


# the Green Mountain Civil Report

<http://sections.asce.org/vermont>

**ASCE**  
American Society of Civil Engineers




**www.asce.org**      **January/February 2010**      **1-800-548-ASCE**

**President’s Message**

A lot has happened since our last newsletter was published. Our 2cd Annual Student Ski Day Event at Sugarbush had a great turnout. The event was paired with our January Dinner Meeting presentation on the Sugarbush Base Lodge Redevelopment Project provided by Jason Lasai. We look forward to next year’s event!

We also had the Engineers Week Banquet on Friday February 19<sup>th</sup>. At the banquet, Bill Baumann Jr., P.E. and Jason Booth, P.E. were awarded the Vermont Engineer of the Year and Young Engineer of the Year honors, respectively. Also, Kevin Hand, an astrobiologist for NASA, made an extraordinary presentation on the quest for life outside of Earth.

VT ASCE nominated Jason Booth, our President-Elect, and Bradley Aldrich, the 2008-2009 NSPE President, for the Young Engineer of the Year and Engineer of the Year honors, respectively. Jason went on to win the award for the entire State! Bradley Aldrich was recognized with the honor of becoming a Fellow Grade Member of ASCE this year as well. Both nominees will receive a plaque for this honor at our Annual May Meeting.

In the next few months before we break for summer, we will have a March Meeting at the Burlington International Airport. Robert McEwing, Director of Planning & Development, will be presenting on the vast expansion that the airport is going through and preparing for. Also, ASCE’s President-Elect, Kathy Caldwell, will be visiting Vermont in April. We will be hosting a Past-President’s Breakfast on the morning of April 16<sup>th</sup> and all members are invited to attend. A new Past-President’s Plaque will be unveiled at this Breakfast.

Our other April Meeting is joint with VSE and will be held on April 28<sup>th</sup>. UVM, Norwich, and VTC will be presenting their senior projects at this meeting. All other details are to be determined. Lastly, our Annual May Meeting where we induct the new Board of Directors for 2010-2011 will include a presentation and tour on porous pavement. All other details are to be determined.

This newsletter is chuck full of information about ASCE Nationals, Region I, the Vermont Section, and our neighboring sections. It also includes information about what’s going on with other engineering societies in Vermont. Please sift through all of the information.

Hope to see you all at our March Meeting at the Burlington International Airport.



Respectfully,  
~Amanda

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## 2009/2010 ASCE Meeting Schedule

### **March 2010**

#### VTASCE Meeting

Date: Thursday March 11<sup>th</sup>, 2010

Topic: Burlington International Airport  
Expansion

Speaker: Robert McEwing, Airport Engineer

Location: Burlington International Airport,  
S. Burlington VT

### **April 2010**

#### VSE Meeting

Date: Wednesday April 28<sup>th</sup>, 2010

### **May 2010**

#### VTASCE Annual Meeting

Date: TBD

Speaker: George McCain - URM, Jenn  
Finch - VAOT, George F. Pinder – UVM

Topic: Porous Pavement

Location: TBD

### **April 2010**

#### VTASCE Past-President's Breakfast

Date: Friday April 16<sup>th</sup>, 2010

Speaker: Kathy Caldwell, ASCE President-  
Elect

Location: TBD, Montpelier VT

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## VT ASCE Section News

### VTASCE FUND RAISERS - PLEASE HELP SUPPORT YOUR LOCAL SECTION!

#### **I. COMPANY DIRECTORY in VTASCE newsletter**

See attached flyer

#### **II. JOB POSTING in VTASCE newsletter**

See attached flyer

#### **III. CELL PHONE DONATION**

Consider donating your old cell phone to the ASCE VT SECTION. We will take your phone and turn it into cash and use it for our ASCE VT Section. Please bring your cell phone to our next meeting.

### UPDATE YOUR CONTACT INFORMATION

The Vermont Section of ASCE depends on its membership to update their member information with ASCE National. Please make sure ASCE has your latest contact information by calling 1-800-548-ASCE (2723)

### MESSAGE FROM THE EDITOR

The Green Mountain Civil Report is the newsletter of the Vermont Section of the American Society of Civil Engineers. This newsletter intends to keep you up-to-date on the activities of civil engineers around our state.

Please feel free to contact us with your announcements. We would be happy to include them in our newsletter. The newsletter is typically distributed via email, however if you would like a hard copy or if you are not receiving the E-Newsletter and would like to, please contact Benjamin D. Heath, E.I. (Newsletter Editor) at [bheath@uvm.edu](mailto:bheath@uvm.edu) or any of the officers listed at the end of the newsletter.

### MATHCOUNTS NEEDS YOU!

VSPE is currently seeking volunteers to assist with the 27<sup>th</sup> annual Mathcounts State Finals, which will be held in Randolph on Saturday, March 13, from 9:00am – 1:00 PM at Randolph Union High School. We will need approximately 20 people, who are willing to serve as proctors, graders, and runners, as well as those willing to provide general assistance in setting up the lunch and snacks. The MathCounts State Finals is a fun and exciting event for 80 middle school students from all over Vermont. It culminates in a buzzer-beater Jeopardy-like faceoff between pairs of student “mathletes” competing for the right to represent our state at the national competition in Orlando. If you are willing to volunteer or would like additional information, please contact KC Norris, P.E., at 893-2947 or [kcnorris1@myfairpoint.net](mailto:kcnorris1@myfairpoint.net).

## ASCE Webinar at the CCMPO

You're invited to the CCMPO offices to participate in a webinar hosted by the American Society of Civil Engineers – "Improving Pedestrian Crossing Safety at Uncontrolled Locations" – for more details see <https://secure.asce.org/files/estore/15705/ImprovingPedCrxSafetyUncLocFeb10.pdf>.

\*No need for you to register\* but please RSVP by February 24 to Bryan (bdavis@ccmpo.org, 802-660-4071 x17).

Friday, February 26, 12 - 1:30 p.m.  
CCMPO, 110 West Canal Street, Suite 202, Winooski

This will be a free brown bag event – bring your lunch to enjoy while you learn.

In 2003, the Transportation Research Board initiated The Transit Cooperative Research Program/National Cooperative Highway Research Program (TCRP/NCHRP) to research issues relating to pedestrian safety at uncontrolled locations. The presenter was part of the research team that ultimately prepared a report entitled, "Improving Pedestrian Safety at Unsignalized Crossings". Appendices B through O, which contain a lot of the backup technical information obtained from the research and other sources, was prepared as a standalone document. This presentation will provide a comprehensive discussion of the findings of this research project.

## ASCE MEMBERSHIP

### **What's New at ASCE in 2010?**

**New** - ASCE eLearning Workshops – Use free member-only access to live Web learning programs designed to help you hone critical career skills.

**New** - Expanded e-Mentoring Programs – Mentors and protégés benefit from an extended personal online network to exchange ideas, learn new skills, and share experiences.

**Growing** - Participate in EWB-USA – Help bring sustainable engineering projects to developing communities worldwide by joining or renewing with EWB-USA at an exclusive ASCE member discount.

ASCE gives you three easy ways to renew:

1. **Mail** in your 2010 renewal form, which was mailed on Sept. 8, 2009.

2. **Renew** online at [www.asce.org/renewal](http://www.asce.org/renewal) and help ASCE “go green” by conserving the paper used in mailing your renewal back and also saving on printing costs for future renewal notices.
3. **Call** ASCE Customer Service at (800) 548-ASCE (2723) or (703) 295-6300 between 9:00 a.m. – 5:00 p.m. ET, Monday-Friday.

## JEAN-GUY L. BELIVEAU

A UVM tribute was held to honor Jean-Guy Béliveau on Friday, September 18, 2009. Béliveau taught structural engineering at the University of Vermont College of Engineering and Mathematical Sciences (CEMS) from 1985 to February 2009 when he retired. He lost his courageous fight with cancer and passed away peacefully on Friday, July 17, 2009 at the Vermont Respite Home in Williston, Vermont. Prior to coming to UVM, Dr. Béliveau taught at l'Université de Sherbrooke, Quebec, Canada. He obtained his bachelor's degree in Civil Engineering from the University of Vermont in 1968, and a doctorate in Civil Engineering from Princeton University in 1974. He was commissioned as a Second Lieutenant in the ROTC in the U.S. Army in 1968, and frequently did consulting work for the military in his later years.

During his tenure as faculty at UVM, Jean-Guy served as chair of the Department of Civil Engineering and advised graduate and undergraduate students throughout his career both in Canada and the United States. He was a licensed professional engineer in Canada and the U.S., with over 60 technical publications, 20 journal publications, and more than 20 technical reports.

Jean-Guy received the highest honor as “Fellow” by The American Society of Civil Engineers (ASCE). His service impacted teachers, educators, engineers, and professionals as he served as ASCE Vermont Section President, and as the Vermont State Coordinator for MATHCOUNTS- a nationwide middle school math competition.

### **In remembrance of Dr. Jean-Guy Beliveau funds may be donated to support:**

The "Jean-Guy Beliveau Memorial Fund" for UVM CEMS Senior Experience in Engineering Design (SEED). Donations should be sent to: Jean-Guy Beliveau Memorial Fund and mailed to UVM, 411 Main Street, Burlington, VT 05405., OR

The "NSPE Dr. Jean-Guy Béliveau Scholarship Fund" to be awarded to a student of engineering going to an ABET Engineering College or University. Make checks payable to: "Béliveau NSPE Scholarship Fund" and mail to: NSPE: VSPE, c/o Forcier Aldrich & Assoc., 6 Market Place, Essex Junction, VT 05452

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**Civil Engineering**  
**Companies/Univ./Societies in**  
**Vermont:**  
**News and Announcements**

**ASDSO SCHOLARSHIP PROGRAM**  
**AND STUDENT PAPER**  
**COMPETITION**

This year the Association of State Dam Safety Officials will award up to \$10,000 in scholarships to undergraduates planning careers related to the field of dam safety and up to \$1,500 to winners of the ASDSO's second student paper competition. Please contact Jennifer Burns or Sarah McCubbin-Cain (859-257-5140) or infor@damsafety.org

**"Bounty" Offered to Sections and**  
**Branches for Peer Review Referrals**

Sections and Branches appreciate additional revenue sources to help carry out their programs and services. There is now another source of income available from ASCE National. The Committee on Peer Review for Public Agencies is introducing a \$250 incentive for referrals that result in a peer review.

**What is Peer Review?**

The purpose of ASCE's Peer Review for Public Agencies Program is to help public sector engineering and construction agencies improve the management and quality of their engineering services through a quick, confidential, and affordable process. Reviewers study an organization's policies and objectives and conduct staff interviews to determine how well those policies and procedures are understood and practiced. Management areas covered include: organizational management, project management, emergency management, technical procedures, human resource management, finance, and public relations. The focus may cover planning, design,

construction, operations, and maintenance -- and can include an entire agency or just a portion. The team concludes the process with an oral report to the engineer/director requesting the review, and if requested follows up later with a written report.

The process was modeled after a similar one used by the American Council of Engineering Companies in the late 1980's. Since 1987, almost 70 different local entities have benefitted from the ASCE Peer Review for Public Agencies program. Typical comments include "We were and still are very happy with the review that was performed." and "Experience showed and was very valuable." More information, including a brochure, is available on the ASCE Web site at [http://www.asce.org/professional/peereview/peer\\_review.cfm](http://www.asce.org/professional/peereview/peer_review.cfm).

ASCE Peer Review is a voluntary and confidential program for public infrastructure organizations and is conducted by experienced government engineer managers who are trained in the process. Timing is typically controlled by the requesting agency. A review can be done quickly. The turnaround time can be within 90 days of the request. Cost is low for this kind of study since reviewers volunteer their time, and therefore no cost is included for their salaries. The fee covers reviewer travel costs and administration. It typically ranges from \$6,000 to \$20,000 but depends on the size of the agency being reviewed and whether the agency requests a more customized review to address specific challenges or opportunities that they are facing.

**Benefits of a Peer Review**

A peer review provides an objective outside assessment of strengths and weaknesses by fellow government engineers experienced in leadership and management. They have no stake in future work; their intent is to provide a useful service to colleagues. Agency management can gain insights into procedural difficulties, communication obstacles, organizational problems, and employee morale but also positive reinforcement from staff feedback. This helps them prioritize and implement suggestions for improvement of effectiveness in a manner that utilizes both staff and management input.

**Incentive process**

Sections and Branches should email Becky Waldrup, ASCE's staff contact for the Committee on Peer Review for Public Agencies, at [rwaldrup@asce.org](mailto:rwaldrup@asce.org) to recommend an agency. Provide the following information:

1. ASCE Section or Branch name and contact, and
2. Government agency name and contact information.

Becky will acknowledge your submission, enter the contact information into ASCE's Peer Review tracking system, and follow-up with the agency to determine their interest. Upon completion of a review and payment of the review fee, the 'nominating' Section or Branch will receive payment of \$250. There is no limit on the number of referrals that a Sections and Branches may make or the number of referral fees that they may earn.

Agencies who have used this service have found that the process is very valuable. The Committee on Peer Review for Public Agencies hopes that this incentive offer will increase the exposure of this service. Please consider participating in the referral program for the benefit of your local public agencies as well as for the financial assistance that it will provide to your Section or Branch.

attending the event. Details of the event will be formalized and distributed shortly.

- Plans for the September Assembly are also in Progress. The event will be held in Ithaca, NY on September 24-26, 2010. A special thanks to the Ithaca Section, Bill Merwarth, and Len Cilli for the past and future efforts.
- I periodically develop a Director's Report to provide a snapshot of the ongoing activities being undertaken by ASCE on a National level. The reports are located on the Region 1 website. I encourage you to review the reports and provide me feedback.

## ASCE presses for long-term infrastructure solutions

*In response to President Obama's comments on infrastructure in his State of the Union address, ASCE has issued this statement by 2010 President Blaine D. Leonard, P.E., D.GE, F.ASCE:*

We appreciate that the president mentioned in his address that railroads and the Interstate Highway System are critical investments in American infrastructure. He also spoke about how investments in infrastructure are investments in nation building. But the fact is, in recent decades we've stopped investing in our future. We are still driving on Eisenhower's roads and sending our kids to Roosevelt's schools.

The broken water mains, gridlocked streets, crumbling dams and levees, and delayed flights that come from failing infrastructure have a negative impact on the checkbook and on the quality of life of each and every American. Investing in America's infrastructure will support and create jobs -- an essential function for economic recovery -- as well as bring tangible personal benefits to Americans, like safer communities, less money spent on gas and more time with our families due to shorter commutes.

The President's leadership on infrastructure is essential for our future prosperity. We need a bipartisan commitment to create a long-term plan for our infrastructure; one that includes sufficient funding levels and dedicated revenue sources. Without that, anything we do now will be nothing more than a band-aid.

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## ASCE National Information/News

### Regional News

Anthony Puntin, P.E.  
Region 1 Society Director

Just a quick note regarding events and happenings in ASCE's #1 Region:

- Please be sure to visit the Region 1 website (<http://region1.asce.org>). If your section or branch has an event that you would like to post on the website, please contact Regional Governor and Webmaster Shawn Kelly. Contact information for all of the Governors and myself are located on the Region 1 website.
- Despite the snow that blanketed the mid-Atlantic and Southeast, the Leadership Conference held in Atlanta was a tremendous success. ASCE staff from Reston, VA and Washington, D.C. put on a great event. Get ready for next year. The New Hampshire and Maine Sections will be hosting the 2011 Leadership Conference next January in Portland, ME.
- The upcoming Region 1 Assembly in Albany, NY on April 17-18 is coming together. Tony DeFranco (Mohawk Section) and Mark Rusnica (Region 1 Governor) have been working diligently on the event. We are honored to have Society President-elect Kathy Caldwell

Contact your U.S. Senators and urge them to include a major infrastructure component in job creation legislation.

## ASCE donates \$10,000, works to support Haiti

Reflecting the sympathy the American Society of Civil Engineers feels toward the victims of the Jan. 12 earthquake in Haiti, the Board of Directors on Friday approved a \$10,000 donation to relief efforts through our longstanding partner, the American Red Cross. While ASCE coordinates with government and relief agencies to determine the best courses of action for restoring lifeline infrastructure, the Society encourages financial donations at this time as the most immediate means of help to relieve the suffering and loss. A team from ASCE's Technical Council on Lifeline Earthquake Engineering, including experts from COPRI and EWRI, will be heading to Haiti in the coming weeks to assess the damage firsthand.

### **How you can help**

- Send \$10 immediately to the American Red Cross relief effort by texting **Haiti** to **90999** from your cell phone. The donation will appear on your cell phone bill. Or donate via the American Red Cross site.
- Nearly 1,000 ASCE members have signed up to volunteer in Haiti via the Society's Disaster Assistance Volunteer Directory. The directory will be shared with qualified groups and agencies that are part of on-the-ground volunteer efforts. Note that during initial relief efforts, volunteers must already have specialized disaster volunteer training and experience, and be deployed as part of coordinated, official relief efforts. Above all, don't go on your own. To qualify for future relief efforts, take a disaster management course such as those offered by ASCE's Committee on Critical Infrastructure, register with FEMA or your local Red Cross.

## National Council of Structural Engineers Association

**JANUARY 18, 2010** - The National Council of Structural Engineers Associations (NCSEA) expresses its deep sorrow for the devastating losses suffered by the people of Haiti in the January 12<sup>th</sup> earthquake that struck

Port-Au-Prince and the surrounding areas. It is our fervent hope that assistance of the United States and other countries around the world helps to alleviate the suffering to the greatest extent possible.

The Structural Engineering profession is committed to protecting the public safety; and a number of Structural Engineers are already participating in the rescue efforts in Haiti as members of search and rescue teams. The expertise of our members is vital to ensure the safe removal of debris and the design of temporary support shoring needed to extricate victims trapped in the rubble of collapsed structures.

NCSEA maintains a Structural Engineers Emergency Response (SEER) committee that consists of volunteer structural engineers across the country, trained in the structural engineering aspects of emergency response to earthquakes, hurricanes, and other natural or man-made disasters. The SEER Committee is currently communicating with the government and private sector to identify ways in which the structural engineering community can lend its talents, skills and experience. At the present time, however, public and private sector personnel are reminded that they should not self-deploy to affected areas. The United States Department of State is coordinating foreign disaster assistance, and U.S. assets should deploy only if tasked to do so by the State Department. The most urgent need at the present time is supporting ongoing disaster relief fundraising efforts. When requests for technical support are received through the proper authorities, NCSEA will look to its Member Organizations to provide trained volunteers.

The Haiti earthquake, as well as earthquakes in Turkey, India and China in the last decade, demonstrate the critical importance of designing structures in seismically vulnerable regions to meet the requirements of modern seismic codes, like the ones used by Structural Engineers in the United States for almost forty years. In addition to proper design, the process of construction and inspection must strictly enforce the design intent to ensure that the structures will protect the safety of the occupants in the event of a major earthquake. In the United States, even higher standards are set in our codes for critical buildings, such as hospitals, police and fire stations, and other structures needed for immediate post-earthquake response.

Vulnerable structures still exist in the U.S., similar to those that collapsed in Haiti. These structures are unreinforced masonry and non-ductile concrete frame buildings built before the mid-1970's. Structural Engineers now have the tools, however, to evaluate and design retrofit schemes that can make these vulnerable

structures safe from collapse. Some government agencies, major corporations and other building owners have taken steps to mitigate the hazard posed by vulnerable existing buildings; but more needs to be done if major cities and small towns in seismically vulnerable areas of the United States are going to be resilient enough to avoid the types of devastation suffered in Haiti and other countries when a violent earthquake strikes.

## ABOUT THE NATIONAL COUNCIL OF STRUCTURAL ENGINEERS ASSOCIATIONS

NCSEA serves to advance the practice of structural engineering and, as the national voice for practicing structural engineers, protect the public's right to safe, sustainable and cost effective buildings, bridges and other structures. Visit our website for more information at [www.NCSEA.com](http://www.NCSEA.com). For more details regarding this press release, please contact Jeanne Vogelzang, Executive Director, NCSEA: 312-649-4600 ext. 201.

## INTERESTED IN PRE-LICENSURE EXPERIENCE

ASCE's Committee on Academic Prerequisites for Professional Practice (CAP<sup>3</sup>), the group charged with implementing ASCE Policy Statement 465, is organizing the Body of Knowledge Experiential Fulfillment Committee (BOKE<sup>3</sup>FC). This committee will work to create pre-licensure experience guidelines that are supportive of the expectations of Second Edition of the Body of Knowledge (BOK<sup>2</sup>), and which evolve into regulatory mechanisms in engineering licensure.

These experiential guidelines should complement and supplement the outcomes fulfilled through the formal educational process through "B + M/30" (baccalaureate plus the master's or approximately 30 credits of coordinated graduate or upper level undergraduate engineering credits). The new BOKE<sup>3</sup>FC will be charged to establish these experience guidelines. Key references will be the *Vision for Civil Engineering in 2025* and the *Civil Engineering Body of Knowledge for the 21st Century* (2nd Edition).

CAP<sup>3</sup> is interested in attracting civil engineering practitioners from a diverse cross-section of the engineering profession — especially individuals involved with the development of engineer interns (EI)

towards professional licensure. Up to ten individuals will be selected as full members of this new committee -- and up to twenty other individuals will be selected as active correspondents. This effort will commence in December 2008 and finish no later than October 2010. The time and work commitment is considerably more than the average ASCE or professional committee. Interested members are urged to review the draft charge of the committee – and other documents related to the implementation of ASCE Policy 465 posted at [asce.org/raisethebar](http://asce.org/raisethebar). An application form for committee membership is also posted to this website – and must be returned to ASCE no later than Oct. 31. It is anticipated that the application pool will be much larger than the authorized size of the committee. Questions regarding the committee should be sent to Monte Phillips, Chair of BOKE<sup>3</sup>FC ([mlphillips@unitelc.com](mailto:mlphillips@unitelc.com)); Jeffrey Russell, Chair of CAP<sup>3</sup> ([russell@enr.wisc.edu](mailto:russell@enr.wisc.edu)); or Tom Lenox, ASCE Senior Managing Director ([tlenox@asce.org](mailto:tlenox@asce.org)).

## CONTINUING EDUCATION WEBINARS (February 2010)

For more information on ASCE's webinars, go to  
[http://www.asce.org/conted/distancelearning/online\\_webseminars.cfm](http://www.asce.org/conted/distancelearning/online_webseminars.cfm)

Feb 01, 2010	Sustainable Stormwater Hydrology: Concepts to Reduce Hydrologic Footprint
Feb 02, 2010	Wind and Seismic Retrofit of Concrete Buildings
Feb 03, 2010	More, Better, Faster: Existing and Innovative Interchange Designs
Feb 04, 2010	Implementing Design-Build in the Public Sector
Feb 04, 2010	Using Whole Systems Design Techniques to Improve Sustainable Performance
Feb 05, 2010	If You Haven't Planned It - You Can't Control It
Feb 08, 2010	Load and Resistance Factor Design (LRFD) for Geotechnical Engineering Features: Drilled Shaft
Feb 09, 2010	Condition Evaluation of Existing Structures
Feb 10, 2010	An Introduction to the Facilities Planning Process: Area Development Plans
Feb 11, 2010- Mar 25, 2010	Seismic + P.E. Civil Exam Review: 12-Part Series

Feb 11, 2010- Apr 01, 2010	Seismic + P.E. Civil Exam Review: 15-Part Series - Includes Depth Sessions
Feb 11, 2010- Mar 24, 2010	Seismic + P.E. Structural I Exam Review: Six-Part Series
Feb 11 Feb 11 Feb 11	Renovation of Wood Trusses
Feb 12, 2010	Improved Project Communication: Within and Outside of the Project Team

## LIQUID ASSETS

*Liquid Assets* is a public media and outreach initiative that seeks to inform the nation about the critical role that our water infrastructure plays in protecting public health and promoting economic prosperity.

Combining a ninety-minute documentary with a community toolkit for facilitating local involvement, *Liquid Assets* explores the history, engineering, and political and economic challenges of our water infrastructure, and engages communities in local discussion about public water and wastewater issues.

Visit <http://liquidassets.psu.edu/index.html> to view the trailer of this excellent program.

## SMARTBRIEF BY ASCE

ASCE SmartBrief is a FREE e-mail news service that summarizes the day's most important news as it relates to civil engineers. Each day, ASCE SmartBrief delivers:

- Links to stories that matter, selected from hundreds of top news sources.
- Summaries of articles relevant to you, handpicked by SmartBrief's editorial staff.
- Wireless functionality for mobile readers.
- The latest information from ASCE.

ASCE SmartBrief is available at no cost to you. Please visit [www.smartbrief.com/asce](http://www.smartbrief.com/asce) for information on how to sign up.

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## ASCE GOVERNMENT RELATIONS

### KEY CONTACT PROGRAM

The ASCE Key Contact Program provides busy civil engineers with opportunities to get involved in public policy activities.

Joining is easy! Visit <http://www.asce.org/govrel> and click on "Key Contact Program" to complete the online registration form. Brochures and additional information materials are available to distribute at Section and Branch meetings and gatherings. Contact Leslie Nolen, ASCE's Senior Manager of Grassroots and State Government Relations, at [lnolen@asce.org](mailto:lnolen@asce.org) or 202-789-7846 for more information.

### ASCE'S INTERNET ADVOCACY WEBSITE

(<http://www.asce.org/pressroom/publicpolicy/advocacy.cfm>)

An easy way to connect with your legislators to...

- Send your federal or state representative a message on current civil engineering legislation.
- Learn about issues and bills affecting civil engineering that are active in congress and your state legislature.
- Track how your U.S. Representative and Senators voted on key ASCE bills.

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## UPCOMING EVENTS

### Design Steel Your Way II Efficient Analysis for Steel Design using the 2005 AISC Specification

Can you imagine designing without ever having to calculate a *K*-factor again? It's an option now, called the Direct Analysis Method. Attend this seminar and you will understand the principles of analysis and design that are the basis of the 2005 AISC Specification for Structural Steel Buildings. Learn an approach to design that results in an economical structural steel solution achieved with the efficiency required of a design office. See the basic differences between first-order analysis

and second-order analysis, when and why second-order analysis must be used, and how to use the various methods provided for in ANSI/AISC 360.

You will learn about stability of structural frames, the use and misuse of the effective length factor,  $K$ , and the how and why of design without the need for  $K$ . Extensive analysis and design examples will be provided so that attendees have guidance to follow when approaching their own specific projects. Although specific software will not be discussed, examples will be presented that illustrate how to carry out the new Direct Analysis Method with the currently available software and how to evaluate your own software for accomplishing an acceptable analysis.

Each attendee will receive a copy of the Course Notes and AISC's Basic Design Values card.

#### **Author and Speaker:**

**Louis F. Geschwindner, Ph.D., P.E.** is Vice President for Special Projects of AISC and Professor Emeritus of Architectural Engineering at The Pennsylvania State University. He received his Bachelor's degree in building science from Rensselaer Polytechnic Institute and both his Master of Science in architectural engineering and his Ph.D. in civil engineering from The Pennsylvania State University. He is a Registered Professional Engineer and was a faculty member at Penn State for more than 35 years, teaching and conducting research in building structures. Professor Geschwindner is past chairman of the Committee on Design of Steel Building Structures of the Structural Engineering Institute of American Society of Civil Engineers (SEI/ASCE) and is currently a member of the AISC Committee on Specifications, Chairing its Member Design technical committee. Dr. Geschwindner has been an author and presenter in many of the American Institute of Steel Construction lecture series.

Continuing Education Credit: Attendees will receive 0.80 CEUs / 8.0 PDHs

#### **Seminar Agenda**

7:30 am: Sign-in and Breakfast/Refreshments  
8:00 am: Seminar Begins  
Noon: Lunch (provided)  
5:00 pm : Seminar Concludes

#### **Fees & Registration:**

Visit [www.aisc.org](http://www.aisc.org) for registration information

## **2010 WORLD ENVIRONMENTAL & WATER RESOURCES CONGRESS**

<http://content.asce.org/conferences/ewri2010/>

The American Society of Civil Engineers' Environmental & Water Resources Institute invites you to the 2010 World Environmental & Water Resources Congress in Providence, Rhode Island, May 16-20, 2010.

The Congress Steering Committee is putting together a program that is intellectually and professionally stimulating as well as FUN. The program will include outstanding plenary sessions and technical presentations that address the Challenges of Change that we as a society are facing. It will also be the site of our annual committee meetings and offer fun social events that allow us to renew old friendships and make new ones.

The World Environmental & Water Resources Congress is an important opportunity for professionals in the environmental and water fields to convene and focus on topics of the day. This year's technical program focuses on the Challenges of Change. It is imperative that the environmental and engineering community take a leadership role in addressing the changes that are so prevalent in today's society, whether they be technical, economic, social, environmental or political.

For more information contact: Dr. Richard N. Palmer, Department Head and Professor Civil and Environmental Engineering, 222 Marston Hall, University of Massachusetts, 130 Natural Resources Road, Amherst, MA 01003-9293, [palmer@ecs.umass.edu](mailto:palmer@ecs.umass.edu), Voice: 413 545 2508, Fax: 413 545 2840

## 2009/2010 ASCE VERMONT SECTION OFFICERS

**Past President: Shawn P. Kelley, Ph.D., M. ASCE** (skelley@geodesign.net)

**President: Amanda Hanaway-Corrente, M. ASCE** (amanda.hanaway@gmail.com)

**President-Elect: Jason R. Booth, P.E., M. ASCE,** (jbooth@forcieraldrich.com)

**Treasurer: Jessica Clark, M. ASCE** (jessicac@miloneandmacbroom.com)

**Secretary: Bernie Gagnon , P.E., M. ASCE** (bgagnon@shelburnevt.org)

**New England Council Delegates:**  
**Floyd Sheesley, P.E., M. ASCE,** (fsheesley@town.colchester.vt.us)  
**Eugene Sevi, Ph.D., P.E., M. ASCE,** (sevi@norwich.edu)

**Membership Chairperson: Peter McCormack, P.E., M. ASCE** (pmac@realloghomes.com)

**Newsletter Editor: Benjamin D. Heath, E.I., M. ASCE** (bheath@uvm.edu)

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**Student Practitioner Advisors:**

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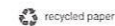
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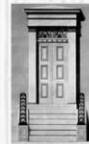
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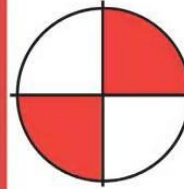
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