



Section/Technical Groups Dinner Meeting

Thursday, May 15, 2008

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

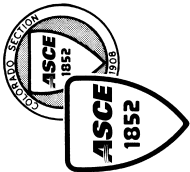
◆ 1450 Glenarm Place (Glenarm at 15th) ◆ Denver ◆

\$ 30 per person \$ 5 for students
(Pay on site - cash or checks payable to *Colorado Section ASCE*)

Make Reservations by Noon Monday, May 12, 2008

- ☎ Leave a voice reservation on ASCE's answering machine at **303-756-9777** ☎
 - ☎ Or send an E-mail message reservation to coloradoasce@gwestoffice.net ☎
- Please indicate the **Technical Group** session you plan to attend and **spell your last name** ←

President's Message... First Half Wrap-Up



The first half of the 2008 ASCE year has been flying by quickly with many successful Colorado Section ASCE activities. At our April meeting we had a wonderful Student Awards night. Thanks to Sharon Wilson, our Awards Committee Chair, for organizing the effort. And thanks to all those who helped Sharon with the judging and arrangements. The night also featured an inspirational keynote address from Immediate ASCE National Past President Bill Marcuson.

Late April is the time of our annual Rebuilding Together Day and that will be completed by the time you read this. Also, good progress is being made on the Colorado Section ASCE Report Card update thanks to Jeff May and his task group.

May is the last meeting before our summer break, and two short but important presentations are planned before our technical break-out sessions. First, Jim Gusek from the local Engineers Without Borders (EWB) will speak to us. ASCE's Board of Directors recently approved an agreement that "allows us to forge a closer relationship with Engineers Without Borders." I know that many of our younger engineers are active or interested in EWB. There are significant mentoring, assistance and participation opportunities with this initiative.

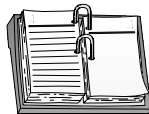
Second, I want to give a short presentation on "Affiliations of Sections/Branches with Institutes." This will include the evolution and role of ASCE's Institutes and some benefits and process for affiliation. Our Technical Groups should seriously consider Institute affiliation in my opinion.

In closing, I want to put out another call for those interested in a Colorado Section ASCE Sustainability Committee. See me if you are interested. And finally, to urge all to vote in the Section's Spring Elections. We will be voting electronically this year so be alert for this coming to you soon. Have a great summer!



Matt McDole

News & Notes...



Student Awards...

Each year it is an honor and privilege for the Colorado Section ASCE to present awards to three outstanding senior civil engineering students from each of the six colleges and universities in Colorado with civil engineering programs. This year our guest speaker for the awards presentation was Dr. William Marcuson, PE, ASCE Past President. Dr. Marcuson spoke of the challenges facing US engineers to be competitive in the global engineering market place. He challenged the students and young engineers to become international leaders in engineering. Matt McDole, Colorado Section President, and Dr. Marcuson presented the following awards at the Section's April 10, 2008, meeting:

Colorado State University:

Erin Dallinger	First Place
Michael Ryan Horn	Second Place
Brian Jessee	Third Place

Colorado School of Mines:

Celeste Cashel	First Place
Rachel Nii	Second Place
Tony Gargaro	Third Place

University of Colorado at Denver:

Stephanie Spencer	First Place
Seth Gernat	Second Place
Elizabeth Byersmith	Third Place

Metropolitan State College:

Jeremy Lorberau	First Place
Jason Igo	Second Place
Fausto Hidalgo	Third Place

United States Air Force Academy:

Jaclyn Taylor	First Place
Anders M. Karlsen	Second Place
Tyler Olmstead	Third Place

The following students from the University of Colorado at Boulder were not in attendance.

Casey Champion	First Place
Wesley Ashwood	Second Place
Andrew Graham	Third Place

Congratulations to all of the award recipients, and thank you to Dr. Marcuson for his help with presenting awards and his inspiring talk.

May Additional Items:

Officer Nominee Bios... See Page 5

STEM Center Director's Position Announcement... See Page 6

(News & Notes Cont'd. on Page 4)



Colorado Section Leadership Roster 2007-2008

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

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

SECRETARY: Laura LaRiviere
303-237-6601 llariviere@kleinfelder.com

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

IMMEDIATE PAST PRESIDENT: Edward Stafford
303-754-3310 estafford@members.asce.org

GEOTECHNICAL TECHNICAL GROUP CO-CHAIRS:
Steve Bryant
303-424-5578 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
303-683-5191 amber.fuxan@enghydro.com
Brian Murphy
303-383-2300 MurphyBM@cdm.org

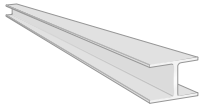
Committee Chairs & Special Contacts

ASCE Region 7 Governors -		
	Jacqueline Arcaris	303-987-3443
	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	Chuck Childs	303-228-2331
	Steve Fisher	303-312-8849
Membership	Matt Satterfield	303-424-5578
Nominating	Edward Stafford	720-898-7745
Northern Branch President -		
	Cortni Ward	970-219-8808
Southern Colorado Branch President -		
	Scott Asher	719-227-8727
Student Chapter Affairs	Edward Stafford	720-898-7745
Web Master	Dale Meck	970-903-8297
Younger Member Group	Colin Haggerty	303-390-5844

Colorado Section ASCE Office

Rich Bogdanovich P.O. Box 101085
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coloradoasce@qwestoffice.net
Section Web Page: <http://sections.asce.org/colorado>

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



Joint Structural & Transportation Group Meeting

Fred Holderness and **Jeff Simmons**, Tsiouvaras Simmons Holderness, Inc., will speak on the **CDOT Region 2, I-25 Viaduct replacement project in Trinidad**. A limited budget prompted CDOT to advertise this project with an Alternate Bridge Design specification. This allowed for a low bid meeting the project budget while satisfying both the technical design and stringent aesthetic requirements for the bridge. Design has been completed for the northbound phase which is currently under construction. The discussion will include both the implementation of this modified design build process and the technical aspects of the bridge design.

Environmental & Water Resources Annual Field Trip Friday, May 23, 2008, 1:00 PM

Golden Mile Tour Golden, Colorado

Come on out and enjoy lunch with us along Clear Creek in Golden, Colorado, and take a tour of West Denver Trout Unlimited's (WDTU) river restoration project, the Golden Mile. The project encompasses restoration of nearly one mile of river between the City of Golden's kayak course near Lions Park and the new Jefferson County Open Space Park Bridge. The project will be completed later this spring with the goal of improving habitat for cold water wildlife, providing an educational resource for area youth, improving opportunities for nearby recreational fishing, and providing improved fishing access for the physically handicapped. According to WDTU Project Director Miles Williams, "Clear Creek will be the most accessible quality cold water stream fishery for many people throughout Denver." WDTU staff and the contractor, Frontier Construction, will give the tour and be on hand for questions at the Golden City Brewery following the tour.

Currently there is a limit of 30 people for this field trip. If you are interested in attending please contact either of the Group's Co-Chairs, Brian Murphy, MurphyBM@cdm.com, 303-383-2300, or Amber Fuxan, amber.fuxan@enghydro.com, 303-683-5191, for more information.



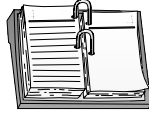
Environmental & Water Resources Group Meeting

The **Statewide Water Supply Initiative (SWSI), Colorado's Water Supply Future – Conservation, Agricultural Transfers, Environmental and Recreational Needs, and New Water Development**, is a project that is being undertaken by the Colorado Water Conservation Board (CWCB). SWSI is a basin by basin look at current and future (forecasted to the year 2030) water supply and water demands, and an evaluation of how Colorado's future water needs may be addressed. During this presentation you will learn some key findings and recommendations regarding Colorado's future water needs and be provided with an overview of some of the choices and challenges Colorado faces to address our 2030 water needs. Which conservation and efficiency measures are most effective? Can agricultural transfers be done in a manner that addresses rural and municipal needs? How can we incorporate environmental and recreational needs? What role can new water development projects play within and between river basins? Please come and participate in the discussion and offer your observations!



Geotechnical Group Meeting

Deborah Gallegos, PE, project manager with Centennial Water and Sanitation District, and **Christoph Goss**, PhD, PE, resident engineer for South Platte Reservoir will discuss the **completion of a 6480 acre-foot reservoir in Littleton**. Construction included over 2 miles of zoned earth embankment (dam and slope liner), concrete spillway, PMF channel with grouted boulder drop structures, outlet works, pump station and ditch diversion structures. Special challenges included environmental remediation and working around and within ongoing mining, gravel processing, and asphalt production and integration of the reservoir into the existing park system. The presentation will address monitoring of toe drain flows and water levels both within and outside of the dam with a particular focus on construction pore water pressures.



News & Notes...

(Cont'd. from Page 2)

Northern Branch Celebrates 10 Years...

Please join the Northern Colorado Branch of the Colorado Section ASCE for their 10-year anniversary celebration on Saturday, May 3. We will be hosting a BBQ and softball game. The celebration will be at the Colorado State University ball fields adjacent to the student recreation center from 11AM until 3 PM. Contact Mae Benvenga (mae.benvenga@mwhglobal.com) if you would like to attend the BBQ or play in the softball game. The celebration is open to all members of ASCE and their families or people interested in joining ASCE.

CSM Offers Geotech Short Course...

The Colorado School of Mines is hosting the 2 CEU short course *Finite Elements In Geotechnical Engineering* on its Golden campus July 21-23, 2008. The course combines lectures with supervised computing sessions in which participants will learn to run a powerful suite of finite element programs suitable for analysis of a range of practical problems of interest to geotechnical engineers. Participants will receive copies of the textbook and all source code of over 50 programs. The Instructor is Professor D.V. Griffiths. Contact the CSM Office of Special Programs and Continuing Education at (303) 273-3321, FAX (303) 273-3314 FAX, email to space@mines.edu, or web site www.mines.edu/outreach/cont_ed.

ASCE Memorandum of Cooperation with International Association of Emergency Managers...

The American Society of Civil Engineers (ASCE) and the International Association of Emergency Managers (IAEM) signed a memorandum of cooperation to address the growing need for worldwide emergency management coordination. This new agreement brings light to the critical state of our nation's infrastructure and calls for the engineering community to get involved in supporting emergency managers.

ASCE encourages its Sections, Branches and Younger Member Groups to take advantage of this opportunity to develop related partnerships and joint activities at the grassroots level. Find additional information about the MOC and a list of local contacts at ASCE/IAEM MOC.



7th Annual Golf Tournament Wednesday, July 23, 2008 Foothills Golf Course 7 AM – \$70 per Player

This is the fund raising event of the year and helps provide scholarships for the civil engineers of tomorrow. Do not miss your opportunity to participate in a great networking event that ensures fun for all skill levels. For more information please contact Jaryd Takushi at Jaryd@newperspective.com, 303-378-2730.

Younger Member Group

The Younger Member Group has numerous activities coming in the next few months, so if you are interested, now is the time to get involved! YMG is looking for a new Secretary and Treasurer to start the new YMG year. Please contact Colin Haggerty at haggerty@pbworld.com if you are interested.

YMG will be having our May Happy Hour at the rooftop of the Downtown Tavern on Thursday, May 8. There is a Rockies game that afternoon, so stop by after the game, or just come soak in the sun and meet some of your fellow young Engineers. The location of the Summer Picnic is still in the planning phase, but we are looking at either Sloans Lake, Chatfield Reservoir, or Washington Park. YMG is looking to have Steve Riley at the Nuba Water Group give a presentation on the work they are doing in Africa to help provide drinking water. If you have suggestions or ideas for future Happy Hours or Technical Presentations please email Colin Haggerty at haggerty@pbworld.com.

While we are trying new ideas, 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. Come join us at any of our upcoming events! Please visit our web site at

www.ASCEcoloradoYMG.org

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

Meet the Candidates...

Election of 2008-2009 Colorado Section ASCE Officers is being conducted electronically this year. Voting members will receive information via email to their email addresses of record. Please review the below biographies of the official candidates selected by the Nominating Committee chaired by Past President Edward Stafford.

For 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. He served as Section Vice President during 2007-2008.



Jeff May

For Vice-President:

Laura LaRiviere, PE, is a Water Resources Engineer with Kleinfelder. She has been an active member of ASCE since 2001, served as the Colorado Section ASCE Younger Member Group President for 2 years, and served as the Section Secretary for 2007-2008. She holds a BS in Civil Engineering from Purdue University and an ME in Civil Engineering from Texas A&M University.



Laura LaRiviere

For Secretary:

Brian Wiltshire, PE, has over 10 years of experience in transportation construction and design with Felsburg Holt & Ullevig. He has been the Section Treasurer since 2006 and a member of ASCE since 1999. He holds a Bachelor of Science in Civil Engineering from the University of Colorado.



Brian Wiltshire

For Treasurer:

Mel Dahlberg, PE, an ASCE member since 2005, currently is the Transportation Technical Group Chair after serving as Co-Chair in 2006. Mel regularly attends the Section's Executive Committee meetings and currently is responsible for the 2008 ASCE/CO Infrastructure Report Card Update to the Aviation and Transit Sections. He is excited about participating as the Section Treasurer and looks forward to contributing to the success of the coming year. For the past ten years Mel has been the treasurer for the Cherry Valley Volunteer Fire Department and feels this has given him the experience for this position. He is Sr. Vice President and Managing Principal for Bohannon Huston, Inc., for the last three years and is responsible for their Colorado operations. Prior to joining BHI he was the Engineering Manager for Parsons Brinckerhoff in the Denver office and worked on numerous transportation projects for the City and County of Denver and FHWA Central Federal Lands Highway Division. Mel is a graduate of the University of New Mexico with a Bachelor's Degree in Civil Engineering and a Master's Degree in Structural Engineering. He is a Professional Engineer in Colorado and New Mexico and has 30 years of engineering experience.



Mel Dahlberg

Position Announcement
Full-Time, 12 Month Regular Faculty

**Director/Faculty – Center for
Science, Technology, Engineering and Mathematics
(STEM)**



Follow The Below Link to View the FULL ANNOUNCEMENT →
Link to FULL CCA STEM Center Director Position Announcement

THE POSITION:

The Director/Faculty Member provides **leadership and management** for the **new Center for Science, Technology, Engineering and Mathematics (STEM)**. The Center provides students with learning opportunities which result in certificates and degrees related to the **diverse areas of science, technology, engineering, and mathematics**. Emphasis in this position is placed upon the design, implementation and growth of an innovative educational program that integrates the skills and knowledge associated with STEM related initiatives into the college offerings. The Director/Faculty Member **works collaboratively with colleagues across disciplines and across the college**, participates in advising, committee assignments, and other academic and institutional support activities. The Director/Faculty Member **will also work on nurturing productive relationships in the business, industry, and governmental communities that support the program and create job opportunities for students**. Additionally, the Director/Faculty Member will **develop relationships with baccalaureate-granting institutions to foster transfer and degree completion**. The Faculty Member teaches a reduced class load according to established guidelines and policies. The successful candidate will be a creative academic leader with a sense of humor who works well in a collaborative, participative environment.

THE COLLEGE:

The Community College of Aurora is a vibrant, growing, diverse urban community college committed to student engagement, innovative teaching and a global, multicultural perspective on learning. The college has built a reputation of excellence by cultivating a culture which values students, faculty and staff and achieves its goals by maintaining a supportive, empowering environment that emphasizes flexibility and shared decision making. CCA offers over 50 degree and certificate programs that prepare 9,000 students for entry into the work force or transfer to baccalaureate-granting institutions. CCA operates on two campuses, the CentreTech campus in central Aurora and the Lowry campus on the Aurora/Denver border. The college's student body is truly diverse with nearly half of all students identified as racial or ethnic minorities and a large and growing number of students with first languages other than English.

REQUIRED QUALIFICATIONS:

- Graduate degree in a field related to science, technology, engineering, or mathematics
- Demonstrated skills in management and leadership
- Teaching experience

PREFERRED QUALIFICATIONS:

- Two years Community College teaching experience
- Experience in a multi-cultural environment
- Interest/experience in globalizing the curriculum and/or international experience
- Professional experience in relation to science, technology, engineering, or mathematics
- Ph.D. in a related field

CONTRACT SPECIFICS & SALARY RANGE:

Regular 12-month faculty contract with reduced teaching load for director duties. Salary is commensurate with education and experience and in accordance with the 2007-2008 Administrative Salary Schedule. Salary range is mid \$40's to low \$60's per year. CCA offers a competitive fringe benefit program including health, dental and life insurance. Leave benefits and holidays are also included.

ANTICIPATED START DATE:

The successful candidate could begin immediately. The latest start date would be June 1, 2008.

DEADLINE TO SUBMIT APPLICATION MATERIAL:

Position is open until filled. Application material will be reviewed immediately. Call 303-360-4823 with questions regarding the application process.

APPLICATION PROCESS:

To apply, send a letter of application addressing the position requirements, a professional resume, and the names of three references with their contact information, to:

E-mail: HR@ccauroora.edu Note: E-mailed applications are preferred.

Fax: 303-360-4772

US Mail: Debbie Irvine, Human Resources, Community College of Aurora, 16000 E. CentreTech Parkway, Aurora, CO 80011