

UPCOMING MEETINGS— MARK YOUR CALENDAR:

- > **ASCE Dinner and Technical Presentation— March 17**
- > **9th Annual Spring Transportation Symposium—April 8**
- > **Colorado COS Meeting— April 19**
- > **ASCE Region 7 Award Deadline—April 30**

PRESIDENT’S MESSAGE



Brian Wiltshire
ASCE Colorado Section President

Our February meeting featured a Public Sector Spotlight by the City of Arvada, sharing news about the current state of the City. We hope to have a different public agency or municipality share information about their current activities and projects each month. Over 70 people attended the meeting, and all of our technical committees had engaging and interesting presentations!

Do you know someone that deserves a Lifetime Achievement Award, an Outstanding Younger Member or Practitioner Advisor Award, or perhaps a Service to ASCE Award? Nominate them! We all know someone that fits these categories, so let's give them the special recognition they deserve and nominate them for

the ASCE Region 7 awards. Send your nominations to Sharon Wilson at Sharon.Wilson1965@comcast.net or call (303-690-0453).

ASCE sponsored a legislative breakfast on February 24th with members of the Colorado State legislature. Now we'll take what we learned and discussed at the State level to our legislators at the National level. At the end of March, the Colorado Section will be sending representatives from each Branch and the Section to Washington, D.C. for the Legislative Fly-in to meet with Colorado State Senators and Congressman. This will be the Section's opportunity to discuss the critical issues facing civil engineers from all disciplines here in Colorado. As leaders and caretakers of Colorado's infrastructure, we need to address the poor conditions we're faced with. If you have comments or concerns you'd like our representatives to take to Washington, please send me an email (Brian.Wiltshire@fhueg.com) or give me a call (303-721-1440)!

**Sustainability Rating System Under Development
ASCE, Partners Launch Institute to Administer Program**

Infrastructure designers and developers who apply sustainable techniques and materials will soon be able to submit their projects for official verification as "sustainable," under a new rating system being developed in part by ASCE. As a key part of its mission to advance sustainable practices, the Society has joined with the American Council of Engineering Companies and the American Public Works Association to launch the system, and to create a new, independent non-profit organization to administer it, the Institute for Sustainable Infrastructure. Although it will be similar to other "green" ratings systems, no other U.S. programs currently fulfill the need for a system focused on civil infrastructure. To learn more, visit: <http://www.asce.org/Sustainability/ISI-Rating-System/>.

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COLORADO SECTION ASCE—DINNER MEETING

Thursday, March 17, 2011

Networking:	5:45 pm
Dinner:	6:30 pm
Introductions/Announcements:	7:15 pm
Program:	7:30 pm
Adjourn:	8:30 pm

Curtis Hotel—1405 Curtis St. (Curtis and 14th) across from the Performing Arts Complex.

\$30 per person \$5 for students

(Pay onsite—cash or checks payable to Colorado Section ASCE. Includes parking voucher for Curtis Hotel parking garage.)

Make Reservations by end of day Monday, March 14, 2011.

To RSVP, contact Becky Roland at staff@coloradoasce.org or 303-551-3266.

Please spell your last name, and please note if you have specific dietary needs such as vegetarian, etc.

Note: If you do not receive a confirmation receipt for your RSVP within 24 hours, please call Becky Roland at 303-551-3266. We want to be sure we are prepared to provide the best service available, and that you enjoy the each meeting.

SUSTAINABILITY — WHAT ARE YOUR LEGAL OBLIGATIONS AS A PROFESSIONAL?

Janet Lawler McDaniel, LEED AP and Construction Attorney, Isaacson Rosenbaum P.C., Denver, Colorado

Our March meeting will be one of the rare occasions when the entire Section has a unified program among all the Technical Groups. The Central Chapter of the National Society of Professional Engineers will join us for the meeting. The topic has wide appeal across all segments of the engineering profession and is most timely.

Janet Lawler McDaniel, a noted Denver area construction attorney, will discuss the legal aspects around the move to sustainable horizontal construction practices. Ms. McDaniel came to the legal profession after 15 years of industry experience in construction management. She is a LEED AP and familiar with the lessons learned in the evolution of “green buildings.” Her work now focuses on construction litigation as well as construction and design contracts, often as

these matters relate to sustainability issues.

With the growing number of mandates for sustainable and renewable components in many of today’s construction projects, it becomes very important for owners, engineers and contractors to understand the definitions and expectations for the delivery and performance of sustainable projects. ASCE is in the process of creating standards for sustainable practice that will further enter into the conversation as future projects are developed. Ms. McDaniel will address a number of the topics that are coming to the forefront around this critical subject that relate to design, engineering, contracts and more. Ms. McDaniel has an excellent reputation in the field of Construction Law and is also well respected for her lively and engaging discussion style.

Colorado Section Leadership Roster 2010-2011

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COMMITTEE ON SUSTAINABILITY NEWS

ASCE World Headquarters Seeks LEED Gold Certification

The American Society of Civil Engineers Foundation (ASCEF) commissioned Davis, Carter, Scott (DCS) and their team of consultants to conduct a green building feasibility study of their property at 1801 Alexander Bell Drive in Reston, Virginia, to determine the feasibility and cost to upgrade the building to meet LEED requirements. In January 2011, ASCEF approved a motion to budget \$400,000 towards a LEED certification.

The building, originally constructed in 1985, contains 113,708 gross square feet and serves as the ASCE World Headquarters building.



ASCE World Headquarters, Reston, Virginia

Based on their observations, calculations, and strategies, DCS recommended pursuing *Gold level certification* under the USGBC's *LEED 2009 for Existing Buildings Operations and*

Maintenance rating system. The project is estimated to cost \$403,000, which includes design costs, construction costs, and LEED consulting and documentation costs. These costs are expected to be offset by benefits in future years, resulting in positive cumulative cash flow after 10 years.

The decision by the foundation board is an outcome of the efforts of one of five subcommittees of the national Committee on Sustainability.

Upcoming Sustainability Meetings

March Section Program

A full Section meeting has been approved for **March 17, 2011** and will feature Ms. Janet L. McDaniel as a speaker. Ms. McDaniel is a lawyer with Isaacson Rosenbaum P.C. and will address the important topic of liability issues associated with sustainable design and construction. All Technical Group Chairs thought that this is a cross cutting program that is relevant to all in civil engineering and should be addressed as the Section program.

April Colorado COS Meeting

Our next section meeting will be at La Loma restaurant at 11:30 on **April, 19, 2011**. All interested in ASCE sustainability programs at the local and national levels are invited and welcome. La Loma is located at 2527 West 26th Avenue, Denver. Please e-mail Steve Fisher at Stephen.Fisher@tetrattech.com, if you wish to attend.

ASCE Region 7 Award Opportunities

Region 7 is accepting nominations for the following Awards to be presented in 2011:

- Lifetime Achievement Award
- Service to ASCE Award
- Outstanding ASCE Younger Member Award
- Outstanding ASCE Practitioner Advisor (Educator) Award

All nomination forms must be submitted by April 30, 2011. For more information or nomination forms, contact the Colorado Section Awards Committee.

UPCOMING ASCE CONTINUING EDUCATION SHORT COURSES

by Region 7 Director, D. Vaughan Griffiths
Professor of Civil Engineering Colorado School of Mines

RISK ASSESSMENT IN GEOTECHNICAL ENGINEERING
(San Diego, CA, March 24-25, 2011; Chicago, IL, May 5-6, 2011)
Instructors - *D. Vaughan Griffiths, Ph.D., D.Sc, P.E., C.Eng., F.ASCE*
and *Gordon A. Fenton, Ph.D., P.Eng., M.ASCE*

Soils and rocks are among the most variable of all engineering materials and are, therefore, highly amenable to a probabilistic treatment. The application of statistical and probabilistic concepts to geotechnical analysis is a rapidly growing area of interest for engineers as indicated by recent new books, journals and dedicated sessions at practice-oriented conferences. The course content and delivery will assume no more than an introductory understanding of probability and statistics on the part of the participants; however, the goal is to present a "user friendly" training on modern probabilistic techniques applied to classical geotechnical engineering problems such as seepage, settlement, bearing capacity and slope stability.

FINITE ELEMENT IN GEOTECHNICAL ENGINEERING
(Cincinnati, OH, June 9-10, 2011)

Instructors - *D. Vaughan Griffiths, Ph.D., D.Sc, P.E., C.Eng., F.ASCE*
This Geo-Institute course describes a powerful suite of finite element programs suitable for analysis of a range of practical problems of interest to geotechnical engineers. Routine geotechnical predictions relating to foundations, slopes and soil/structure interaction performance can often be obtained from charts or 'standard' methods of analysis, but when complex boundary conditions or combinations of material properties are encountered, the classical approaches are severely limited. The finite element method is ideally suited for modeling these more complex problems and most programs can now be run comfortably on a personal computer. After a brief introduction on the finite element method, the course will concentrate on some practical applications of the finite element method, e.g. seepage, consolidation, settlements and slope stability.

For more information and registration, go to
<https://secure.asce.org/ASCEWebSite/Webinar/ListSeminar.aspx?CatCode=CE-GEOT>

ASCE Continuing Education Classes in Denver:

The three following ASCE continuing education seminars will be offered in Denver this year.

Aluminum Structural Design With the 2010 Aluminum Design Manual

Instructor: Randy Kissell, P.E.
April 14-15, 2011

Earthquake Induced Ground Motions

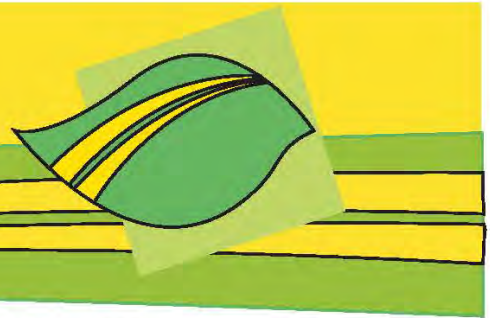
Instructor: Praveen K. Malhotra, Ph.D., P.E., M.ASCE
April 28-29, 2011

Structural Design of Buildings and Industrial Facilities for Blast Loads, and Accidental Chemical Explosions

Instructor: C. (Raj) Sundararajan, Ph.D, M.ASCE
July 13-15, 2011

For more information contact ASCE Continuing Education Department at 1-800-548-2723 or Email seminars@asce.org.

THE 9TH ANNUAL SPRING TRANSPORTATION SYMPOSIUM



THE COLORADO-WYOMING SECTION, WTS COLORADO CHAPTER, ITS ROCKY MOUNTAIN CHAPTER, AMERICAN COUNCIL OF CIVIL ENGINEERING COMPANIES OF COLORADO, AMERICAN PLANNING ASSOCIATION OF COLORADO, AND AMERICAN SOCIETY OF CIVIL ENGINEERS COLORADO SECTION ARE PROUD TO PRESENT THE 9TH ANNUAL SPRING TRANSPORTATION SYMPOSIUM. THIS EVENT WILL BRING TOGETHER THE REGION'S TRANSPORTATION PLANNERS, ENGINEERS, AND POLICY MAKERS, TO SHARE INFORMATION AND LESSONS FROM INNOVATIVE TRANSPORTATION PROJECTS.

THE PEPSI CENTER
1000 CHOPPER CIRCLE, DENVER, CO
FRIDAY, APRIL 8, 2011

REGISTER AT WWW.COWYITE.ORG BY FRIDAY APRIL 1, 2011
FULL SYMPOSIUM \$55.00 / LUNCHEON \$30.00 / STUDENTS \$10.00
PREREGISTRATION REQUIRED

ARRIVAL 7:30 A.M. - 8:00 A.M.	CHECK IN AND CONTINENTAL BREAKFAST			
PANEL 8:00 A.M. - 9:00 A.M.	THE FUTURE OF TRANSPORTATION - PANEL DISCUSSION			
BREAK 9:00 A.M. - 9:30 A.M.	INTERMISSION AND STUDENT POSTER SESSION			
SESSION I 9:30 A.M. - 10:30 A.M.	FASTTRACKS QUALITY OF LIFE STUDY EFFECTS OF RAPID TRANSIT	SIGNAL REMOVAL STUDY PROCESS AND APPROACH	BIKE AND PED CONNECTIONS IN THE MILE HIGH CITY	SUCCESS IN EXPEDITING NEPA DOCUMENTS
	URBAN LRT TECHNOLOGY	AURORA PED LOS AT TOD	BIKE+TRANSIT INTEGRATION	NORTH I-25 EIS: NEPA
	INTEGRATING TRANSPORTATION & PUBLIC HEALTH OBJECTIONS	HIGHWAY SAFETY MANUAL, GIS AND ARTERIAL SAFETY	SAFETY IN NUMBERS: THE CASE OF BICYCLISTS IN BOULDER.	NEW STRATEGY FOR CORRIDOR TRANSPORTATION PLANNING
10:30 A.M. - 11:00 A.M.	INTERMISSION			
SESSION II 11:00 A.M. - 12:00 P.M.	GROWING A COOLER COLORADO LIVABILITY IN THE NATION'S CAPITAL	INNOVATIVE ITS ON I-70 MT AURORA STRATEGIC PARKING	TRAVEL CHOICES VIA SMART GROWTH EAST SIDE MOBILITY PLAN	PANEL : PLANNING FOR STREETCAR IN COLORADO
	MEASURING NON MOTOR TRAVEL REDUCTIONS IN CARBON OUTPUT	MINING DATA IN THE CLOUDS STREAMING WEB MAPS IN GIS	OVERVIEW OF ROADWAY SUSTAINABILITY METRIC SYSTEMS	
	LUNCH CHILI GLAZED SALMON, BISTRO STYLE CHICKEN OR EGGPLANT PARMESAN			
LUNCHEON 12:00 P.M. - 1:00 P.M.	ANNOUNCEMENTS AND SECTION BUSINESS			
1:00 P.M. - 1:15 P.M.				
KEYNOTE SPEAKER 1:15 P.M. - 2:00 P.M.	PETER PARK , CITY AND COUNTY OF DENVER MANAGER OF COMMUNITY PLANNING AND DEVELOPMENT			
2:00 P.M. - 3:00 P.M.	OPEN HOUSE AND SOCIAL HOUR			

9TH ANNUAL SPRING
**TRANSPORTATION
SYMPOSIUM**

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SPONSORSHIPS AVAILABLE. CONTACT STACY TSCHUOR AT (720) 946-0969 OR SST@DEAINC.COM.

FOR EVENT OR REGISTRATION QUESTIONS CONTACT KARL PACKER 720-939-0826 OR KARLPACKER@HOTMAIL.COM

NET PROCEEDS GO TO FUND SCHOLARSHIP PROGRAMS FOR HOSTING ORGANIZATIONS