Connecticut Society of Civil Engineers

www.csce.org
Section of the American Society of Civil Engineers

125th Anniversary of CSCE

November 2009 Newsletter

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President’s Message

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Employment Opportunities
November Dinner Meeting

Pile Foundations

Date: Tuesday, November 17, 2009

Location: Hartford Marriott – Rocky Hill, 100 Capital Boulevard, Rocky Hill, CT

Speaker: Lawrence F. Johnsen, P.E., Heller and Johnsen

Description: Heller and Johnsen focuses on finding solutions to difficult geotechnical and foundations problems. Mr. Johnsen will present an overview of the different types of pile foundations that are available and used in the northeast with an emphasis on micropiles, helical piles, auger cast piles, pressure injected footings and Atlas piers. He will also discuss recent changes in the IBC and local codes as well as future changes being considered. Larry Johnsen is a principal at Heller and Johnsen in Stratford. He is the chairman of the DFI Codes and Standards Committee and the past chairman of the ASCE GI Grouting Committee.

Cost: $35 CSCE members $45 Non-members $15 Students

In honor of Veterans Day, there is no cost for CSCE members who are active in or retired from the military.

*Please pay at the door with cash or check payable to CSCE*

Time: 5:30 – 6:30 pm Social hour

6:30 – 7:30 pm Dinner

7:30 pm Program

Dinner: Choice of Chicken Piccata, Grilled Salmon with Lemon Dill Butter, London Broil with Sherry Mushroom Sauce, or Vegetable Lasagna Roulade

Directions: From the north, take I-91 South to Exit 23. At the top of ramp, turn left. At second traffic light, turn right. Hotel is first entrance on right. From the south, take I-91 North to Exit 23. At the top of the ramp, turn right onto West Street. Turn slight right onto Capital Boulevard. The hotel is located at 100 Capital Boulevard on the right.
President’s Message

As President of CSCE, I was invited by UConn Professor John Ivan to speak to his class on Professional Issues. This is a class of mostly senior Civil Engineering students and I was to speak about “Service in Professional Organization” such as CSCE. Other topics for this class included “Social and Environmental Impacts of Engineering Design” and “Professional and Ethical Responsibility”—all good discussion for our future graduates….

Back to my task at hand in addressing the UConn Students… In thinking about what I would say I wanted to show these young minds that CSCE and other Professional Organizations provide solid proof that you reap what you sow. Your Engineering Career can be as exciting as you make it. Following is a summary of what I presented as the benefits of Service in a Professional Organization:

*Leadership Opportunities – to serve or head a committee within your organization and achieve a high level of responsibility early in your career.

*Opportunity to work with others—meet and develop relationships from all points of the Civil Engineering compass – a Consulting Engineer working with Government Engineers, Construction Engineers, etc.—all with different and valid perspectives to learn from and work as a team for a common purpose.

*Gain experience in public speaking.

*Professional Development Opportunities – enhance your technical skills by attending seminars of interest in Continuing Education.

*Contacts and Networking – broaden your network of fellow Engineers for technical resources and job opportunities.

*Achieve Political Clout – through the broader coalition represented by your Professional Organization, you can achieve greater political clout and enable Civil Engineers to have a larger role in Society.

And lastly—

*Duty Calls – to maintain Civil Engineering as a Profession we can all be proud of requires volunteers to do the hard work or organizing seminars, protecting the professional practice of engineering by competent licensed engineers and other valuable functions provided by Professional Societies.

My discussion with the UConn students appeared to go well enough—albeit less questions than I would have liked. Before I let the students go, however, I got on my soapbox to add a couple of my observations about their education and activities. I encouraged the following:
*Sharpen your communication skills – both verbal and written. Be able to write an impressive letter to express your ideas, make effective presentations and be well read.

*Get Out and About – volunteer your time on town boards, civic, religious, or sports organizations. Civil Engineers have a lot to offer due to our organizational and logic-based thought training. Volunteer as a mentor in a program such as Big Brothers/Big Sisters.

*Get some Construction Experience – work summers for a construction company, apply for an internship or work as a construction inspector. See how things really get built and it will make you a better designer.

I left without knowing whether any of this sunk in – as these poor young people are probably more worried about finding a job soon in tough times though I believe that doing some of the above will aid them in that job search. I did close by congratulating them on an excellent career choice that they will be proud of the rest of their lives – and better times will return.

Ronald J. Nault, P.E., M. ASCE
President

Happy Thanksgiving!

Wishing everyone a very Happy Thanksgiving and safety in your travels over the holiday.
Upcoming CSCE Events

November 2009

Tuesday, November 17th – Monthly dinner meeting hosted by Central Connecticut State University

November 2 – 30 – CSCE 125th Anniversary Display at the State Legislative Office Building, Hartford (near the café entrance)

December 2009

Saturday, December 5th – UConn Football game vs. University of South Florida & pre-game tailgate – see flyer in the newsletter for details

2009 – 2010 Monthly Dinner Meetings

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<tr>
<th>Month</th>
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<th>Location</th>
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<tr>
<td>December</td>
<td>no meeting</td>
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<tr>
<td>January</td>
<td>January 20, 2010</td>
<td>Fairfield County Branch, location TBD</td>
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<tr>
<td>February</td>
<td>Engineers Week joint dinner – Date TBD @ Hawthorne Inn</td>
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<tr>
<td>March</td>
<td>March 16th @ University of New Haven</td>
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<tr>
<td>April</td>
<td>April 20th @ US Coast Guard Academy</td>
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<tr>
<td>May</td>
<td>May 11th – 3rd Annual ACE Awards @ Aqua Turf Club</td>
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ACSE National Conferences

2010 Structures Congress – May 12-14, 2010, Orlando, FL

2010 World Environmental and Water Resources Congress – May 16 – 20, 2010, Providence, RI
Visit [http://content.asce.org/conferences/ewri2010](http://content.asce.org/conferences/ewri2010) for more information.

For a complete listing of all ASCE conferences, please visit: [http://asce.org/conferences](http://asce.org/conferences)

If you have or know of an event that you would like to include in the newsletter, please send an email to NL-Editor@csce.org.
In honor of Veterans Day, those CSCE members that are active in or retired from the military may attend the November dinner meeting free of charge.
CSCE YOUNGER MEMBER COMMITTEE

UCONN HUSKIES TAILGATE & FOOTBALL GAME

DECEMBER 5, 2009

COME WATCH CONNECTICUT'S OWN UCONN HUSKIES TAKE ON THE SOUTH FLORIDA BULLS

PRICE: $20.00

PRICE INCLUDES:
PRE-GAME TAILGATE
ONE GAME TICKET

TAILGATE: 10:00am
GAME TIME: NOON

CONTACT MARK PEREIRA AT 203-271-0379 OR mapereira@woodardcurran.com BY NOVEMBER 22, 2009
LAST CALL!!

This is a reminder that ASCE needs your help to finish improving Manual No. 45, How to Work Effectively With Consulting Engineers, which provides guidance on procuring engineering services for a quality project. In order to provide the most accurate information on compensation for engineering services, it is critical that we obtain a broad response of actual project data. We are asking principals and project managers to submit one survey per office, but to provide information on several of your projects. The survey is available at http://www.asce.org/m45. Please share this link with others in your office who may need to provide information to complete this survey.

The survey is completely confidential and only ASCE staff will have access to individual survey responses and contact information. Each respondent who submits a completed survey before November 30, 2009 will receive a $10 discount on the purchase of any ASCE publication.

If you have any questions or would like information on an alternate method to submit the survey, you may call Becky Waldrup, Manager, Professional Practice at 800-548-2723, ext. 6281 or send an e-mail to rwaldrup@asce.org.

Thank you for your help, and thank you to all of you who have already submitted your completed surveys. Previous respondents were entered into a drawing for an iPod Nano, which was awarded to ASCE member Timothy Granata.

For more information on the current edition of Manual 45 and other ASCE Manuals of Practice visit ASCE Publications - Manuals of Practice.
CSCE can **Win $1,250** by having the highest percentage of renewed members by **December 1, 2009**. One ASCE Section from each category (Large, Medium, Small) will each win a cash prize of $1,250. So get in the Section Renewal Race right now - and end 2009 with a strong financial finish for CSCE.

Visit [http://content.asce.org/finishline/](http://content.asce.org/finishline/) or the ASCE homepage ([http://www.asce.org](http://www.asce.org)) for more information and to renew your membership.

**Spread the word - remind your fellow Section members to renew!**

Not yet a member? For more information go to [http://www.csce.org/membership.htm](http://www.csce.org/membership.htm) or click on “Membership” from the CSCE homepage.
Poughkeepsie-Highland Bridge dedication as National Historic Civil Engineering Landmark

On Saturday, October 17th, the Mohawk-Hudson Section and Mid-Hudson Branch of ASCE dedicated the Poughkeepsie-Highland Bridge across the Hudson River as a National Historic Civil Engineering Landmark. ASCE National President D. Wayne Klotz, P.E., Frank Griggs, P.E., Fred Schaefer, President of the Walkway Over the Hudson, Peter Melewski, Bergman Associates (project engineer), and Henry Petroski, Chair, ASCE History and Heritage Committee were present and provided commentary. The bridge is remarkable for its original construction and use, demise by fire in 1974, and the long rehabilitation to its present use as a spectacular walkway between Highland, N.Y. and Poughkeepsie, N.Y. some 200 feet above the Hudson.

The 6,767 foot long bridge opened for rail traffic in 1889. At the time it was the longest bridge in the world. It served to carry rail traffic over the Hudson for decades until a fire in 1974 on the eastern approach shut it down. Many efforts were made to preserve this bridge throughout the past 35 years. We credit Fred Schafer and the Walkway Over the Hudson as the driving force to raise the funds for the rehabilitation designed by Bergman Associates, Albany, N.Y., and constructed by Harrison and Burroughs Bridge Company, Glenmont, N.Y. Many contributed to the efforts.

CSCE Past President (2002-03) Randall T. States, P.E., his wife Laura Fawcett, and GeoDesign colleague William J. Frank, P.E., Past President Mid-Hudson Branch, were in attendance for the dedication.

Free parking is available on Haviland Road east of Routes 9W, NY 55 and US 44 and north of the Mid-Hudson Bridge. The pedestrian span is highly recommended for biking, hiking and general basking in the history and heritage of civil engineering.
From Left to Right: Ed Twiss, Mohawk Hudson Section President, William J. Frank, Mid-Hudson Branch Past President, Shahin Nejad, Mid Hudson Branch President, ASCE National Civil Engineering Landmark plaque, David G. Mognan, ASCE National Past President (2008), Tony Puntin, ASCE Region 1 Director, Mark P. Rusnica, Region 1 Governor, Fred Schafer, Walkway Over Hudson.

Randy States and Laura Fawcett "make like a bridge" on the newly dedicated Walkway over the Hudson.
At the unveiling of the Civil Engineering Landmark Plaque.
Benjamin Wright Award

The **Benjamin Wright Award** is CSCE’s highest award, presented each year to a civil engineer practicing in Connecticut who has demonstrated outstanding practice his or her career, and made significant contributions to civil engineering. Please consider nominating a deserving colleague. Nominations are due in April. The Executive Board will vote to determine the award winner and make the presentation at our annual ACE awards dinner in May. Candidates will be considered for several years following their nomination.

**Achievement in Civil Engineering - ACE Awards**

Mark your calendars for the 3rd Annual CSCE ACE Awards Dinner on May 11, 2010! The ACE Awards honor the design and construction achievements of Connecticut civil engineers. The Achievement in Civil Engineering or “ACE” Awards commend projects on which significant engineering expertise or innovation was exhibited by CSCE members. The ACE Awards will distinguish the projects, and thereby honor the overall contributions of numerous engineers and other team members. The ACE Awards recognize innovation and advancement in the field of Civil Engineering; contribution to the well-being of people and communities; excellence in the management of design and/or construction; accomplishment of project objectives in the face of significant challenges; ingenuity in construction techniques; and client satisfaction. Award categories include Construction, Geotechnical, Structural, Transportation, and Water Resources/Environmental. Look for more information in upcoming newsletters.

More information on the 2010 ACE Awards, including nomination information, will be available soon. Check future editions of the newsletter or [www.csce.org](http://www.csce.org) for updates.

ASCE has many honors and awards to recognize deserving members. For a complete listing of all ASCE awards, please visit [www.asce.org/awards](http://www.asce.org/awards).
2009 ACE Award Winners

**Water Resources/Environmental ACE Award**
Project: Sanitary & Storm Sewer Repairs, Middletown
Owner: Middletown Water & Sewer Department
Applicants: United International Corporation and DeRita Construction Company

**Water Resources/Environmental Award of Merit**
Project: Biological Nutrient Removal, Hartford WPCF
Owner: The Metropolitan District Commission
Applicant: Malcolm Pirnie, Inc.

**Transportation ACE Award**
Project: Truck Escape Ramp, Avon
Owner/Applicant: Connecticut Department of Transportation

**Transportation Award of Merit**
Project: Route 34 Roundabout & Roadway Improvement Project, New Haven
Owner: Connecticut Department of Transportation
Applicant: Tighe & Bond, Inc.

**Construction ACE Award**
Project: Middletown to Norwalk 345 kV Transmission Project, Bridgeport & Stratford
Owner: United Illuminating Company
Applicants: Black & Veatch Corporation and Luchs Consulting Engineers, LLC.

**Geotechnical ACE Award**
Project: New Haven Harbor’s Twin 48” Force Main Crossing, New Haven
Owner: Greater New Haven WPCA
Applicants: URS Corporation and GeoDesign, Inc.

**Structural ACE Award**
Project: Beacon Hall Conversion at Housatonic Community College, Bridgeport
Owner: Connecticut Department of Public Works
Applicant: GNCB Engineers

In addition, Representative Joe Serra was recognized as CSCE’s 2009 Legislator of the Year due to his long-standing service to the civil engineering industry in Connecticut, from his 37 years of service for the City of Middletown’s Public Works Department, to his serving as the Secretary-Treasurer for the Connecticut Association of Street and Highway Officials (CASHO) for the past 30 years, to his advocacy on behalf of the industry while serving as State Representative for the 33rd District in Middletown – a position he has held for the past 17 years.
EMPLOYMENT OPPORTUNITIES

**Structural Engineer** needed for reinforced concrete building foundations and concrete high rise designs. Please send resume to jrogers@pustola.com.

**Professional Civil Engineer: CME Associates, Inc.** is seeking a full-time Civil Engineer to work in our East Hartford office. The ideal candidate possesses a CT PE License with a minimum of 7 years experience in highway/transportation design and is familiar with CT DOT policies and procedures. Proficiency in Microstation is required while experience with In-Roads is considered a plus. Interested candidates should send a cover letter, resume, and three references to: CME Associates, Inc., Attn: Human Resources, PO Box 849, Woodstock, CT 06281. CME is an Equal Opportunity Employer.

**Project Engineers and Civil Engineers:**
Growing Civil Engineering firm in central Connecticut is seeking Project Engineers and Civil Engineers with broad experience in roadway, bridge, water/wastewater and stormwater management. Excellent opportunity for professional growth and advancement. Cardinal Engineering has been serving municipalities and state agencies for 48 years. Cardinal offers an excellent benefit package and competitive salary. Interested candidates should send or email a cover letter and resume to Cardinal Engineering Associates, Inc. 3 Colony Street, Meriden, Ct. 06451, Telephone: 203-238-1969, Fax: 203-630-2056, Email: jac3@cardinal-engineering.com.

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**Are you a recent college grad, or about to be? Do you know someone who is, and think they’d be interested in joining ASCE?**

Did you know that ASCE offers pro-rated discounted membership dues for recent college graduates? From the year you graduated all the way through your 4th year after graduation you can get discounted dues. For more information visit [http://www.asce.org/membership](http://www.asce.org/membership).

**Are you a “Younger Member”?**

A Younger Member is considered to be 35 years of age or younger. The Younger Member Committee fosters the professional growth, ethical awareness, and technical competence of the Section's younger members. The Committee meets once a month, and organizes several activities throughout the year, including for fun and community service. Check future issues of this newsletter for upcoming events, including taking in a Hartford Wolfpack hockey game. If you are interested in joining the committee or want more information, contact Sara Ramsbottom at sara.ramsbottom@ct.gov.

Meetings for 2009-2010 will be the last Tuesday of each month, with the exception of December. The start time is usually about 5:30pm. The next meeting will be November 24th. The December meeting will be December 15th. Contact Sara Ramsbottom if you are a new member interested in attending so that you will be sure to get the meeting details.
The Connecticut Society of Civil Engineers was formed in 1884. Separately, the Connecticut Section of the American Society of Civil Engineers (ASCE) was founded in 1919. The two organizations merged in 1981. We represent about 1,600 civil engineers statewide.

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**2009-2010 CSCE NEWSLETTER ADVERTISING RATES**

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<td>B. One-Quarter Page $750 min 6 issues</td>
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Employment Classified Ads of five (5) lines or less (subject to editing) for in-state positions are published free of charge as a professional courtesy to our membership. We anticipate publishing at least eight issues per year. There are approximately 1600 subscribers to the CSCE Newsletter.