



## Section/Technical Groups Dinner Meeting

Thursday, May 17, 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)

**Holiday Inn Denver City Center (formerly Denver Downtown)**  
 ✧ 1450 Glenarm Place (Glenarm at 15<sup>th</sup>) ✧ Denver ✧

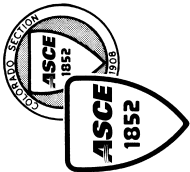
\$25.00 per person                      \$5.00 for students  
 (Pay on site - cash or checks payable to *Colorado Section ASCE*)

**Make Reservations by Noon Monday, May 14, 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](mailto:coloradoasce@qwest.net) ☎

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

### President's Message...



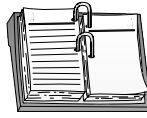
During the past year the Colorado Section ASCE has been very active and has had many successes. There are many people that should be recognized and thanked for making the past year a success for the Colorado Section ASCE. I cannot put everyone's name in here but would like to thank the members of the Executive Committee for the hard work and dedication they have all shown to the Section. In addition I would also like to thank both the Northern Colorado and Southern Colorado Branches for their many activities of the past year, all of which make us a better organization.

One of the most prominent activities of the year was the annual ASCE Rebuilding Together project, which was the renovation of the Children's Outreach Project School. Through the excellent leadership and help of Gary Brierley and Terri King, this project raised over \$10,000 that was used to do numerous improvements to the school. This was the largest Rebuilding project taken on by the Colorado Section ASCE to date, and it would not have been possible without the many project sponsors and volunteers that did the work. For everyone involved I want to say Thank You for giving back to our community, and if you were unable to be involved this year, I hope you will consider becoming involved in next year's project.

While the Colorado Section ASCE will take the summer off from our standard meetings, your officers will continue to be busy behind the scenes planning for the next year. If you cannot join us for the May meeting, I hope that you will join us for the first meeting of the next season in September. In this newsletter is also the ballot for next year's officers, and I hope that you will take the time to review the candidates and place your vote.



**Edward Stafford**



## News & Notes...

### Rebuilding Day: Engineering at Its Best...

Thank you... for helping us raise \$10,000 for this year's ASCE/Rebuilding Together project. This money was put to good use in an extensive renovation of the Children's Outreach School. Twenty-three engineering companies across the metropolitan area donated both time and money to make this project succeed. Over 75 ASCE volunteers committed to help over the course of two weekends. Now, that's impressive!

Later this month ASCE will be given an award for its outstanding contribution to the community by Rebuilding Together Metro Denver. The CEO of the national "Rebuilding" organization, Gary Officer, is flying in from Washington, DC, to make the presentation and to tour the Children's Outreach Project. This recognition, and especially the efforts of all of you, is deeply appreciated.

If you want to learn more about this annual project please contact Gary Brierley, Volunteer House Captain, ASCE-Rebuilding Together Metro Denver at 303-703-1405 or by email to [Gbrierley@BrierleyAssociates.com](mailto:Gbrierley@BrierleyAssociates.com).

### Members Seeking Engineering Graduates...

Interested in reaching any of the young talent at the University of Colorado's College of Engineering and Applied Science?

The University's *Colorado Engineer Magazine* (the CEM) is published entirely by students and has been part of the University for over a hundred years. CU puts together an exceptionally high quality, award-winning magazine that has gained the attention of both the students and faculty in the engineering community at the University. If you are interested in building an on-campus presence and informing potential engineering employees about your organization, CU's magazine is a very effective channel to do so. CU publishes three issues per year. 3000 are circulated throughout campus (mainly in the Engineering Center) and 1000 are mailed to CEM subscribers and various alumni and donors.

CEM advertising opportunities are available in a wide variety of formats, sizes and locations in the magazine in the range of \$200 to \$1000 depending on what you need. Contact James Blouin, CEM Business Manager, at 303-492-8635 or via email to [James.Blouin@colorado.edu](mailto:James.Blouin@colorado.edu).



## Colorado Section Leadership Roster 2006-2007

**PRESIDENT:** Edward Stafford  
720-898-7745 [estafford@ci.arvada.co.us](mailto:estafford@ci.arvada.co.us)

**VICE PRESIDENT:** Matt McDole  
303-537-3740 [mmcdole@e-470.com](mailto:mmcdole@e-470.com)

**SECRETARY:** Jeff May  
303-480-6746 [jeff.laurel.may@gmail.com](mailto:jeff.laurel.may@gmail.com)

**TREASURER:** Brian Wiltshire  
303-721-1447 [brian.wiltshire@fhueng.com](mailto:brian.wiltshire@fhueng.com)

**IMMEDIATE PAST PRESIDENT:** Christoph Goss  
303-651-1468 [christoph.goss@deereault.com](mailto:christoph.goss@deereault.com)

**GEOTECHNICAL TECHNICAL GROUP CHAIR:** Joels Malama  
303-423-3300 [jcmalama@terracon.com](mailto:jcmalama@terracon.com)

**STRUCTURAL TECHNICAL GROUP CHAIR:** Taka Kimura  
303-390-5861 [kimura@pbworld.com](mailto:kimura@pbworld.com)

**TRANSPORTATION TECHNICAL GROUP CO-CHAIRS:** Mel Dahlberg  
303-799-5103 [mdahlberg@bhinc.com](mailto:mdahlberg@bhinc.com)

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

### Committee Chairs & Special Contacts

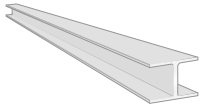
ASCE Region 7 Governors -		
	Jacqueline Arcaris	303-980-3530
	Tom Chapel	970-223-9600
	Vaughan Griffiths	303-273-3669
Awards	Sharon Wilson	303-690-0453
Constitution & By-Laws	Vaughan Griffiths	303-273-3669
History & Heritage	Dick Wiltshire	303-445-3042
Legislative & Government Affairs	Steve Fisher	303-312-8849
Membership	Jennifer Ashworth	303-455-9589
	Jeff McEnaney	303-424-5578
Nominating	Christoph Goss	303-651-1468
Northern Branch President -		
	Amber Kauffman	970-484-7477
Partnering	Chuck Childs	720-540-6800
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	Laura LaRiviere	303-237-6601

### Colorado Section ASCE Office

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

**Tom Stelmack**, Senior Project Manager in the Denver, Colorado, office of Parsons, will discuss **the design and construction of the State Highway 82 bridge over Maroon Creek in Aspen, Colorado**. The new bridge replaces a railroad trestle bridge built in 1888 that was converted for highway use in 1929. The structure is a cast-in-place, constant depth concrete segmental box girder, erected in balanced cantilever. The piers are concrete A-frames that reflect the architectural vocabulary of the historic trestle bridge. Tom will review the project's history and discuss the structure type studies, final design details and the progress of construction which began in late 2005. The structure is expected to be completed during the fall of 2007.

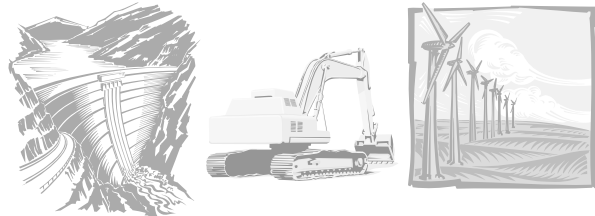


## Transportation Group Meeting

**Bill VanMeter**, RTD, will give an **update on the FasTracks Program**. He will present both general information and project-by-project updates, and he will address the challenges RTD is dealing with as part of the Annual Program Evaluation with materials and labor cost escalation driving costs higher than projected in the original budget forecasts.

## Special Corps of Engineers Ft. Carson Presentation

**John Lory**, CPT, EN, USACE, Omaha District, will discuss **Corps of Engineers Fort Carson engineering activities**. John will provide an opportunity for you to find out in more detail the work that is in progress, the work being planned at Ft. Carson, and the improvements the Government has made in helping civilian designers and contractors obtain and carry out its projects. He will cover both the acquisition side of doing business at Ft. Carson and some of the technical challenges the Corps has faced on recent projects. John's current duties at Fort Carson include coordinating nearly \$1.5 billion of current and future construction projects in support of several initiatives: Base Realignment and Closure, the Army Modular Force, Global Defense Posture Repositioning and the "Grow the Army" initiative.



## Joint Geotechnical & Environmental & Water Resources Group Meeting

**George Annandale**, Ph.D., Engineering & Hydrosystems, will speak on **Baglihar Dam Sedimentation and International Neutral Arbitration**. The Pakistani government contracted with him to assess the design of Baglihar Dam by the Indian government for compliance with the Indus Water Treaty (1960) as it relates to sedimentation issues. He also was to act as an expert in the neutral arbitration between India and Pakistan over the proposed Baglihar Dam design. Baglihar Dam, a 130 m high gravity dam, will serve as a run-of-river hydroelectric facility and is currently under construction in the Kashmir Region on the Chenab River. George will discuss the sedimentation issues and investigation he conducted for the dam as well as the process of international neutral arbitration.

## Environmental & Water Resources Technical Group Annual Field Trip

### Blue River Restoration Site & Dillon Dam

**Friday, May 11, 2007, 9 AM – 5 PM**

9 AM – Bus will depart from I-70/Colfax Hogback Park-N-Ride (Subject to change due to construction)

Cost is **\$20 per person**. Box lunch included.

Open to all Colorado Section ASCE members. Seating is **limited to 25 people**, so sign up early!

RSVP ASAP and preferably by May 1, but **no later than May 7**, to

Steve Lowry, 303-797-1200, [slowry@jfsato.com](mailto:slowry@jfsato.com), or Amber Fuxan email [Amber.Fuxan@enghydro.com](mailto:Amber.Fuxan@enghydro.com)

We will visit both a restoration site on the Blue River near Dillon which represents a state-of-art project for mountain streams and Dillon Dam and the hydroelectric plant. DWD has new security measures that require us to provide them with names. The name should be the same as shown on your photo ID (driver's license, passport, etc). Because we are paying for a bus, if you sign up and have to cancel you will still need to pay the cost of the trip or find a substitute.

## Meet the Candidates...

*Election of 2007-2008 Officers for the Colorado Section ASCE is conducted through a mail-in ballot which is part of this issue of the Newsletter. Please review the below biographies of the official candidates who were selected by the Nominating Committee chaired by Christoph Goss, Past President. Write-in candidates are permitted. Return your ballot to the Colorado Section ASCE office postmarked no later than May 31, 2007.*

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### For President:

Matthew McDole, PE, is Chief Engineer at the E-470 Public Highway Authority, a position he has held since 1995. In his 40 years of experience, he also has held the top engineering management positions at Denver RTD and San Francisco BART. Matt is a Life Member of ASCE and last year was elected to the Board of Governors of the Transportation and Development Institute of ASCE. He is the immediate past chair of the National ASCE Transportation and Development Construction Committee and a member of the National ASCE Construction Institute Management Practices in Construction Committee. He also is active in several other professional organizations including NSPE, DBIA, IBTTA and TRB. Matt currently is Colorado Section ASCE Vice President.



**Matt McDole**

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### For Vice President:

Jeffrey May, PE, has over 35 years of experience including work for two transportation planning consulting firms, the Minnesota Highway Department and the United Nations. In 2006 Jeff retired from his last job as a division director at the Denver Regional Council of Governments where he was in charge of geographic information systems, aerial photography, mapping, socio-economic data and forecasts, transportation and air quality data and forecasts, water quality planning and comprehensive planning. His educational background includes a Bachelor of Science in Civil Engineering from the University of Minnesota, a Graduate Certificate in Highway Traffic and a Masters of City Planning from Yale University.



**Jeff May**

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### For Treasurer:

Laura LaRiviere, PE, is a Water Resources Engineer with Kleinfelder. She has been an active member of ASCE since 2001, especially in the Colorado Section ASCE Younger Member Group where she has served as President for the past 2 years. She holds a BS in Civil Engineering from Purdue University and an ME in Civil Engineering from Texas A&M University.



**Laura LaRiviere**

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# 2007-2008 OFFICIAL BALLOT

## *Colorado Section ASCE*

All ballots must be postmarked no later than May 31, 2007.

Place an X in the [ ] to vote. Blank lines are for write-in votes.

Vote for only one (1) individual in each officer position.

Only Official Ballots distributed in the newsletter via US mail are valid.

Online Ballots are NOT VALID

### FOR PRESIDENT

[ ] Matt McDole

[ ] \_\_\_\_\_

Only original ballots as mailed to  
eligible voting members and  
returned by them will be counted

### FOR VICE PRESIDENT

[ ] Jeff May

[ ] \_\_\_\_\_

### FOR SECRETARY

[ ] Laura LaRiviere

[ ] \_\_\_\_\_

Please affix 39¢ postage, fold on the printed lines,  
**staple closed** (please **do not use tape**) and mail postmarked no later than May 31, 2007.

(Fold on line)

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(Fold on line)

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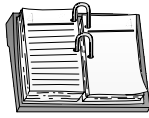


Colorado Section  
American Society of Civil Engineers  
P.O. Box 101085  
Denver, CO 80250-1085  
(303)756-9777

Place  
Stamp  
Here

**BALLOT**

**Colorado Section ASCE  
P.O. Box 101085  
Denver, CO 80250-1085**



## More News & Notes...

### 12<sup>th</sup> Annual Short Course on Finite Elements in Geotechnical Engineering

Colorado School of Mines, Golden  
Monday-Wednesday, June 25-27, 2007

given by  
Professor D. V. Griffiths, Ph.D., PE, FASCE

Based on a recent edition of the successful textbook co-authored by the instructor, *Programming the Finite Element Method*, by I. M. Smith and D. V. Griffiths, 4<sup>th</sup> ed., Wiley, 2004, this 3-day course combines lectures with supervised desktop computing sessions in which participants will learn to run a powerful suite of finite element programs relating to practical geotechnical engineering. The course should remove some of the mystique of "black-box" geotechnical software by giving participants an insight into the workings of the finite element method and the basic architecture of the programs. Classical geotechnical applications will be covered, e.g., settlements, seepage, consolidation and slope stability. Participants will receive a copy of the course textbook and all source code which consists of over 50 programs covering a wide range of engineering analysis applications. Attendees are encouraged to bring their own lap-top computers so that the programs can be installed during the course.

For course information and registration information contact Melody Francisco at the Office of Special Programs and Continuing Education, 303-273-3321, Fax 303-273-3314, email [mfrancis@mines.edu](mailto:mfrancis@mines.edu), or see web site [http://www.mines.edu/Outreach/Cont\\_Ed/fege.htm](http://www.mines.edu/Outreach/Cont_Ed/fege.htm).

### Members Need to Be Sure Their Computers Accept Emails from Colorado Section ASCE...

Members wanting to receive emails from the Colorado Section ASCE need to **be sure** their **email systems allow receipt of emails from the Colorado Section ASCE**. Some systems may be blocking these Section emails as spam.

[coloradoasce@qwest.net](mailto:coloradoasce@qwest.net) is the Section's email address... be sure your systems at home and work don't block these as spam!

### Water for People–Water Corps Sends Colorado Section ASCE Member Steve Lowry to Uganda...

Water for People–Water Corps, the Denver based development organization loosely associated with AWWA, selected Colorado Section ASCE member Steve Lowry to lead an assessment team to Uganda last month. Steve, who serves the Section as Co-Chair of its Environmental and Water Resources Technical Group, left for Uganda in mid-April. After he returns he hopefully will provide a summary of the trip as one of fall's technical breakout programs. Steve is aware from past presentations on international development in the water and sanitation field that many ASCE members have a strong interest in this type of outreach. Keep tuned for Steve's program sometime after the Section resumes meetings after the summer break.

### ASCE's SEI Structures Congress Is in Long Beach this Month...

The 2007 ASCE Structural Engineering Institute's Structures Congress will be held on Wednesday through Saturday, May 16 - 19, 2007, in Long Beach, California. The program consists of nine concurrent technical tracks and over 90 different technical sessions. If you'd like complete details of the Congress and may be considering attending, please go to the web site [www.structurescongress.org](http://www.structurescongress.org).

### ASCE Continuing Education Offers Colorado Seminars May–September...

ASCE is offering the following seminars in Colorado during May through September:

- June 14-15, 2007, Colorado Springs, CO  
Financial Management for the Professional Engineer (Management)
- July 12-13, 2007, Denver, CO  
Probabilistic Methods in Geotechnical Engineers (Geotechnical)
- September 6-7, 2007, Denver, CO  
Design and Renovation of Wood Structures (Structural)
- September 27-28, 2007, Denver, CO  
Techniques for the Modern Engineering Manager (Transportation)

Detailed descriptions of these in-depth, practice-oriented seminars are available at [www.asce.org/conted/seminars](http://www.asce.org/conted/seminars). For more info contact Kelly Jarvis, Continuing Education Registrar at [kjarvis@asce.org](mailto:kjarvis@asce.org).



## 6<sup>th</sup> Annual Golf Tournament – Thursday, July 26, 2007 Eagle Trace Golf Club, Broomfield

Mark your calendars and register for the 6<sup>th</sup> Annual ASCE Golf Tournament. This year's tournament will be held at Eagle Trace Golf Club in Broomfield on Thursday, July 26, 2007, at 7:30 AM. This event has raised thousands of dollars in the past for scholarships to local colleges to promote higher education in civil engineering. This year's price has been lowered to \$50 to boost participation. Hope to see you out on the course! For more information, registration forms and sponsorships forms contact Jaryd Takushi at [jtakushi@hntb.com](mailto:jtakushi@hntb.com), or access these forms directly via the Internet on the tournament website at <http://sections.asce.org/colorado/golftourn07.htm>.

### Younger Member Group

The Colorado Younger Member Group (YMG) is a great place to meet other young engineers, so come out for one of our activities this spring! We have a volleyball team that plays weekly in Washington Park, community service activities, monthly happy hours, and lots of other activities. Please go to our newly revised website for more information: [www.ASCEcoloradoYMG.org](http://www.ASCEcoloradoYMG.org). We look forward to meeting you soon! If you'd like to become more involved, offer to fill one of our open officer positions. YMG is currently seeking candidates for Activities Co-Chair, Community Service, Student Outreach and other officer positions. If you are interested please email Patrick Coughlin at [JPATRICKCOUGHLIN@MSN.com](mailto:JPATRICKCOUGHLIN@MSN.com).



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American Society of Civil Engineers  
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(303) 756-9777

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