

Since 1884

CSCE Newsletter

Connecticut Society of Civil Engineers
American Society of Civil Engineers **February 2003 Edition**



2003 CONNECTICUT ENGINEERS WEEK JOINT MEETING

Date: Wednesday, February 19, 2003

Sponsors: ACEC, CSCE, CSPE, IEEE, ITE and WTS

Keynote Speaker: Charles Thornton, Ph.D., P.E.
The Thornton Tomasetti-Group

Topic: **The ACE Mentor Program**

The ACE Mentor Program serves high school youth who are exploring careers in Architecture, Construction, or Engineering. The mentors are professionals from leading design and construction firms who volunteer their time and energy. The ACE Mentor Program has expanded into one of the fastest growing outreach programs to bring students into the Engineering profession.

Location: Hawthorne Inn
2421 Wilbur Cross Highway, Berlin, CT

Schedule: 3:00 – 3:50 PM **The Engineer's Role in Homeland Security**
Harve Hnatiuk, P.E.
4:00 – 4:50 PM **Project Lead The Way**
Ali Golbazi, Ph.D.
5:00 – 6:30 PM Cash Bar and Displays
6:30 – 8:00 PM Dinner
8:00 – 9:00 PM Keynote Address

Cost: Members: \$35.00
Full Time Students: \$10.00
Meeting Only: \$15.00
(Please make checks payable to **CSPE**)

Dinner: Prime Rib, Baked Scrod, or Vegetarian Lasagna

Reservations: Make check payable to **CSPE**, 2600 Dixwell Avenue,
Hamden, CT 06514, Phone (203) 281-4322, Fax (203) 248-8932.

PRESIDENTS MESSAGE

ASCE released a stark example of civil engineers' work, and ASCE's leadership, Friday, January 24, 2003. ASCE made public a report summarizing a study of the Pentagon's structural performance as tested by the September 11, 2001 attack. ASCE is known as the central organization for studies of the structural aspects of that tragic day. Once again, our work is examined closely, and we are reminded of the first Canon of our code of ethics – "Engineers shall hold paramount the safety, health and welfare of the public..."

On a lighter note, we have the opportunity to make ourselves, and our work, known to the future engineers, our kids and their friends. **Engineers Week** makes it easy by providing the resources and the training to do it well.

Engineers Week! ASCE, and many other engineering organizations, coordinate outreach efforts during the third week of February. Here are a few organizations with resources and ideas to make it easy (listed by website):

- **www.asce.org** – go to the *Kids and Careers* tab on the left side of the home page.
- **www.eweek.org** is the central resource for Engineers Week topics, activities and resources.
- **www.eweek.org/site/Engineers/Zoom** Created in cooperation with ASCE, the program is especially designed for elementary school age kids.
- **www.engineeringsights.org** The site was a project of the National Society of Professional Engineers, IBM, and the National Engineers Week headquarters when it was launched for EWeek 2001.
- **www.discoverengineering.org** The National Engineers Week Web site is especially designed for middle school students.

Attendees at the National Science Teachers Association national conference in Philadelphia this March will be able to receive training and learn about engineering! Ask your child's teacher if they are aware of the program.

Later in the spring, April 24, is "**Bring your daughter and son to work**" day, another easy opportunity to do more of the same. Many schools have at least one day each year for job shadowing. Please, offer your place of employment to host a student for the day. Let them see what you do and give them a chance to be engaged in engineering.

Please take some time, work with the teachers and scout leaders that do so much for our children.

Thank you.

Randall T. States, P.E.

FROM THE EDITOR

If you have any information to publish that would be of interest to civil engineers, have an amazing or amusing story, or have any questions about the newsletter's format or content, please contact Christopher M. Holden, PE, Newsletter Editor at (860) 669-8651, or nl-editor@csce.org

Members can advertise for employment opportunities within Connecticut free of charge up to five lines (help wanted or seeking employment). For longer ads, rates are \$15.00 per line members, \$30.00 per line non-members.

CSCE CALENDER OF EVENTS

2003

February 19	Section Meeting – Joint Engineering Societies
February 18	New England Council Meeting
February 17-23	Engineer's Week
March 11	Section Meeting – U of Hartford Construction Technical Group
April 3	CPTV Science Expo
April 18	New England Council Meeting
April 22	Section Meeting – USCGA Environmental Group
May 16*	7 th Annual Spring Golf Tourney (*Date is tentative)
May 20	Annual Section Meeting

SECTION NEWS

The **BENJAMIN WRIGHT AWARD** is CSCE 's highest award, presented each year to a civil engineer practicing in Connecticut who has demonstrated outstanding practice throughout his or her career, and made significant contributions to civil engineering. Please consider nominating a deserving colleague by sending a letter to Randy States. Nominations are due by 31 March 2002. The Executive Board will vote to determine the award winner, and make the presentation at our annual meeting in May. Candidates will be considered for several years following their nomination. Feel free to contact Randy States with any questions or nominations.

3rd Annual Civil and Environmental Engineering Career Fair

The University of Connecticut ASCE Student Chapter invites you to join us at the 3rd Annual Civil and Environmental Engineering Career Fair on February 25th 2003. The Society is seeking to address the special needs of our students by offering them direct contact with job and internship opportunities in the field of civil and environmental engineering. The career fair is a great opportunity for firms and companies to seek qualified interns, co-ops, and full-time employees. It is also a great opportunity for students and individuals to connect with employers.

Time: 11:00am-4:00pm for students and guest
10:00am-5:00pm for employers

Place: Rome Commons Ballroom, South Campus Building D
University of Connecticut
Storrs, CT 06269

It is not too late for companies to register to participate in the career fair. To get information and registration forms e-mail Peter Allen at asce@engr.uconn.edu and visit UConn ASCE on the web at www.eng2.uconn.edu/~ceeasce/

Fairfield Branch

The Fairfield Branch needs to fill the position of Secretary. If you are interested please contact: Paul Sotnik at City of Norwalk – DPW, Phone: (203) 854-7791, E-mail: psotnik@norwalkct.org

In Memoriam

Richard J. Hill, 85, of Wethersfield died May 17, 2002 in Hartford. He graduated from Trinity College with a B.S. in Civil Engineering in 1934. During WWII he saw action in the Pacific Theater at Iwo Jima, Okinawa and Kyushu aboard the aircraft carrier USS Bennington. He was employed by the State Highway Department and Associated Construction Company of Hartford and retired in 1981. He was president of the Hartford General Contractors Association and a Life Member of the Connecticut Society of Civil Engineers.

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”.

A Seminar will be held in the Cromwell area in April or May on Stormwater Management. This seminar will address the steps needed for municipalities to comply with the Phase II Stormwater Management Plan requirements as well as design guidelines for biological and structural treatment of stormwater pollutants. We will ask staff from CTDEP to participate in the instruction. Look here in upcoming newsletters for additional information and registration. Direct any questions or comments to Ron Nault c/o Luchs Consulting Engineers at 203-937-6819 or nault@luchs.com

Some other ideas include:

- Environmental: Pump Station Design or Septic System 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.

Please call or e-mail your chairmen to voice your interest on these or other topics. Ronald Nault Luchs Consulting Engineers (203) 937-6819 or nault@luchs.com.

THE PRESIDENT'S POETRY CORNER

Hymn of Breaking Strain

The careful text books measure
 (Let all who build beware!)
The load, the shock, the pressure
 Material can bear.
So, when the buckled girder
 Lets down the grinding span,
The blame of loss, or murder,
 Is laid upon the man.
Not on the stuff-- the man!

But in our daily dealing
 With stone and steel, we find
The Gods have no such feeling.
 Of justice toward mankind.
To no set gauge they make us,--
 For no laid course prepare--
And presently o’ertake us
 With loads we can not bear.
Too merciless to bear.

The prudent text-books give it
 In tables in the end--
The stress that shears a rivet
 Or makes a tie-bar bend--
What traffic wrecks macadam--
 What concrete should endure--
But we, poor Sons of Adam,
 Have no such literature,
To warn us or make sure!

We hold all Earth to plunder--
 All Time and Space as well--
To wonder-stale to wonder
 At each new miracle;
Till, in mid-illusion
 Of Godhead ‘neath our hand,
Falls multiple confusion
 On all we did or planned.
The mighty works we planned.
We only of Creation
 (Oh, luckier bridge and rail!)
Abide the twin-damnation--
 To fail and know we fail.
Yet we-- by which sole token
 We know we once were Gods--
Take shame in being broken
 However great the odds--
The Burden or the Odds.

Oh, veiled and secret Power
 Whose paths we seek in vain,
Be with us in our hour
 Of overthrow and pain;
That we--by which sure token
 We know thy ways are true--
In spite of being broken,
 Because of being broken,
May rise and build anew.
Stand up and build anew!

—Rudyard Kipling

SECTION NEWS CONTINUED

REMINDER CSCE established a Centennial Scholarship fund in 1984. We invite all members to donate to the fund, which supports scholarship awards to students in undergraduate civil engineering colleges and universities in Connecticut. Please contact James Sime

ASCE Task Committee on Institute Affiliation with Local Groups

Anni H. Autio, PE, ASCE District 2 Director

In January 2003, ASCE's Executive Committee established a new task committee that is charged with defining the range of relationships that will be available for the Institutes to establish with Sections and Branches. The Task Committee will address how ASCE Institute members can be served by Institutes partnering with Section and Branches, their technical groups and other allied organizations. Anni Autio will chair this committee of 10 appointed members.

EMPLOYMENT ADVERTISEMENTS

ENGINEERING AIDE: *Town of Darien* To provide direction, technical support and quality assurance in the implementation of Public Works and Sewer Commission projects. Responsibilities include, gather and maintain information on the condition of the pavement, evaluate work requests, issue and record street opening permits and inspect construction, maintain manual and computer record keeping systems, investigate and resolve issues relating to right of way, Monitor wastewater and storm water. Recent civil engineering graduate or four years of directly related experience. Two years of post high school formal education may substitute for two years of experience. Send resume to: Personnel Officer, Darien Town Hall, 2 Renshaw Road, Darien, CT 06820 EOE

PROJECT ENGINEER: *BL Companies* Highway/Roadway Engineer must have a minimum of 3-5 years of experience in road and highway design working on CTDOT, Municipal, and STC projects. BS in Civil Engineering and knowledge of AutoCAD and/or Microstation are required. Excellent communication skills and EIT preferred. BL Companies, an ENR Top 500 Design Firm, offers an excellent benefits package and fosters a growth-oriented work environment. Please mail resume to: Personnel Director, BL Companies, 355 Research Parkway, Meriden, CT 06450. Via fax at (203) 630-2615 or e-mail resumes@blcom.com. EOE. Affirmative Action. Visit our website at www.blcom.com.

CIVIL/STRUCTURAL ENGINEER: David L. Babson, a subsidiary of the MassMutual Financial Group, is seeking to hire a professional engineer to assist investment professionals with engineering due diligence, physical risk analysis, property assessment, land survey review and replacement cost calculations. As a respected member of the team, you will be responsible for the management of third party consultants and the approval of all engineering fees. Additional duties include, but are not limited to, the development, implementation and management of all engineering policies, procedures and approaches.

Our ideal candidate will have a minimum of 10 years experience as a Civil or Structural Engineer, extensive experience with commercial buildings and have a Professional Engineer designation. Must provide strong competencies in a wide range of building systems and have excellent communication (written and verbal) skills and a proven track record of success.

Please apply at our website: www.massmutual.com under the career section and select job # 1152. Once your application has been completed you will be immediately submitted for consideration. MassMutual Financial Group is proud to be an Equal Opportunity Employer.

STRUCTURAL ENGINEER: *Rongoe Engineers*, a growing structural engineering firm involved with commercial, industrial and retail projects, has an opening for a structural engineer. Experience in design of building structures. Competitive salary and benefits. Submit resume to: Rongoe Engineers, 1003 Boston Post Road, Darien, CT 06820. Fax: 203-655-4439.

GEOTECHNICAL/CIVIL ENGINEER: *GeoDesign Inc.*, a growing geotechnical and environmental engineering consulting firm, has opportunities at all levels: entry to senior level geotechnical/civil engineers. Competitive salary and benefits. Contact Ted Von Roseninge, P.E. (203)-758-8836 ext. 1, by Fax: (203)-758-8842 or by email: t.vonrose@geodesign.net.

CIVIL AND BRIDGE ENGINEERS: *Diversified Technology Consultants (DTC)*, an award winning, a consulting engineering firm has several positions available in our expanding North Haven corporate office. For over 23 years our firm has provided consulting services in environmental, civil engineering, Transportation, Structural, landscape architecture, survey, design build and construction administration to municipal, state and federal agencies and private sector on a nationwide basis. We invite you to visit our web site at www.teamdtc.com.

We offer a competitive salary, excellent benefits package including 401K and an opportunity to grow with a progressive firm. Please fax or e-mail resume & salary requirements in confidence to Judy Knibbs Fax: 203-234-7376 judy.knibbs@teamdtc.com

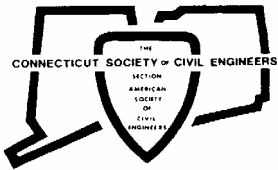
CADD TECHNICIAN: *TransDesign Inc.* seeks a CADD Technician experienced in the layout and drafting of bridges and structures. Proficiency in MicroStation and ConnDOT Bridge Design Standards required. Professional growth opportunity with competitive salary, benefits and flexible schedule. Please send resume to: Shahvir Vimadlal, TransDesign Inc., 160 Oak Street, Bldg. 1, #H, P.O. Box 701, Glastonbury, CT 06033-0701 or email Shahvir@TransDesignInc.com. EOE.

STRUCTURAL ENGINEER: *DiBlasi Associates, P.C.* a growing Fairfield county structural engineering firm specializing in complex building design has an immediate opening for structural engineer with project management experience. Minimum ten years experience in building design using steel, concrete, and timber structural systems. Experience with RAM Structural System and AutoCAD a plus. Good communications skills essential. Applicant should be capable of managing multiple projects and overseeing the production of construction documents. Competitive salary and benefits including Medical, Dental, SEP. Submit resume to DiBlasi Associates, P.C., 500 Purdy Hill Road, Monroe, CT 06468; FAX 203-268-8103; e-mail Personnel@DiBlasi-Engrs.com. DiBlasi Associates is an Equal Opportunity Employer.

GEOTECHNICAL ENGINEERS: *Heller and Johnsen* is looking to hire geotechnical engineers, or students with an interest in geotechnical engineering. Our projects are primarily for private owners or contractors. The successful candidate will be on a career track toward obtaining a PE license and have a keen interest in learning. Depending on interest and abilities, duties may include field monitoring of geotechnical construction, laboratory testing, CADD drafting, shoring and foundation design, grouting and soil improvement, investigative reports, dynamic pile testing, and geotechnical instrumentation. Benefits include Simple IRA, health plan and flex time. Contact Larry Johnsen, Heller and Johnsen, Foot of Broad Street, Stratford, Connecticut 06615, Tel: 203-380-8188, e-mail HJ30115@AOL.COM.

STRUCTURAL ENGINEER: *Ocean and Coastal Consultants, Inc.*, Looking for a more exciting and rewarding engineering career? We have an immediate need for a structural engineer. Waterfront experience not necessary. 5 years(+/-) experience and PE preferred. Field work will be part of the assignment. Competitive wage, excellent benefits. Submit resume to: Ocean and Coastal Consultants, Inc., 35 Corporate Drive, Trumbull, CT 06611. Ph: (203)-268-5007, Fax: (203)-268-8821. EOE.

JR. CIVIL ENGINEER: *Curtis Jones & Associates*, Dynamic Residential, Commercial and Industrial land use firm in Woodbury seeking recent college grad, 3.5+ GPA and 0 – 2 yrs experience. Learn and perform responsibilities of road and septic design, hydraulic calculations, field soil testing and more. AutoCad skills helpful. Competitive salary and benefits. Contact Sue Baer @ Curtis Jones & Associates Civil3141@hotmail.com or fax 203 266 4759.



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