CSCE MONTHLY DINNER MEETING – October 2005

Date: Wednesday, October 19, 2005

Sponsor: University of New Haven CSCE Student Chapter and CSCE Water Resources Group

Speaker: Michael Dietz, Ph.D.
Stormwater Specialist
NEMO/UCONN Cooperative Extension System

Topic: The NEMO Program
NEMO is the acronym for Nonpoint Education for Municipal Officials. NEMO’s primary goal is to provide educational programs for local land use officials that address the relationship of land use to natural resource protection. In addition, NEMO provides workshops in land use planning issues for municipal officials, engineers, and educators. Mr. Dietz will give a brief overview of NEMO’s programs and will expand on its role in addressing stormwater quality issues.

Monitoring results from Low Impact Development (LID) projects in the state will be discussed. Data from a model rain garden that was monitored in Haddam, as well as from the Jordan Cove Project in Waterford will be presented. The Jordan Cove Project is a 10-year National Monitoring Program project, funded through CT DEP and US EPA, with the goal of investigating the impacts of a Low-Impact subdivision as compared to a traditional subdivision.

Location: Jimmies of Savin Rock, 5 Rock Street, West Haven, CT

Time: 5:30-6:30 PM Social Hour, 6:30-8:00 PM Dinner, 8:00-9:00 PM Program

Cost: Members: $30.00, Life Members $25.00, Full Time Students: $10.00
(Please make checks payable to CSCE)

Dinner: Prime Rib, Baked Stuffed Fillet of Sole, Baked Stuffed Chicken, or Vegetarian Primavera over Linguine

Reservations: Reservations are required. Please contact Cindy Roth at University of New Haven at (203) 932-7148, or e-mail croth@newhaven.edu.

Directions: From I-95 North (Exit 42, Sawmill Road): At bottom of exit ramp, turn left, and follow the road for about 2 miles until you reach the shoreline.
From I-95 South (Exit 42, Sawmill Road): At bottom of exit ramp, turn right, and follow the road for about 2 miles until you reach the shoreline.
PRESIDENTS MESSAGE

As I write this message, Hurricane Katrina and its disastrous impact on New Orleans and the Gulf Coast are still front-page news. A second large hurricane, Rita, has just become a category five storm and is predicted to severely damage portions of Texas. These storms and the devastation they leave behind are a true test to our profession. They test the strength of our buildings, levees, bridges, the resilience of our water distribution systems and other vital infrastructure. We have seen the impact on the residents of New Orleans when the infrastructure that so many take for granted is lost.

In the aftermath of this disaster, the Civil Engineering profession will have the opportunity to demonstrate leadership in the recovery and rebuilding efforts. I imagine that we will respond to this as our profession always has, with a quiet and steadfast determination to get the job done. We are rarely on the front-page or in front of the cameras, but when given a task, no matter the size, history has shown that we can deliver.

In the days immediately following Katrina, I was frustrated watching the endless video of the rising flood waters, broken levees and inoperable pump facilities. Feeling powerless to help, I searched the various relief organizations for a way in which I could volunteer and offer my professional skills. Unfortunately, both FEMA and the Red Cross could only accept volunteers that were already trained in disaster relief. We all know too well that there are going to be more hurricanes, earthquakes, and other natural disasters in the years to come. For this reason, CSCE will be investigating our ability to offer disaster relief training for our members. With this training, our members will have the ability to provide our technical knowledge and resources to help those who need our help the most.

On a much lighter note, we had a great turnout for CSCE’s September dinner meeting at the University of Connecticut. Art Gruhn, Chief Engineer for ConnDOT and John Gemetro, Vice President for O&G Industries, gave a great presentation on the Route 7, bridge fire and emergency repairs.

October will be packed full of events, including: the DFI Geotechnical Seminar, the Connecticut Construction Industries Association – Construction Career Days job fair, the ASCE National Convention in Los Angeles, and of course, our October Dinner meeting.

I look forward to seeing many of you at this month’s dinner meeting!

Thomas J. Roy, P.E.
President

FROM THE EDITOR

If you have any information you would like to publish in the CSCE Newsletter that would be of interest to civil engineers, this is a great opportunity to get your word out to approximately 2000 subscribers. All suggestions and comments regarding the content and/or format are welcome. Please contact Rabih M. Barakat, P.E., Newsletter Editor at 860-594-3389 or nl-editor@csce.org. In addition, we realize that due to the time required to put the newsletters together, print it and mail it, some of you might not be getting the newsletters in time to enable you to incorporate the monthly meeting into your schedule. For this reason please visit our website regularly WWW.CSCE.ORG and click on newsletters in order to be able to see it on line before you see it in your mailbox.
Marine Foundations Specialty Seminar

The DFI Marine Foundation Committee is presenting this one-day event on bridge and marine foundation design and construction. Case history presentations on bridge foundations in the USA and abroad are included in the technical program as well as historical bridge information, and testing of marine foundations.

Preliminary Program Schedule*

8:00-8:30 am  Continental Breakfast/Registration/Exhibitor Set-up

8:30-8:45 am  Introduction  Program Moderator: Ahmad Nadeem, Urban Engineers

8:45-9:15 am  Marine Foundations of Bridges in the Northeastern USA  James S. Graham, P.E., Norwalk Marine Contractors  Joel Moskowitz P.E., Mussel Rutledge Consult, Engrs.

9:15-10:00 am  Design & Construction of the Sutong Bridge Foundations  Robert B. Bittner P.E., Ben C. Gerwick Inc.

10:00-10:30 am  Route 49 (Banneker Bridge) over Salam River  James E. Macriani Jr., Urban Engineers Inc.

10:30-10:45 am  Break & Exhibits

10:45-11:45 am  Design & Construction of the Rion Antirion Bridge Foundations  Alain Packer, Geodynamique & Structure

11:45-12:15 pm  Large Diameter Shafts – Youghiogheny Reservoir Bridge  Paul J. Lewis P.E., Gannett Fleming Inc.

12:15-1:15 pm  Lunch

1:15-2:00 pm  Design of the Marine Foundations for the Skyway Project of the San Francisco Oakland Bay Bridge  Gerry Houslman, Moffatt & Nichol

2:00-2:45 pm  Installation of Marine Pile Foundations at the Skyway Project for the San Francisco Oakland Bay Bridge  Robb Swanson, General Construction Co.

2:45-3:15 pm  Design of Cooper River Bridge Foundations  Osama Salajah PhD, Ben C. Gerwick Inc.

3:15-3:30 pm  Break & Exhibits

3:30-4:00 pm  Static Load Testing of High Capacity Marine Foundations  Mike Muchard P.E., Applied Foundation Testing Inc.

4:00-4:30 pm  Foundations for Offshore Wind Energy Converters: Review of Current Scandinavian Development Projects  Kenneth Viking, Ramboll Sverige AB

4:30-5:00 pm  Construction Techniques Used to Build the Drilled Shafts for the Victory Bridge  T. Jason Hardell, George Harns Construction Co. Inc.

5:00-6:00 pm  Meet & Greet Cocktail Reception in Exhibition Hall

6:00-6:30 pm  Exhibitor Breakdown  *Program subject to change

Sponsor:
320 Lafayette Avenue, Hawthorne, NJ 07506  1221 Avenue of the Americas, New York, NY 10020
Tel: (973) 423-4030  Fax: (973) 423-4031  Tel: (212) 512-6510  Fax: (212) 512-2711
Web: www.dfi.org  Web: www.mcgraw-hill.com

Accommodation:
Contact Lorraine Engelman of Blue Ribbon Travel for hotel rooms.
Tel: 716 767 0068; Fax: 716 767 0660
Email: lorraine@blueribontravelny.com

Non-member Registration Fee: $345.00
DFI Member Registration Fee: $295.00
Student registration: $50.00 (Students must provide a copy of their ID card. Spaces are limited.)
Exhibit Table Fee: $300.00 (Table top displays only. All persons tending exhibits must be registered in full.)

Full Seminar Registration Fees Include: Seminar session, breaks, lunch, reception, printed proceedings and registration materials.

Cancellation:
Sorry, No Refunds after September 30, 2005. If you are unable to attend, your registration may be transferred to another individual. Cancellations prior to September 30, 2005 must be made in writing via fax or mail.

Payment:
Payment must accompany your registration. Register on-line (www.dfi.org) or fax (973-423-4031) your registration with credit card information included, or mail with credit card information, check or money order to Deep Foundations Institute (address above).

REGISTERED SEMINAR ATTENDEES WILL RECEIVE A CERTIFICATE VERIFYING 6.5 PROFESSIONAL DEVELOPMENT HOURS*

*In recognition of the fact that an increasing number of professional engineering licensing bodies are requiring members to pursue professional development on a more formal basis, DFI provides Certificates of Participation in our programs. DFI issues certificates certifying Professional Development Hours relating to attendance at Conferences, Seminars, Workshops and Short Courses arranged by DFI. This documentation should assist the attendees in maintaining records of their professional development credits. The record keeping of PDH’s is the responsibility of the individual.
The Continuing Education Committee looks forward to hosting technical and management seminars on topics of interest to our members. We rely on feedback from fellow members and technical committee chairs as to which topics are “hot”. Please forward any seminar topics you would like to see to Ron Nault c/o Luchs Consulting Engineers, LLC - phone (203) 937-6819 ext. 16; fax (203) 931-7702 or nault@luchs.com

GEOTECHNICAL SEMINAR

A Seminar will be held at the Hawthorne Inn in Berlin on Friday, October 7, 2005. See the enclosed sign-up sheet for details.

COFFERDAM AND TEMPORARY SHEET PILLING DESIGN SEMINAR

This recently added seminar has been scheduled for Tuesday December 6, 2005 at the MDC Training Center in Hartford, CT from 8:30 AM - 4:00 PM and includes a light lunch. This will be an exciting and informative seminar presented by experienced practitioners in the field geotechnical and construction engineering. Additional information will be posted on WWW.CSCE.ORG shortly or contact Ron Nault c/o Luchs Consulting Engineers (203) 937-6819 nault@luchs.com; or Vincent Siefert c/o Siefert Associates, LLC (203) 723-1477

New York State CEUs or PDHs.

Some other future seminar ideas include:

- CTDEP Stormwater Quality Manual workshop
- Environmental: Pump Station Design
- Structural: New England Bulb Tee Applications for bridges
- Construction Inspection: New Certifications for Hot Mix Asphalt and Concrete Construction
- Professional Development: Public Speaking and Powerful Presentations
- Management: Professional Liability and Contracts

Masonry Engineering, Environmental Regulations, Transportation Planning – On-Site Graduate Courses for Practicing Professionals

Graduate-level courses for practicing professionals will be given by UConn’s CEE Department, off-campus and on-site at the IMI training facility in Wallingford, or at the offices of Fuss & O’Neill in Manchester. Courses could be used for a degree program or taken non-degree and may be eligible for “professional development hours”. Classes will begin after MLK day and meet weekly for 14 weeks. Visit our “on-site” website at www.engr.uconn.edu/cee/on-site-program.htm, email inquiries to OnSiteCEE@engr.uconn.edu and watch for further details on the courses in next month’s CSCE newsletter.

EMPLOYMENT OPPORTUNITIES

BVH Integrated Services, Inc. – Structural Engineer: Do you want to be a part of the design team for some of the most exciting projects in the region? BVH Integrated Services (www.bvhis.com), a leading multi-discipline professional engineering firm, is seeking entry-level Structural Engineers with AutoCADD 2005 experience. Bachelor or Master of Science Degree preferred. BVH offers a great working environment with competitive salary and benefits. Please submit your cover letter and resume to BVH Integrated Services, 50 Griffin Road South, Bloomfield, CT 06002; F: 860-242-0236; marial@bvhis.com. EOE
Westcott and Mapes, Inc. - **Staff Engineer:** Bachelor’s degree in civil engineering with three to five years experience in site work, drainage, sewers, etc in an AutoCAD environment. Excellent benefits package. Send resume, refs. and sal. req. to Westcott and Mapes, Inc. 142 Temple Street, New Haven, CT 06510 or via fax (203) 789-8261; e-mail westcottandmapes@snet.net. EEO M/F/HW.

**DTC** - One of CT's leading engineering consulting firms, is seeking Civil Engineers for our expanding No. Haven, New London & Stamford offices:

- **Civil PE:** 7-15 yrs exp Proj. Mgr to work w/public & private clients incl. education, municipal, commercial and recreational throughout central and southern New England. Exp. w/regulatory permitting, construction administration, PE, CAD proficiency & good communication skills required.
- **Project Civil:** 0 -5 years diverse experience in planning, design and construction in the public and private sectors. Permitting, w/municipal & state exp pref'd, CAD req'd. Excellent benefit package that includes medical and dental, competitive salary, 401k & comfortable work environment. Please fax, email resume & salary requirements in confidence to: 203-234-7376 or hr@teamdtc.com, www.teamdtc.com

Tata & Howard, Inc. – **Project Manager/Manager:** A growing environmental consulting engineering firm, is seeking to fill a position of an experienced leader in our Meriden, CT office. The ideal candidate will demonstrate experience in marketing and managing water system consulting services in Connecticut. Minimum qualifications include a Bachelor of Science degree in Civil/Environmental Engineering with 8 years experience in providing consulting services to water companies and municipalities in the state, and a PE registration in Connecticut. If you are a motivated individual with a strong interest in joining a growing firm, please email your resume and cover letter to humanresources@tataandhoward.com

**Town of West Hartford – Civil Engineer:** Town seeks candidate to design and construct public works projects. Involves the application of engineering skills and knowledge in connection with investigation, development, design and construction of engineering projects. BS in civil engineering or related engineering field and five years experience. Must hold a CT Professional Engineering License. Salary: $62,010 - $78,130. Applications available at www.westhartford.org; 50 So. Main St., West Hartford, CT, 06107; 860-561-7480. Open until filled.

Al Engineers, Inc. – **Civil Engineer:** Al engineers, Inc. is seeking a Senior Civil Engineer with 4-10 years of experience in civil site/survey. Must be proficient in MicroStation/CADD/Drainage/Traffic Engineering experience is very desirable. If you aspire to be a leader in your field with a fast growing company that offers excellent compensation and benefits, please fax your resume to: 860-635-7312; Email: hr@aiengineers.com; www.aiengineers.com or mail to: 919 Middle St., Middletown, CT 06457. EOE/Aff. Action Compliant.

**Cardinal Engineering Associates, Inc. - Project Engineers, Civil Engineers, Resident Engineers and, Inspectors:** Growing Civil Engineering firm has immediate openings for Project Engineers, Civil Engineers, Resident Engineers, Chief Inspectors, Inspectors, CAD Technician, Survey Rodmen with experience in roadway design and construction, water/wastewater, storm drainage, and other Municipal and CTDOT projects. Excellent benefits package and competitive salary. Please fax or email resume and salary to Cardinal Engineering Associates, Inc. 99 Colony Street, Meriden, Ct. 06451, Telephone: 203-238-1969, Fax: 203-630-2056, Email: jac3@cardinal-engineering.com

**Michael Baker Jr. Inc. - Civil Engineer:** We are currently seeking a civil engineer for our Rocky Hill, CT location. Qualifications include a 4 year degree in Civil Engineering with 3-5 years of highway design experience. P.E. is required. Knowledge of ConnDOT's policies and procedures with MicroStation/Inroads experience is required. Title may change based on qualifications. Please apply online at www.mbakercorp.com or email resumes to jschidlmeier@mbakercorp.com. EOE / Drug-free Workplace.

**GeoInsight - Environmental Engineer/Scientist:** Cheshire, Connecticut - An established New Hampshire firm with a CT office for 3 years, is currently seeking a staff engineer and an environmental scientist with 3 to 5 years of experience in the fields of water supply and/or environmental compliance. Mandatory requirements include solid technical writing and communication skills and familiarity with water supply, wastewater discharge, air emission and waste management regulations. Experience within the consulting field is not required. A Master’s Degree and/or professional registration in an engineering discipline would be considered in lieu of work experience. To learn more about GeoInsight, you can go to www.geoinsightinc.com or contact Don Iannicelli, CT Office Manager or Eric Watters, Senior Engineer at 203.271.8036. Resumes can be mailed to 1781 Highland Avenue, Suite 207, Cheshire, CT, 06410; faxed to 203.271.8038 or e-mailed to ecwatters@geoinc.com
As many of you already know, the membership of ASCE voted to change our governance structure. 5,876 members voted in favor of restructuring, representing 78.7% of the votes cast. A 2/3 majority of votes were necessary for the measure to pass. It is interesting to note that only 8.3% of the eligible membership in ASCE voted on this issue.

Under the current governance model, CSCE is part of Zone 1, District 2. Under the new governance model, we become part of Region 1. Other Sections and Branches that become part of our Region include New Jersey, Boston, Metropolitan New York (considered “Large” Sections,) Mohawk-Hudson, Puerto Rico, New Hampshire, Maine, Buffalo (considered “Medium” Sections,) and Syracuse, Rhode Island, Rochester, Vermont, Ithaca (considered “Small” Sections.) CSCE is considered a “Medium” Section.

As part of this restructuring process, The Region 1 Formation Team met on September 10, 2005 in Albany, NY. I was the CSCE representative in attendance. At this meeting, the by-laws of the Region were finalized. Some of the highlights include:

- A 7-member Board of Governors will be created to manage the affairs of the Region. The Governors will take the place of Zone Vice-Presidents and District Directors. A Governors’ term will be three years, with a two term limit. The Large Sections will each have one Governor elected from their members, the Medium and Small Sections will have a total of two Governors elected from their members, one Appointed Governor will be selected from the Medium/Small Sections, and one Appointed Governor will address the Regions’ needs. Note that no Section will be allowed to have more than two Governors.

- The Board of Governors has the authority to assess fees, dues, or assessments upon the Sections and Branches within the Region. Based on current projections, the start-up costs for the Region are $9,200 and yearly operational costs will be $12,100. (This recurring cost will be offset by an annual $8,900 allotment from ASCE National.) It was decided to split the costs 50/50 based on the total number of Branches/Section and the number of members per Section/Branch. Thus, CSCE will need to contribute a one-time start-up fee of $745, and will have a recurring cost of $260 to fund the operations of the Region. Note that the above figures do not consider a Governor from the Puerto Rico Section. If one is selected, the costs quoted above will increase.

- A Region “Assembly” will be convened to discuss issues including fees, dues, and assessments; foster communication and regional interaction among the members; coordinate, promote, integrate, and support activities of the Sections and Branches; foster opportunities to become more engaged in ASCE National activities; and cultivate friendly relations among the Regions’ members.

I hope this brief summary gives you a flavor of the changes that are coming our way. We have posted the proposed By-laws and a Powerpoint presentation on the Region 1 Formation Teams’ efforts on our website (www.csce.org) under the “Region 1 Formation Team” button.

Our Section President, Tom Roy, will shortly be receiving a fax ballot from ASCE National, where he will act on CSCE’s behalf to approve or disapprove the Bylaws. This ballot needs to be turned in by October 15, 2005. I stand ready to answer any of your questions on restructuring, and look forward to a smooth transition to this exciting governance concept.
Fall Dinner Meeting

The Connecticut Road Builders Association and The American Road and Transportation Builders Association are Pleased to Host a:

Contract Fraud Presentation

by:

Harry Schaefer, Director of National Investigative Programs

U.S. Department of Transportation
Office of Inspector General

This program is being provided as part of a Joint FHWA OIG and Industry Work Group to raise fraud awareness in the construction industry.

This is an important opportunity to learn about critical industry issues.

Thursday, October 20, 2005
5:30 p.m. Buffet Dinner
7:00 p.m. Presentation
Cost: $65 per person or $600 for Table of 10

Alumni Hall
Central Connecticut State University
Directions on Reverse

REGISTRATION

CRBA Fall Dinner Meeting

Company Name: ____________________________
Contact Name: ____________________________ Contact Phone #: __________________

☐ $600 Table of 10  ☐ $65 per person (Dinner & Presentation)  Total Due: ________

Name_________________________ Name_________________________
Name_________________________ Name_________________________
Name_________________________ Name_________________________
Name_________________________ Name_________________________
Name_________________________ Name_________________________

Please make checks payable to CRBA & mail with completed form to:
912 Silas Deane Highway, Wethersfield, CT 06109
or Fax completed form to: 860-563-0616
Questions? Contact Carol or John W. at 860-529-6855
The Structural Engineer Coalition of Connecticut will present a two-day training seminar entitled **Rescue Engineer Awareness Training** on Friday, October 14, and Saturday, October 15, at the Hilton Garden Inn in Glastonbury, Connecticut.

**Attendance at this presentation is one of the prerequisites for Level B status in the SEC Emergency Response Group.**

**Program Description**

This program incorporates portions of the Structures Special Training from the Federal Emergency Management Agency’s (FEMA’s) Urban Search and Rescue (US&R) Response System. Emphasis is placed on collapse assessment, hazard identification and the design of shoring systems. A complete syllabus is available at [www.csce.org](http://www.csce.org)

**About the Speaker**

David J. Hammond, S.E. has been actively involved in the FEMA US&R Response System since 1982. He was an original member of the FEMA US&R Advisory Committee and is the current Chairperson of the FEMA US&R Structure Specialists Training as well as other FEMA US&R training courses. He was a lead engineer for the FEMA US&R responses to both the Oklahoma City bombing incident and the 9/11 Word Trade Center Attack. Additionally, Mr. Hammond was a lecturer in Structural Design at Stanford University from 1965-1976 in both the Architecture and Civil Engineering Departments.

**Cost**

The cost for the program is **$80.00 per person** for members of SEC/Connecticut, CSCE and other NCSEA-affiliated organizations. For others, the cost is **$100.00 per person**. Space is limited.

For more information please see our web site at [www.csce.org](http://www.csce.org)
Return Services Requested:
Michael Cook, ASCE Geographic Services Manager
1801 Alexander Bell Dr., Reston, VA 20191

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Email: secretary@csce.org

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