a particularly interesting multi-lane roundabout project** through the planning and design. As roundabouts are emerging as a beneficial and safer alternative to signalized intersections across America and throughout the State of Colorado, proper design of a roundabout is critically important to the engineering profession to continue this trend. During his career, Alex has managed several single and multi-lane roundabout projects.



## Structural Group Meeting

**Elie Homs**i, Vice President, Engineering Services, Flatiron Constructors, Inc. in Longmont, will explore the **different equipment and methods used in the construction of precast segmental bridges** highlighting each method's advantages, disadvantages and limitations. The presentation will also discuss the factors that influence the equipment selection and will include numerous graphics, animations and photos illustrating the different methods.



## Environmental Group Meeting

**Theresa Stevens Savery**, US Forest Service, will discuss the **Lefthand Canyon Off-Highway Vehicle (OHV) Area**. This area had become an environmental problem from the un-managed use by OHV's of the 4WD roads and motorized trails. There had been considerable damage to a meadow along FR 286 that became known as the "playground." There were erosion and sedimentation problems, large erosion ruts, severe switch-back damage, and obliteration of vegetation creating large gullies. The "playground" has been successfully rehabilitated and re-vegetated. Soil erosion and sedimentation of Lefthand Creek has decreased dramatically.

## Geotechnical Group Meeting



**Al Kiene**, an engineer with the **Bureau of Reclamation**, will present the **dam modifications recently completed on Horsetooth Dam** above Fort Collins. Al will discuss the observations that led to the decision to modify the dam, with emphasis on discussion of repairs to a sink-hole observed on the upstream left abutment toe. Al will present observations from instrumentation, such as piezometers, and seepage measurements made prior to and after completion of the modifications. Al has approximately 24 years of experience in analyzing and designing embankment dams with the Bureau of Reclamation as well as experience with dam construction with the Corps of Engineers.

## Water Resources Group Meeting



A panel of people active in water resources development will discuss **Water Resource Development in Developing Countries** and will 1) compare and contrast approaches; 2) discuss what works and what doesn't work; 3) describe the challenges and the rewards; and 4) review the past and predict the future. The links among development abroad and peace and security at home are a timely topic. **Kari Leech** will represent Engineers Without Borders (EWB), **Nancy Stewart** will represent Water for People (WFP) which is associated with AWWA, and **Phil Hall, Steve Lowry** and **Pete Rogers** will represent Returned Peace Corps Volunteers (RPCV). EWB works worldwide, and Kari is currently working on a project in Haiti. WFP runs programs in Bolivia, Guatemala, Honduras, India and Malawi. The RPCV's represent Ecuador, Honduras, and Botswana. Come hear why water resources development is truly the oldest profession in the world.

## Does ASCE have your correct contact info in its database?

Make updates at [www.asce.org/myprofile](http://www.asce.org/myprofile)  
or  
call 1-800-548-ASCE (2723).

## Upcoming ASCE Continuing Education Seminars In Colorado

National ASCE's Continuing Education Department will be holding three seminars in Colorado in November thru January. These are in-depth, practice-oriented programs. For detailed seminar descriptions by title visit ASCE's website [www.asce.org/conted/seminars](http://www.asce.org/conted/seminars).

If you have questions or need assistance, contact Kelly Jarvis, Continuing Education Registrar, at [kjarvis@asce.org](mailto:kjarvis@asce.org). The three seminars are:

Wednesday thru Friday, Nov. 30 - Dec. 2, 2005  
Introduction to the Design & Construction of Tunnels  
(Geotechnical)  
Denver

Thursday & Friday, Jan. 19-20, 2006  
Probabilistic Methods  
(Structural)  
Colorado Springs, CO

Thursday & Friday, Jan. 26-27, 2006  
Advanced Detention Routing: Improving the Operation  
& Effectiveness of Detention Facilities  
(Hydraulics and Water Resources)  
Colorado Springs, CO

## Younger Member Group

The YMG is busy with fall and winter activities! In November we're having our Annual Turkey Fry and Food Drive on Saturday, November 5. We're getting together to see Warren Miller's new extreme skiing and snow-boarding film. We're continuing to tutor high school students with the Math Enrichment Program and provide supportive services for homeless and at risk youth through Urban Peak.

If you're interested in any of the activities or want to learn more about the Colorado Younger Member Group, come to one of our happy hours on the second Thursday of each month or join us at our January Kick-off party. Please visit our web site at

**<http://www.ASCEcoloradoYMG.org>**

and click on the "Newsletter" tab for more information.

Questions or comments? Feel free to contact Laura Conyers at [lconyers@geiconsultants.com](mailto:lconyers@geiconsultants.com).



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