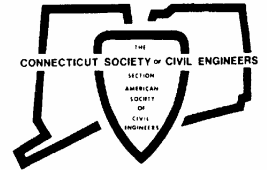


Since 1884

# *CSCE Newsletter*

[WWW.CSCE.ORG](http://WWW.CSCE.ORG)

Connecticut Society of Civil Engineers  
American Society of Civil Engineers **September 2005 Edition**



Since 1884

## **CSCE MONTHLY DINNER MEETING – September 2005**

- Date:** Tuesday, September 20, 2005
- Sponsor:** University of Connecticut ASCE Student Chapter, CSCE Structures Technical Group and Structural Engineers Coalition-ACEC/CT
- Speaker:** Mr. Arthur Gruhn, P.E., Chief Engineer, Connecticut Department of Transportation  
Mr. John Gemetro, Jr., Vice President, O & G Industries, Inc.
- Topic:** Route 7 Tanker Fire in Ridgefield. On July 12, 2005, a tanker carrying 8000 gallons of gasoline jackknifed and exploded on Route 7 in Ridgefield. The tanker caught fire and burned on the bridge carrying Route 7 over the Norwalk River. Route 7 was shut down until July 15 when temporary repairs were completed. Mr. Gruhn will discuss the Department's role in the investigation of the condition of the structure and Mr. Gemetro will discuss the repair of the structure.
- Location:** Shippee Dining Room, Shippee Hall  
University of Connecticut  
Storrs, 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:** Choice of Prime Rib, Chicken Saltimboca or Striped Ravioli with sun-dried Tomato Pesto
- Reservations:** Sheila MacPherson can take the reservations, 860-282-9400 by September 15, 2005
- Directions:** From Hartford: Take I-84 East to Exit 68 in Tolland. Travel South on Connecticut Route 195 for about 6 miles to the University. Proceed through the CT Route 194 and US 44 intersection, and travel approximately 2 miles to the south end of campus. Take a left at the Mansfield Rd. intersection, just after Mirror Lake. Shippee Hall is on the left with parking in the rear.

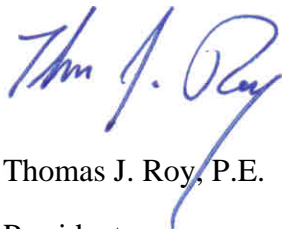
## PRESIDENTS MESSAGE

Greetings,

It is hard to believe the summer is nearly over and CSCE's first dinner meeting of the year is just a few weeks away. I am excited to begin the upcoming series of monthly dinner at my alma-mater, UConn. Michelle Lynch, the chair of our Structures Technical Group, has lined up an outstanding presentation with Arthur Gruhn, Chief Engineer for the ConnDOT and John Gemetro, Jr. Vice President of O&G Industries, the contractor responsible for constructing the emergency repairs to the Route 7 bridge in Ridgefield. Between these two speakers we should get a good look at all of the engineering and coordination issues associated with this emergency project. In addition to the great speakers and topics, this meeting will be a good excuse, especially for all of the UConn alumni, to visit the campus and see all of the improvements completed under the UConn 2000 Program.

With CSCE's monthly dinner meetings starting up again, it is an exciting time for the CSCE board and committees as we begin to finalize our plans and activities for the upcoming year. As you read through this and future newsletters, I invite you to look for CSCE activities that interest you. We are always looking for our members to become more involved with the organization. I understand how difficult it is to find the time to become involved with a volunteer organization like CSCE, but your involvement, does not have to involve a large time commitment. Just attending a few monthly dinner meetings will help you to network and increase your technical knowledge, becoming involved in a technical committee may only involve a few meetings each year. The big picture is the more members that are able to participate, the stronger and more beneficial CSCE becomes for all of our members. The more you are involved the more you will receive from your membership.

With the new series of monthly dinner meetings getting underway, I encourage all of you who are considering attending a monthly dinner meeting to invite your co-workers to join you, the more the merrier. I look forward to seeing a lot of familiar faces and a few new ones at our monthly meetings this year....

A handwritten signature in blue ink that reads "Thomas J. Roy". The signature is written in a cursive style with a long, sweeping underline that extends to the right.

Thomas J. Roy, P.E.

President

## CONTINUING EDUCATION

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

## 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 SHEETING DESIGN SEMINAR

A new seminar will be held in November 2005 on Cofferdam Design. Look in upcoming newsletters for additional information and registration. Direct any questions or comments to Ron Nault c/o Luchs Consulting Engineers (203) 937-6819 or [nault@luchs.com](mailto:nault@luchs.com)

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

### **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 suggestion 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](mailto:nl-editor@csce.org)



# Connecticut Society of Civil Engineers

## Annual Geotechnical Seminar

Friday, October 7, 2005

Hawthorne Inn, Berlin, CT

### Seminar Program\*

- 7:30 – 8:30 AM **Exhibitor Set-up**
- 8:00 – 8:30 AM **Registration**
- 8:30 – 8:45 AM **Opening Remarks**  
Larry Johnsen PE, Heller and Johnsen  
Dan Kinard PE, Ocean & Coastal Consultants
- 8:45 – 9:45 AM **IBC Seismic Code Geotechnical Issues**  
Nick Campagna PE, GZA GeoEnvironmental
- 9:45 – 10:00 AM **Coffee Break**
- 10:00 – 11:00 AM **Ground Improvement Techniques for Seismic Issues**  
Dr. Donald Bruce, C. Eng., Geosystems, LP
- 11:00 – 11:45 PM **Seismic Cone Penetrometer**  
David Woeller, PE, ConeTec
- 11:45 – 12:45 PM **Lunch**
- 12:45 – 1:45 PM **Column Supported Geo Platforms**  
Dr. James Collin, PE, The Collin Group
- 1:45 – 2:30 PM **Rapid Impact Compaction**  
Mike Perlow PE, GeoStructures, Inc.
- 2:30 – 3:15 PM **Sonic Drilling**  
John Davis, Boart Longyear Company
- 3:15 – 3:30 PM **Course Evaluation, Questions and Closing Remarks**  
Larry Johnsen, PE and Dan Kinard, PE
- 3:45 – 4:15 PM **Exhibitor Breakdown**

*\*Program subject to change*

6 New York State approved<sup>†</sup>  
Professional Development Hours  
will be issued.

<sup>†</sup>pending final approval of course content

**Sorry, No Refunds after September 16, 2005**

### DFI Seminar Registration Form: DFI-CSCE Geotechnical Seminar

Mail or Fax (with credit card information) to:  
Deep Foundations Institute E-mail:staff@dfi.org  
326 Lafayette Avenue Tel: 973-423-4030  
Hawthorne, NJ 07506 Fax: 973-423-4031

### ...OR REGISTER ONLINE AT WWW.DFI.ORG

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Jr., III, etc. \_\_\_\_\_ PE, PhD, etc. \_\_\_\_\_

Position \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

Organization Type \_\_\_\_\_

- Register by Fri., September 9, 2005: \$150.00
- Register after Fri., September 9, 2005: \$175.00
- Student Registration \$30.00
- ASCE Life Members Registration  
\$75.00 (before Sept 9) \$75.00 (after Sept 9)
- Exhibit Table Registration \$150.00  
*Table Top Display Only!*
- DFI Individual Membership \$95.00 (summer special)\*  
*\*Through Dec 2006*

Total: \$ \_\_\_\_\_

Payment By:  Check or Money Order Enclosed  
 VISA  Amex  MasterCard  
 Discover  Diners Club

Credit Card Number:

\_\_\_\_\_

Expiration Date: \_\_\_\_\_ / \_\_\_\_\_

Name on Credit Card: \_\_\_\_\_

Signature: \_\_\_\_\_



## Marine Foundations Specialty Seminar The McGraw-Hill Building, New York, NY, Oct 21, 2005

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\*

<b>8:00-8:30 am</b>	Continental Breakfast/Registration/Exhibitor Set-up	
<b>8:30-8:45 am</b>	Introduction	Program Moderator: <i>Ahmad Nadeem, Urban Engineers</i>
<b>8:45-9:15 am</b>	Marine Foundations of Bridges in the Northeastern USA	<i>James S. Graham, P.E., Norwalk Marine Contractors</i> <i>Joel Moskowitz P.E., Mueser Rutledge Consult. Engrs.</i>
<b>9:15-10:00 am</b>	Design & Construction of the Sutong Bridge Foundations	<i>Robert B. Bittner P.E., Ben C. Gerwick Inc.</i>
<b>10:00-10:30 am</b>	Route 49 (Penns Neck Bridge) over Salem River	<i>James E. Maccariella Jr., Urban Engineers Inc.</i>
<b>10:30-10:45 am</b>	- Break & Exhibits -	
<b>10:45-11:45 am</b>	Design & Construction of the Rion Antirion Bridge Foundations	<i>Alain Pecker, Geodynamique &amp; Structure</i>
<b>11:45-12:15 pm</b>	Large Diameter Shafts - Youghiogheny Reservoir Bridge	<i>Paul J. Lewis P.E., Gannett Fleming Inc.</i>
<b>12:15-1:15 pm</b>	- Lunch -	
<b>1:15-2:00 pm</b>	Design of the Marine Foundations for the Skyway Project of the San Francisco Oakland Bay Bridge	<i>Gerry Houlahan, Moffatt &amp; Nichol</i>
<b>2:00-2:45 pm</b>	Installation of Marine Pile Foundations at the Skyway Project for the San Francisco Oakland Bay Bridge	<i>Robb Swenson, General Construction Co.</i>
<b>2:45-3:15 pm</b>	Design of Cooper River Bridge Foundations	<i>Osama Safaqaah PhD, Ben C. Gerwick Inc.</i>
<b>3:15-3:30 pm</b>	- Break & Exhibits -	
<b>3:30-4:00 pm</b>	Static Load Testing of High Capacity Marine Foundations	<i>Mike Muchard P.E., Applied Foundation Testing Inc.</i>
<b>4:00-4:30 pm</b>	Foundations for Offshore Wind Energy Converters: Review of Current Scandinavian Development Projects	<i>Kenneth Viking, Ramboll Sverige AB</i>
<b>4:30-5:00 pm</b>	Construction Techniques Used to Build the Drilled Shafts for the Victory Bridge	<i>T. Jason Hardell, George Harms Construction Co. Inc.</i>
<b>5:00-6:00 pm</b>	Meet & Greet Cocktail Reception in Exhibition Hall	
<b>6:00-6:30 pm</b>	Exhibitor Breakdown	<i>*program subject to change</i>

**Sponsor:** Deep Foundations Institute  
326 Lafayette Avenue; Hawthorne, NJ 07506  
Tel: (973) 423-4030 Fax: (973) 423-4031  
Web: [www.dfi.org](http://www.dfi.org)

**Venue:** The McGraw-Hill Building  
1221 Avenue of the Americas; New York, NY 10020  
Tel: (212) 512-6510 Fax: (212) 512-2711  
Web: [www.mcgraw-hill.com](http://www.mcgraw-hill.com)

**Accommodation:** Contact Lorraine Engelman of Blue Ribbon Travel for hotel rooms.  
Tel: 718 767 0088; Fax: 718 767 0660  
Email: [lorraine@blueribbontravelny.com](mailto:lorraine@blueribbontravelny.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](http://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.*

## **EMPLOYMENT OPPORTUNITIES**

**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](mailto: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@teamdmc.com](mailto:hr@teamdmc.com), [www.teamdmc.com](http://www.teamdmc.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](mailto:humanresources@tataandhoward.com)

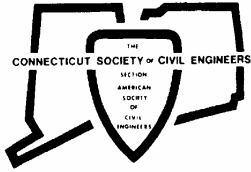
**Town of West Hartford – Civil Engineer:** Town seeks candidate to design and construct public works projects. Involves the application of engineering skills and knowledge in connection with investigation, development, design and construction of engineering projects. BS in civil engineering or related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

**AI Engineers, Inc. – Civil Engineer:** AI 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](mailto:hr@aiengineers.com); [www.aiengineers.com](http://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](mailto: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](http://www.mbakercorp.com) or email resumes to [jschidlmeier@mbakercorp.com](mailto: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](http://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](mailto:ecwatters@geoinc.com)



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