



Section/Technical Groups Dinner Meeting

Thursday, March 18, 2004

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)

Four Points Sheraton Denver University Hotel
◆ 1475 S. Colorado Blvd. (at Arkansas) ◆ Denver ◆

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

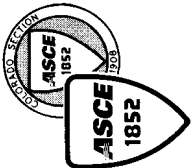
Make Reservations by Noon Monday, March 15, 2004:

Leave a voice message reservation on the ASCE answering machine at (303) 758-1445

Or send an E-mail message reservation to colorado.asce@atglobal.net

Please indicate the **Technical Group session** you will be attending and **spell your last name**

President's Message...National ASCE Committees



How can I become involved with ASCE at the National level?

At last count, the Colorado Section had 185 members participating in 431 different National ASCE Committees.

Most committees are associated with a Technical Institute (such as the Environmental and Water Resources Institute, the Construction Institute, the Transportation and Development Institute, the Structural Engineering Institute, or the Geo Institute), the Committee on Professional Practice, the History and Heritage Committee, or the Committee on Younger Members.

These committees can range from very technical in nature (the Calibration and Utilization of Neutron Probe Moisture Meters Committee) to assisting the Society achieve a desired outcome (the EWRI Awards Committee). From the Water Pollution Committee to the Teaching of Hydraulics Design Committee to the Committee on Diversity and Women in Civil Engineering: there is a committee that fits you!

Each committee has different leadership needs, time commitments, member activities, etc. Please feel free to contact me at rhayes@larimer.org or 970-498-5724 for more information about serving on an ASCE National Committee or visit the National ASCE web site at www.asce.org.



Roxann Hayes

News & Notes...



Volunteer Now for Rebuilding Day 2004...

Saturday, April 24, is Rebuilding Day 2004. The Colorado Section ASCE is a House Sponsor. The house assigned to us is at 11th and Niagara in Denver. Our Captains, Charlie Hemenway and Gary Brierley, are busy planning and organizing the Section's Rebuilding Day program. But, so far, we're very short on volunteers. We need 30 to 40 volunteers to get the job done on Rebuilding Day. Please contact Gary Brierley now to be on the Rebuilding Day team. He needs to have your support and information in order to organize the work assignments. Contact information: gbrierley@brierleyassociates.com, (303) 703-1405.

New Evapo-Transpiration Continuing Education Program on April 8...

Co-sponsored by the Colorado Section ASCE and the Colorado Bar Association CLE, a new evapo-transpiration continuing education program will be held on Thursday, April 8, 2004, in Denver!

Don't miss your opportunity to hear from local and national speakers about one of the hottest issues in engineering today: how to determine consumptive use in water rights proceedings! Evapo-transpiration is a relevant, current topic that is critical to your practice. In addition to a Keynote Address from Colorado State Engineer Hal Simpson and presentations by several Colorado attorneys, the program agenda includes the following topics and speakers:

- Strengths and Weaknesses of the Modified Blaney-Criddle Method, presented by Ivan Walter;
- the Penman-Montieth Method, presented by Terry Howell;
- Alternatives to the Penman-Montieth Method, presented by Thomas Ley;
- Satellite-Based ET Mapping, presented by Richard Allen;
- Deciding to Change Standards and How to Implement Them: A Panel Discussion, presented by Richard Allen, Timothy Gates, Thomas Ley and Ivan Walter.

Tuition for this new program is only \$169 for ASCE members! This program qualifies for ASCE continuing education credit. Its location is the CBA-CLE Classroom, 1900 Grant Street, #300, Denver.

For more information or to register, please call CBA-CLE at 303-860-0608, toll free at 888-860-2531; or visit us at www.cobar.org/cle, or www.cobar.org/calendar/eventdetail.cfm?EventID=WA040804L.



Colorado Section 2003-2004 Leadership Roster

| | |
|---|---|
| PRESIDENT: 970-498-5724 | Roxann Hayes rhayes@larimer.org |
| VICE PRESIDENT: 303-858-8008 | John Gormley gormleyjt@msn.com |
| SECRETARY: 303-772-5282 | Christoph Goss christoph.goss@ttrmc.com |
| TREASURER: 720-898-7740 | Edward Stafford estafford@ci.arvada.co.us |
| IMMEDIATE PAST PRESIDENT: 303-277-6620 | Mike Glade mike.glade@coors.com |
| ENVIRONMENTAL TECHNICAL GROUP Co-CHAIRS: | |
| 303-312-7077 | Harry Jong jong.harry@epa.gov |
| 303-245-6410 | Cheryl Kramer cakramer@fs.fed.us |
| GEOTECHNICAL TECHNICAL GROUP CHAIR: 303-772-5282 | Christoph Goss christoph.goss@ttrmc.com |
| STRUCTURAL TECHNICAL GROUP CHAIR: 303-390-5861 | Taka Kimura kimura@pbworld.com |
| TRANSPORTATION TECHNICAL GROUP Co-CHAIRS: | |
| 303-480-6746 | Jeff May jmay@drcog.org |
| 303-721-1440 | Michelle Stevens michelle.stevens@fhueng.com |
| WATER RESOURCES TECHNICAL GROUP CHAIR: 303-298-1311 | Erin Ansell anselles@cdm.com |

Committee Chairs

| | | |
|-----------------------------|-------------------|--------------|
| Awards | Tony Huerta | 303-438-2171 |
| Constitution/By-Laws | Vaughan Griffiths | 303-273-3669 |
| History & Heritage | Dick Wiltshire | 303-445-3042 |
| Government & Public Affairs | Steve Fisher | 303-312-8849 |
| Membership | Edward Stafford | 720-898-7740 |
| Nominating | Mike Glade | 303-277-6620 |

Special Contacts

| | | |
|---------------------------------|--------------------|--------------|
| ASCE District 16 Representative | Stein Sture | 303-492-7651 |
| CEC Representative | Chuck Mcknight | 303-986-1444 |
| Life Member Forum | David Day | 303-694-2948 |
| | Kurt Gerstle | 303-492-6383 |
| Northern Branch President | Dan Overton | 970-223-9600 |
| Web Master | James Gill | 303-697-2655 |
| Younger Members Group President | Jacqueline Arcaris | 303-980-3530 |

Colorado Section ASCE NEWSLETTER is published 9 times per year on a monthly schedule September through May.

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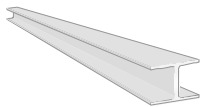
P.O.Box 101085
Denver, CO 80250-1085
colorado.asce@attglobal.net

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



Joint Transportation & Water Resources Group Meeting

Art Hirsch, Environmental Manager for the transportation consulting firm Felsburg, Holt & Ullevig, Centennial, Colorado, has provided technical water quality consulting to the Colorado Department of Transportation for the past 10 years on numerous projects related to water quality impacts due to high sediment loading including the Straight Creek and Black Gore Creek watersheds. He is currently leading for water quality efforts for three EIS studies in the Front Range. His presentation will cover the **water quality and stormwater management approach used for the I-25 Valley Highway EIS**. This project was the first EIS that addressed compliance to the Municipal Separate Storm System (MS4) Phase I Permit requirements that requires best management practices (BMP's) for stormwater discharges into "sensitive" surface water systems.



Structural Group Meeting

Mac Hasan, the CDOT State Bridge Rating Engineer, will give a presentation on **bridge rating using the LRFR (Load and Resistance Factor Rating) methodology**. LRFR provides a means for load rating bridges that is consistent with the load and resistance factor design concepts of the AASHTO LRFD specifications. This reliability-based method, when fully adopted by state DOT's, will provide a rational method for load posting a bridge. Additionally, when feasible and warranted, it provides an alternative procedure to use the reliability index directly in the bridge rating process. The presentation will be based on the "Manual For Condition Evaluation and Load and Resistance Factor Rating (LRFR) of Highway Bridges" released by AASHTO in October 2003 and should be of interest for all bridge engineers using the AASHTO LRFD specifications.

Environmental Group Meeting



Suzanne Wuerthele, Ph.D., Regional Toxicologist for the Denver Regional Office of the Environmental Protection Agency, will give a presentation on **Biopharming**. Genetic engineering is a powerful and controversial technology. It involves transferring genes into plants, animals and microorganisms from other organisms with which they would not normally breed. The recipient or "host" organism then displays properties of the "donor," usually the ability to make proteins or other chemicals. Using these "recombinant DNA" techniques, scientists have given spider genes to goats, bacterial and viral genes to soybeans, jellyfish genes to monkeys, and human genes to trees, cows and bacteria, among other organisms. Now drug companies are engineering plants to make pharmaceuticals and industrial chemicals, and they hope to produce such chemicals in ordinary corn fields. Recently the French company Meristem Therapeutics received an application to produce a pancreatic enzyme in a corn field in eastern Colorado. This talk covers the basics of such "biopharming," including its implications for the environment and health.

Geotechnical Group Meeting



Don Fillis, CH2MHill, **Jon Schmidt**, GEI, **Glen Church**, Tetra Tech RMC, and **Christoph Goss**, Tetra Tech RMC, will be presenting a **Standley Lake Dam Rehabilitation 2004 Update** covering the nearly complete rehabilitation of the Standley Lake Dam in Jefferson County, Colorado. The rehabilitation included the enlarging of the toe berm, construction of a 55,000 cfs spillway with RCC drop structures, and the construction of new outlet works (shaft, tunnel, 104" diameter pipeline, long micro-tunneled lake taps). The focus of the presentation will be on the geotechnical aspects of the earthwork, RCC, tunneling and microtunneling along with a discussion of the construction management and engineer/contractor relations.

Reminder:
Thursday, April 15, 2004
Annual Student Awards Night Meeting
Northglenn Holiday Inn, I-25 & 120th

UCD Continuing Education March & May Courses

Visit www.cudenver.edu/engineer/cont and click on the **Course Information** link to learn more about these courses or call 303-556-4907.

NCES 8322: River and Floodplain Modeling with HEC-RAS version 3.1.1 This 3-day course presents the latest version of HEC-RAS and its applications to model streams, rivers, and flood plains under a flood flow condition. Class will meet during the day Wednesday through Friday, March 17 through 19, 2004, at the Auraria Campus in downtown Denver. Course instructors are Vernon Bonner, James C.Y. Guo, and John Liou. The cost is \$945.

NCES 8221: Urban Flood Channel Design This 2-day course presents state-of-the-practice channel design procedures and criteria for flood mitigation in metropolitan areas. Class will meet during the day Thursday and Friday, May 20 and 21, 2004, at CU at Interlocken at Level 3 Communications in Broomfield. The cost is \$595.

Younger Member Group (YMG)

We heard the requests of many of our Younger Members and have organized an EIT/PE board presentation! Please join us on Tuesday, March 23, 2004, for what promises to be an informative presentation about EIT/PE registration from two members of the board. Join us, too, at any of the many upcoming social activities planned for the next couple of months! Upcoming social activities include a Ski Trip at Winter Park on Saturday, March 13; volunteering at the Denver Rescue Mission on Tuesday, March 16; a VIP Coors Brewery Tour on Friday, March 19; a Mammoth Lacrosse Game on Friday, March 26; and, back by popular demand, another NORAD/Cheyenne Mountain tour on Friday, April 9. Please view the YMG monthly newsletter for details of the events at:

www.ascecoloradoymg.org/Newsletter.htm

And don't forget to join us at the next YMG Happy Hour on Thursday, March 11. Watch for the location of the Happy Hour in the March YMG Newsletter!

If you are interested in becoming a YMG officer, elections will be held in April. Please visit our webpage www.ascecoloradoymg.org/officers.htm and contact the current officers with questions or interest.



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