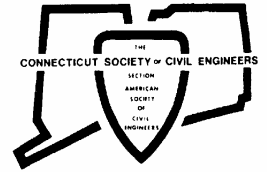


Since 1884

# CSCE Newsletter

Connecticut Society of Civil Engineers  
American Society of Civil Engineers **November 2004 Edition**



Since 1884

## CSCE MONTHLY DINNER MEETING – NOVEMBER 2004

- Date:** Tuesday, November 16, 2004
- Sponsor:** Geotechnical Technical Group, Three Rivers Community College and Coast Guard Academy
- Speaker:** Mr. Timothy Crawl, P.E.  
Haley & Aldrich, Inc.  
East Hartford, CT
- Topic:** **Foundation Design & Installation-Connecticut Convention Center, Hartford, CT**  
The new convention center, nearing completion in Hartford, Connecticut, is founded on precast prestressed concrete piles. Mr. Crawl will discuss the subsurface conditions, pile selection and design process, load testing, and lessons learned during construction. Foundation design included working closely with the structural engineer to optimize the pile layout using Soil-Structure Interaction (SSI) methods. The convention center is scheduled to open in 2005.
- Location:** Marriott Courtyard Norwich  
181 West Town Street  
Norwich, CT
- Time:** 5:30-6:30 PM Social Hour  
6:30-7:30 PM Dinner  
7:30-8:30 PM Program
- Cost:** Members: \$30.00 Full Time Students: \$10.00  
Life Members: \$25.00 (Please make checks payable to CSCE)
- Dinner:** Buffet Dinner: Chicken and beef entrees with vegetable, salad, rolls, coffee and dessert
- Reservations:** Sheila MacPherson can take the reservations, 860-282-9400
- Directions:** I-395 Southbound - Exit 82. Take right at the end of the ramp, hotel is on your right  
I-395 Northbound - Exit 82. Take left at the end of the ramp, hotel is on the right.

### IMPORTANT

For all Engineers registered in New York State.  
Application for New York State Accreditation is pending and will likely be granted for one (1) Professional Development Hour (PDH).

## PRESIDENTS MESSAGE

November Greetings!! It is hard to believe Halloween is over and the Holiday season looms in the distance. But, time marches on. For those of you who missed our October Section Meeting, Jim Randazzo, Acting Director of the Metropolitan District Commission (and Past CSCE President) gave a great presentation on the history of the MDC. It was very interesting to see how forward-thinking the Commission was when planning Hartford's water supply system. Their foresight ensures safe, clean drinking water for many years to come.

At the October CSCE Board meeting, the 2004 – 2005 budget was approved. We now have a financial plan to guide us during the upcoming year.

The ASCE National Convention was held at the end of October in Baltimore, MD. Charles Sawyer, CSCE Vice-President, attended the Convention, and will provide an update in our next newsletter.

ASCE's Governance Restructuring is beginning to take shape. To ensure local input, our District Director, Anni Autio, has asked for a "Section Liaison." The CSCE Board has appointed our Director-2 and Past-President Randy States. Randy will be tasked with gathering and disseminating information on restructuring issues. Should you have any specific questions or concerns regarding restructuring, please contact Randy via e-mail **Director-2@csce.org** or phone 203-758-8836 ext 111. This is an exciting time within ASCE, and I look forward to hearing lots of restructuring information from Randy.

With 2005 dues renewal right around the corner, I would encourage all CSCE members to pay their Section Dues. Currently, this amount is \$10.00. The Section Dues provide CSCE with a supplemental source of income, so we can provide quality programs and services. The most recent statistics indicate that 750 of 1,379 CSCE members (54%) paid Section Dues, while 629 of 1,379 (46%) do not. Compare this to other regional sections and the percentage of members who do pay Section Dues:

45% of Boston Section, 49% of Rhode Island Section, 65% of Maine Section, 61% of New Hampshire Section, 48% of Vermont Section.

As you can see, by percentage, CSCE ranks high in this group. But I believe that we can do better. I challenge the membership of CSCE to get our percentage of members who pay Section Dues above 90%. I will monitor the percentages as we move through 2005 and keep you updated.

Finally, I want to talk a little bit about our newsletter. Approximately one-third of our \$50,000.00 budget is earmarked towards printing and postage costs of our paper newsletter. In this day and age of electronic everything, the CSCE Board has come to the conclusion that this amount is way too much. Therefore, we are in the formative stages of moving to an all-electronic newsletter. I know this will be a shock to some peoples' system, but we must move out of the stone age. The first task required will be for all CSCE members to make sure they have a valid e-mail address on file with ASCE National. You may do this by visiting ASCE's website, and navigating to "Update Your Membership Information" under "Membership," which is located under the "Products and Services" tab. Alternately, you may contact our Newsletter Editor, Rob Barakat (**nl-editor@csce.org**) with your correct e-mail address.

As we are responsible to the membership, the Board would like your input during this process. Please contact any of the Board members with your comments and/or suggestions. We intend to make this transition slowly, but we will make this transition.

Should you wish to discuss these or any other topics, please feel free to contact me at **President@csce.org** or 203-235-3351 x-283. I look forward to seeing old faces, and meeting some new ones at our October Section Meeting.

*- Billy*

Billy Cunningham, CSCE President

# STORMWATER MANAGEMENT SEMINAR REGISTRATION FORM

**Wednesday November 10, 2004**

**Location:** Courtyard Marriott (Exit 21 off I-91 – at Southeast Corner of Interchange)  
4 Sebethe Drive, Cromwell, CT

**Seminar Outline:**

- 8:00 - 8:30 REGISTRATION- Continental Breakfast
- 8:30 - 8:45 WELCOME AND CSCE REMARKS  
Ron Nault, Luchs Consulting Engineers
- 8:45 - 10:15 Review of 2002 Guidelines for Soil Erosion and Sediment Control  
Paul Corrente, ConnDOT
- 10:15 - 10:30 BREAK- Continental Breakfast
- 10:30 - 12:00 Introduction of new Connecticut Stormwater Quality Manual  
Cheryl Chase, CTDEP
- 12:00 - 1:00 LUNCH
- 1:00 - 2:30 Review of revised CTDEP General Permit for Construction Activities  
Chris Stone, CTDEP
- 2:30 - 2:45 BREAK
- 2:45 - 4:00 Panel Review of Sample Roadway Project Stormwater Management Measures

**Cost:**            Member                      Non-Member  
                     \$65.00                              \$75.00

-----  
Make checks payable to C.S.C.E and mail with this form before October 31, 2004 to:

Ronald Nault  
Luchs Consulting Engineers  
153 Saw Mill Road  
West Haven, CT 06516

Call or fax questions to: Phone 203-937-6819 ext. 16      Fax 203-931-7702

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PHONE: \_\_\_\_\_  
FAX: \_\_\_\_\_

MEMORANDUM

To: CSCE Members

From: Gregory P. Broderick, Ph.D. Chair  
Department of Civil and Environmental Engineering

Re: Spring class offerings at UNH

The Department of Civil and Environmental Engineering at the University of New Haven will be offering two courses this spring that may be of interest to some of the members of CSCE. Therefore I would appreciate it if you would put a notice of these course offerings in you next newsletter. Of course you may edit as you see fit, but I would appreciate it if it was done judiciously. I thank-you in advance for you assistance in this matter.

**CE 450 – Special Topics in Construction  
Construction Project Management**

**Course Overview**

This course is designed as an introductory course in construction project management. It is designed for those students seeking a career in construction management, those entering related fields requiring interaction with construction managers or those students seeking to expand their knowledge of project planning and control regardless of the specific application. Field supervision is not going to be included due to its specialized nature. The course will be presented using commercial/industrial building projects as the basis for examples, case studies and discussions.

Topics will include.

- Project Planning and Design
- Team Selection and Relationships
- Construction Delivery Systems
- Contract Types (including an overview of AIA documents)
- Budgeting and Estimating (CSI formatting)
- Scheduling and Project Monitoring
- Labor, Materials and Services Procurement
- Managerial Accounting and Invoicing
- Dispute Resolution and Business Ethics
- Project Closeout
- Application of these principles to other endeavors

**CE – 408 - Steel Design and Construction**

**Course Overview**

The course will cover the analysis, design and construction of steel structures. Topics include tension, compression, and flexural members; connections; members subjected to torsion; beam-columns; fabrication, erection, and shop practice. Design will be based on Load Resistance Factor Design, LRFD.

## **UConn On-Site Courses – Spring 2005**

UConn's Civil and Environmental Engineering Department will be offering graduate-level courses again "On-Site" in the dedicated classroom at the offices of Fuss and O'Neill, Manchester CT.

Courses will be geared toward practicing professionals and are open to the professional community. Courses may be applied to graduate degree programs or taken for continuing professional education. Course offerings will be finalized soon but will probably include Geotechnical, Environmental, Structural, and Transportation Engineering offerings.

Courses will meet once per week beginning at 6pm. Classes begin January 18, 2005 and run through April 29, 2005 with no classes during the week of March 7-10, 2005.

F & O offices at 146 Hartford Road, Manchester, CT, have very easy access and are adjacent to I-384.

For further details, see next month's CSCE newsletter, or go to (and bookmark) the CEE website or email us at

### **EMPLOYMENT OPPORTUNITIES**

**WATER RESOURCES ENGINEER:** Maguire Group Inc., A/E/P, has an opening for a Water Resources Engineer with an interest in the design of municipal wastewater and water facilities. BSCE with 0 – 4 years' experience required. AutoCAD capability and EIT preferred. We offer a competitive salary and full benefits package. Please forward your resume to: Maguire Group Inc., Attn: Jan Washburn, One Court St., New Britain, CT 06051, or e-mail: [Jwashburn@maguiregroup.com](mailto:Jwashburn@maguiregroup.com) (use plain text format) E.O.E. M/F/D/V

**STRUCTURAL ENGINEER:** DiBlasi Associates, P.C., a structural engineering firm specializing in the design of complex building systems, is seeking a structural engineer with minimum five years experience in building design using steel, concrete, and timber structural systems. Experience with RAM Structural System and AutoCAD a plus. BSCE and EIT required; PE desirable. Competitive salary and benefits including Medical, SEP and tuition reimbursement. Submit resume, references and salary requirements to DiBlasi Associates, P.C., 500 Purdy Hill Road, Monroe, CT 06468; FAX 203-268-8103; e-mail [Personnel@DiBlasi-Engrs.com](mailto:Personnel@DiBlasi-Engrs.com). DiBlasi Associates is an Equal Opportunity Employer.

#### ***October Listings***

**SENIOR CIVIL ENGINEER:** Pereira Engineering, LLC is a Civil/Environmental Engineering firm located in Shelton, CT. We are currently seeking a Civil Engineer with 3+ years experience in site development including design of subdivisions, septic systems, storm and sanitary sewers, grading, roads, and drainage studies. Responsibilities will include preparation of plans, specifications, and calculations and coordination with other design professionals and public officials. The qualified candidate must have a B.S. in Civil Engineering from an accredited engineering program and must be proficient with AutoCAD. Experience with Autodesk Land Development and other commonly used design and drainage analysis software a real plus! Pereira Engineering offers a very competitive salary and benefits package. This is a GREAT opportunity with plenty of room for growth!

**SURVEYOR:** Westcott and Mapes, Inc. seeking a surveyor with some experience (1+ year) running 'rod' for topographic surveys. Benefits include med/life/dis. ins., 401K, parking. 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.

## EMPLOYMENT OPPORTUNITIES (Continued)

**CIVIL ENGINEER:** Three to five years experience in site work, drainage, sewers, etc in an AutoCAD environment. Benefits include med/life/dis. ins., 401K, parking. 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.

### ***NEW for November***

**PROJECT ENGINEER- STRUCTURAL, CONSTRUCTION:** Design Temporary Works for Complex Bridge and Building Projects. Duties include Project Management, Project Engineering and Supervision. Candidate must be familiar with AASHTO, AISC, ACI and NDS codes, and AutoCad software. Previous construction field experience and PE registration is required. Contact: Siefert Associates, LLC,

**CIVIL ENGINEERS:** DTC, one of CT's leading engineering consulting firms, is seeking Civil Engineers for our expanding No. Haven & New London 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.

**Proj. Civil:** 2 -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

## MUNICIPAL ENGINEER SEEKING PART-TIME EMPLOYMENT

Licensed Master's Degree Assistant Town Engineer seeks part-time employment with another municipality or consulting firm to provide engineering services. Fifteen years of municipal experience in CAD road/culvert design, plan preparation, specification writing, construction engineering support and inspection, subdivision/commercial plan review and Flood Ordinance administration. Call 860-664-4293 for resume and references.

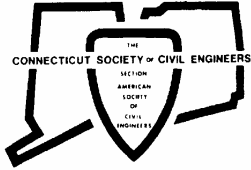
### **FROM THE EDITOR**

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

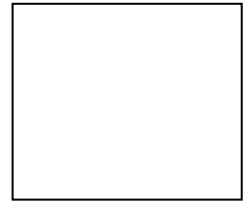
### Engineering Equipment for Sale

*Sharp Copying Machine – Model SF2020* – Copies up to 11” x 17”, 200% enlargement and 50% reduction capability, dual page copying, two-sided copying, auto exposure, power save mode, auto document feeder, margin shift, edge erase, toner save mode and paper select - \$1,500.

*Ricoh Engineering Copier – Model FW870* – Capable of B, C, D, E and 30” x 42” sizes, synchro cutting from 9.67” to 142”, roll feed, auto paper cutter, holds two different roll sizes, makes up to 30 copies at a time - \$2,500. Please contact Paula Cilley at (203) 272-1135 for either machine.



Since 1884



**Return Services Requested:**

**Rabih M. Barakat, P.E.,** *Newsletter Editor*  
26 Davis Rd., Woodbridge, CT 06525

*Send other section correspondence to:*

**James L. Silva, P.E.,** *Secretary*  
322 Main St., Bldg. 1, 2<sup>nd</sup> Fl., Willimantic, CT 06226  
Email:

*President*

**William J. Cunningham, P.E.**  
Ph: (203) 235-3351 x283, Fax: (203) 237-4260

*Vice-President*

**Charles S. Sawyer, Ph.D., P.E.**  
Ph: (203) 239-2793, Fax: (203) 239-7438

*Treasurer*

**Christopher M. Holden, P.E.**  
Ph: (860) 883-4028

*Director*

**Vincent A. Siefert, P.E.**  
Ph: (203) 723-1477, Fax: (203) 723-9346

*Director*

**Randall T. States, P.E.**  
Ph: (203) 758-8836 x111, Fax: (203) 758-8842

*President-Elect*

**Thomas Roy, P.E.**  
Ph: (860) 278-7850 x3432, Fax: (860) 525-5013

