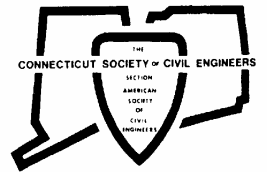


Since 1884

CSCE Newsletter

WWW.CSCE.ORG

Connecticut Society of Civil Engineers
American Society of Civil Engineers **January 2006 Edition**



Since 1884

CSCE MONTHLY DINNER MEETING – January 2006

- Date:** Tuesday, January 17, 2006
- Sponsor:** CSCE/Fairfield County Branch Joint Meeting
- Speaker:** Matt Kisak, P.E., Senior Project Engineer, Malcolm Pirnie, Inc.
Ken Lieb, Project Manager, Slattery Skanska Construction Co.
- Topic:** Newtown Creek Water Treatment Plant Upgrade (NYCDEP)
Design and Construction Challenges

The largest of 14 wastewater treatment plants in New York City, Newtown Creek is currently in the midst of a massive plant upgrade that will increase capacity, add secondary treatment to all of its inflow, and upgrade various plant systems including solids handling, odor control, grit removal, electrical systems, sedimentation, and aeration tanks. Begun in June 2000, the upgrade of the 310 MGD plant will cost approximately \$2.9 billion and will fully comply with the Clean Water Act when completed in 2013.

This presentation will give a unique overview of the challenges faced by the planning, design and construction arenas, to build both temporary and permanent systems that maintain the treatment of over 300 million gallons of wastewater each and every day, while meeting stringent construction deadlines.

- Location:** Three Bears Restaurant
Route 33
Westport, CT 06880
- Time:** 5:30-6:30 PM Social Hour, 6:30-7:30 PM Dinner, 7:30-8:30 PM Program
- Cost:** Members: \$30.00, Life Members \$25.00, Full Time Students: \$10.00
(Please make checks payable to CSCE)
- Dinner:** English Cut Prime Rib, Broiled Salmon, or Chicken Marsala
- Reservations:** Mary Short can take the reservations, 860-282-9400 or
- Directions:** From Merritt Parkway (Route 15) take exit 41 and travel north on Rte33 (Wilton Road) for approximately 1/4 mile. The Three Bears is located on the left corner at the stoplight. Take this left and then your first right into our customer parking lot.

From Connecticut Turnpike (Interstate 95) Exit 17. Take a left at the end of the exit ramp and travel north on Rte 33(Riverside Avenue...becomes Wilton Road) for 3 1/2 miles. The Three Bears is located on the left corner at the stoplight. Take this left and then your first right into our customer parking lot.

PRESIDENTS MESSAGE

Happy New Year!!! Now that the holidays are over we can start looking at what we plan to accomplish in 2006. Many of us will have made new year's resolutions: to gain weight, start smoking, spend less time with the family, etc. – just wanted to see if you were paying attention. How about a new resolution this year, something you haven't tried before, a resolution to become more involved in the engineering profession, attend more monthly dinner meetings, join a committee, or attend a continuing education seminar.

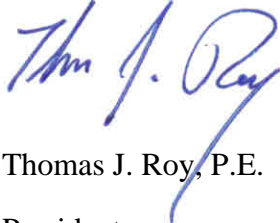
With the new year signals the start of Connecticut's 2006 legislative session which officially begins in February. Unfortunately, many engineers pay too little attention to the on-going political process in the state. The state of Connecticut has been and will continue to enact ethics legislation that will impact how we practice Civil Engineering. Do you want to have a voice in this process? For example, do you feel an engineer working with a town on behalf of a developer should have to register as a lobbyist? Some of your state representatives believe this is necessary...

Chances are your state representative does not realize that at the same time we are working for our clients, we are also protecting the safety of the public and the environment, through the quality of our work and our own professional ethics. Don't sell yourself short, as engineers we provide a service to the community and our elected officials can and will benefit from your knowledge. Information on current bills and your state representatives are just a few clicks away at www.cga.ct.gov. Take five minutes and call your representative, ask their opinion, offer them your expertise, and let them know you care.

Onto CSCE affairs, this past December, CSCE held an exceptionally successful continuing education program on temporary excavations and cofferdam design. We had 75 attendees and raised significant funds to support the CSCE scholarship fund and other CSCE activities thought the year. We need to give special thanks to Ron Nault and Vince Seifert for all of their efforts in making this seminar so successful.

Looking ahead to the new year, we will be holding our joint meeting with the Fairfield Branch later this month at the Three Bears Restaurant in Westport. The topic will be the design and construction of the \$3 billion (yes billion with a "B") upgrades to the Newtown Creek WWTP which serves New York City. With representatives from both sides of the project, design and construction, we should have an exciting presentation. I should take just a minute to thank Jason Waterbury for his continuing work within CSCE and for his efforts in coordinating the speakers for this meeting. I hope to see you all at the meeting...

Here's to a great 2006!



Thomas J. Roy, P.E.

President

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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 or any of the key contacts on the updated contact list in this issue. 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.

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CONTINUING EDUCATION & CSCE SPONSORED SEMINARS

The CSCE executive board would like to thank all who attended and were involved in the Cofferdam and Temporary Sheet Piling Design Seminar held on Tuesday, December 6, 2005 at the MDC Training Center. This very successful seminar demonstrates the importance of continuing education to civil engineers that make up this society. CSCE would like to specifically thank our four great speakers who made it all possible, **Stanley M. Bemben, Ph.D, P.E., Remy P. Papp, P.E., Ted Von Rosenvinge IV, P.E. and William J. Frank, P.E.**

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

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

Civil and Environmental Engineering Department University of Connecticut, Storrs CT 06269-2037

Evening Graduate Courses – UConn Spring 2006

This is to remind Civil Engineering and Environmental Engineering professionals of graduate-level evening courses being offered by UConn for the Spring semester beginning the week of January 17, 2006. Courses are being offered on-campus at Storrs and also On-Site at the offices of Fuss and O'Neill in Manchester and at the International Masonry Institute in Wallingford.

Specialty	Course	Location
Environmental	<i>Ecohydrology</i>	Storrs
	<i>Environmental Transport</i>	Storrs
	<i>Subsurface Contaminant</i>	Storrs
	<i>Environmental Regulations</i>	Manchester
Structures	<i>Plates and Shells</i>	Storrs
	<i>Bridge Structures</i>	Storrs
	<i>Finite Elements II</i>	Storrs
	<i>Masonry Engineering</i>	Wallingford
Transportation	<i>Transportation Planning</i>	Storrs
	<i>Traffic Engineering Characteristics</i>	Manchester

Further details can be found at <http://www.engr.uconn.edu/cee/on-site-program.htm>

Scholarship Fund Donation

CSCE would like to send a special thank you to Geodesign Incorporated of Middlebury, CT for their \$1,000.00 donation to the CSCE Scholarship Fund. We thank Ted von Rosenvinge IV and William Frank, the firm's co-principals, for their generosity.

ASCE National News

Governance Restructuring Update: It is time for people who are interested in serving as a Transition Governor on the new Region 1 Board of Governors to inform the Region 1 Formation Team of their interest and submit the required materials. It is ASCE's goal that the Region will be approved at the April Board meeting so we have to have our Board of Governors determined before then. All nomination material must be submitted to (Robin.Kemper@FPAengineers.com) or Bill Merwarth (bmerwarth@mjinc.com) with a subject line of "ASCE – R1 Governor Nomination". All information shall be received no later than **noon on February 1, 2006**. Anyone interested or would like more information, please contact Tom Roy, P.E. at president@csce.org or Billy Cunningham, P.E. at Director-1@csce.org

Success Begins With Who You Know!

SAVE THE DATE
February 28, 2006

**FOR THE TENTH ANNUAL
DESIGN AND CONSTRUCTION INDUSTRY JOINT DINNER MEETING**

The Design and Construction Industry Joint Dinner Meeting is truly an extraordinary business opportunity for the members of each of the professional organizations participating. It is the only event during the entire year offering those attending an evening of networking, collegiality and relationship building for the members of more than thirty design and construction industry organizations invited.

The Tenth Annual Design and Construction Industry Joint Dinner will be held on Tuesday, February 28, 2006 at the Marriott Hotel in Rocky Hill, CT. Last year, members of our professional associations related to the design and construction industry enjoyed the reception, dinner and networking opportunity. Don't be left out! Mark your calendars now and plan to attend this productive annual event. More specific information on this special evening will be provided in the near future.

Please complete the form below to confirm your commitment to co-host The Tenth Annual Design and Construction Industry Joint Dinner on Tuesday, February 28, 2006 at the Marriott Hotel in Rocky Hill, CT and to acknowledge your intention to publicize the event as outlined and to mail invitations to your membership. Please fax this form to us at (203) 562-5378 or mail to Louise Weaver, AIA Connecticut, 87 Willow Street, New Haven, CT 06511 as soon as possible.

Association name exactly as it should appear on the invitation and signage

Association Acronym_____

Phone_____

Contact Name_____

Fax_____

Address_____

E-mail_____

City, State, Zip_____

Signature_____

EMPLOYMENT OPPORTUNITIES

Kleinschmidt Associates - mid- to senior-level engineers (structural, mechanical, electrical and hydraulic):

Kleinschmidt Associates seeks to fill immediate openings in several of our East Coast offices, including Essex, CT. Experience in the hydroelectric field is desirable, and being initiative driven and a team player is required. If you want to be part of a national organization that is a leader in its field that offers exciting work opportunities, please forward your resume and letter of interest to Careers@KleinschmidtUSA.com. EOE.

Zieman Engineering - Structural Engineer - Construction: Zieman Engineering is a structural engineering firm specializing in design of construction methods, temporary structures and specialized equipment for contractors involved in complex construction projects. Typical projects are major bridge and building projects in the northeast and CA. We are seeking a structural engineer with minimum 5 years experience, BSCE required. Beneficial experience would include knowledge of AISC, AASHTO, Autocad, and field experience, but we will also consider someone with contractor field experience only who is willing to learn design. Competitive salary and benefits. Send resume to Zieman Engineering, LLC 500 Summer Street Suite 206, Stamford, CT 06901 or email tz.ziemaneng@snet.net

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@teamdte.com, www.teamdte.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.

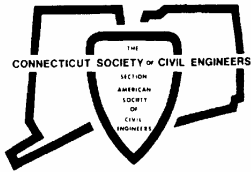
AI Engineers, Inc. – Civil Engineer: AI Engineers, Inc. is seeking a Senior Civil Engineer with 4-10 years of experience in civil/site/survey. Must be proficient in MicroStation/CADD/Drainage/Traffic Engineering experience is very desirable. If you aspire to be a leader in your field with a fast growing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

EMPLOYMENT OPPORTUNITIES (Continued)

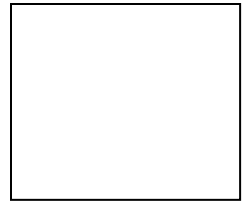
Cardinal Engineering Associates, Inc. - *Project Engineers, Civil Engineers, Resident Engineers and, Inspectors:* Growing Civil Engineering firm has immediate openings for Project Engineers, Civil Engineers, Resident Engineers, Chief Inspectors, Inspectors, CAD Technician, Survey Rodmen with experience 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



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