DECEMBER 2024 NEWSLETTER



From the the President

Dear CSCE Members,

As we begin 2025, I want to extend my warmest greetings to each of you. 2024 was a remarkable year, filled with numerous events, workshops, seminars and a conference that provided valuable learning opportunities and fostered collaboration among our community. The success of these events is a testament to the hard work and commitment of our volunteers and members.

Four CSCE members/events last year were recognized by ASCE's Region 1 and its Institutes:

- Byungik Chang, P.E., Ph.D., MBA, was awarded the 2024 Educator of the Year by ASCE Region 1.
- Randall States, P.E., was awarded the 2024 Practitioner Advisor Award by ASCE Region 1.
- The CT Chapter of the Structural Engineering Institute was awarded the 2025 Chapter of the Year Award by the ASCE Structural Engineering Institute.
- The CT Valley Chapter of the Geo-Institute awarded the 2025 Chapter Achievement Award by the ASCE Geo-Institute.

Let us take a moment to reflect on these accomplishments and express our gratitude for the support and camaraderie that make our Connecticut Section so special. I am incredibly proud of what we have achieved together and excited for the activities and opportunities that lie ahead in 2025. Next up is our January 15th Joint Winter Brewery Social with the Connecticut Section of COMTO in New Haven, CT. I look forward to seeing many of you there.

Wishing you and your loved ones a prosperous New Year!

Rich Cohen, P.E., M. ASCE

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New CSCE Annual Sponsorship

The CSCE is excited to provide a new sponsorship and promotional opportunity for companies in CT! The benefits of the sponsorship include:

- PowerPoint slide recognition at every meeting presented by CSCE
- Company logo included in emails promoting the meeting
- Company logo included on all the meeting/event invitations sent by CSCE
- 5 dinner meeting registration vouchers These can be used all at one dinner meeting or spaced out throughout the year at multiple dinner meetings, but not at the ACE Awards event
- Includes PDHs for employees attending the meetings that offer PDHs
- Sponsorship recognition in CSCE Newsletter and on the CSCE website

Annual Sponsorship Cost for ASCE/CSCE firms (Firms with partnership relationships with ASCE or employ at least 5 CSCE members): \$2,000

Annual Sponsorship Cost for Non ASCE/CSCE firms: \$2,500

Please sign up today to support the activities of CSCE!

Thank you to our Annual Sponsors!



New CSCE Annual Sponsorship

Annual CSCE Sponsorship Opportunity Form

The CSCE is excited to provide a new sponsorship and promotional opportunity for companies in CT!

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Firm Contact Email:

Payment Options:

__ Card - Invoice can be sent via PayPal that can be paid with a card or check __ Check - Please send checks to: CSCE, P.O. Box 1101, Deep River, CT 06417

Questions? Please send an email to csceinfo@gmail.com or call/text 860-879-2723 (CSCE)

UPCOMING EVENTS IN 2025

1/15 COMTO CT - CSCE JOINT WINTER BREWERY SOCIAL, NEW HAVEN, CT

1/29 CSCE DINNER MEETING AT THE UNIVERSITY OF HARTFORD

2/11 CSCE DINNER MEETING AT THE UNIVERSITY OF NEW HAVEN

3/12 CSCE DINNER MEETING AT CCSU

3/25 FAIRFIELD COUNTY BRANCH MEETING AT TWO ROADS BREWING, STRATFORD, CT

4/16 CSCE DINNER MEETING AT USCGA

4/25 SPRING GEOTECHNICAL SEMINAR, TPC RIVER HIGHLANDS, CROMWELL, CT

5/14 18TH ANNUAL ACE AWARDS, AQUA TURF CLUB, PLANTSVILLE, CT

6/5 30TH ANNUAL CT ITE / CSCE SCHOLARSHIP GOLF OUTING, TIMBERLIN GOLF CLUB, BERLIN, CT 9/26 GEO-CT CONFERENCE AT SHERATON HARTFORD SOUTH, ROCKY HILL, CT **BREWERY SOCIAL**

JANUARY 2025

COMTO CT

Save the Date

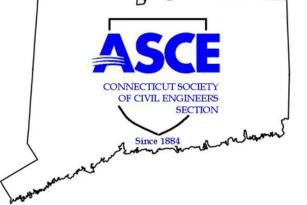
January 15, 2025

5-8 p.m.

COMTO CT - CSCE Joint Winter Brewery Social

East Rock Brewing Company & Beer Hall 285 Nicoll Street, Suite 103, New Haven, CT







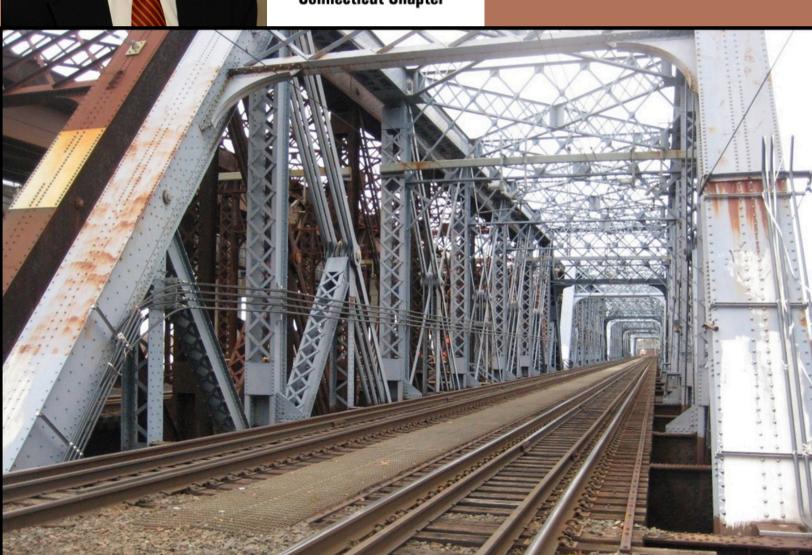
Wednesday, January 29, 2025 Earn 1 NYS PDH CSCE Dinner Meeting at the University of Hartford





Learn about the Live Load Impact on Railroad Bridges from David Jacobs, Ph.D., P.E., F.ASCE

Register at csce.org



CSCE DINNER MEETING

FEBRUARY 2025

EARN 1 NYS PDH

Tuesday, February 11, 2025 CSCE Dinner Meeting University of New Haven



5:30 p.m. Social
Hour/Registration followed by a
buffet meal and presentation on
the Pittsfield, MA, Wastewater
Treatment Plant Upgrade to
Ballasted Flocculation Process
for Phosphorus Removal by
Pamela Westgate, P.E., of
Kleinfelder



Earn 1 NYS PDH



EARN 1 NYS PDH

Tuesday, March 25, 2025

CSCE Dinner Meeting

Two Roads Brewing, Stratford, CT



5:30 p.m. Social Hour followed by a Buffet and a Presentation on the I-95 Fairfield Avenue Bridge Project in Norwalk, CT, by John Antonucci, P.E., Assistant District Engineer with CTDOT District 3.



Fairfield Branch

Wednesday, April 16, 2025

CSCE Dinner Meeting at U.S. Coast Guard Academy

5:30 p.m. Social/Registration Hour followed by a Buffet, the Evening's Presentation on AI & Construction/Civil Engineering by Reihaneh Samsami, Ph.D., P.E., CAPM & CSCE's Student Awards



GOLF OUTING

JUNE 2025

CT ITE/CSCE

30TH ANNUAL CT ITE / CSCE SCHOLARSHIP GOLF OUTING



THURSDAY JUNE 5, 2025



Time to Renew Your Professional Engineering Registration – So Who was the First Registered Connecticut Professional Engineer?

The history of public recognition and professional registration of civil engineers in Connecticut dates back to the 1870's. The first public authorization and recognition of the importance of civil engineering as a profession was the state Railroad Commission's use of a civil engineer on its board to track railroad facilities, especially bridges, walls, stations, and embankments.

Following a series of heavy rainfalls during 1876 that caused several dam failures, civil engineers were given authority by the state, and constructors were required to engage civil engineers, to supervise the design and construction of dams and certain other water works. In 1878, the Connecticut General Assembly passed an act to provide for the, "supervision of dams and reservoirs." The Board of Civil Engineers, consisting of the civil engineer member of the Railroad Commission, and a civil engineer residing in each Congressional district, comprised the board. While dams and reservoirs had to be constructed under the supervision of a civil engineer, the engineer's responsibility was limited to filing a certificate of approval with the appropriate land records office.

The certificate did not require information about the dam foundation, key elements of design or construction, nor was the owner limited from changing the reservoir pressure, reducing spillway capacity, increasing the pool height, or otherwise modifying the structure.

The Connecticut Society of Civil Engineers (CSCE) identified a responsibility to gather as-built information about dams and publish what it could for potential future use. CSCE proceedings devoted articles in the 1910 and 1912 annual reports listing information about existing dams and detailed the design and construction of several dams for future reference.

Nationally, Wyoming was the first state to license engineers (1907) and in 1922, the American Association of Engineers (now the National Society of Professional Engineers) sought, "passage of an engineers registration law in every state and the enforcement of existing registration laws." Twelve years later, 28 states had enacted such laws and the effort was not complete until 1940 for all states in the union.



Time to Renew Your Professional Engineering Registration – So Who was the First Registered Connecticut Professional Engineer?

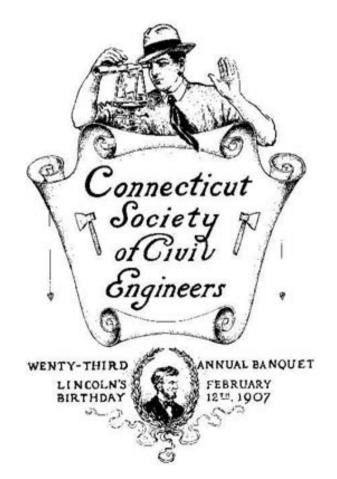
Connecticut revised the State Board of Civil Engineers in 1930 and incrementally followed up with engineering licensure laws over the following years. The legislature created the State Board of Registration for Professional Engineers and Land Surveyors in 1935. Mr. Clarence Moore Blair, ASCE, CSCE, and soon-to-be P. E., was instrumental in the passage of laws leading to professional registration laws in Connecticut. He served on the Connecticut Board of Civil Engineers, and its successor, the State Board for the Supervision of Dams, Dikes, Reservoirs, and other Similar Structures.

Mr. Blair was born and lived his life in New Haven, CT (August 21, 1885 – May 21, 1944). He was a graduate of Hillhouse High School and the Sheffield Scientific School of Yale University (Bachelor of Philosophy, 1904) before starting as a rodman for Albert Hill Consulting Engineers. Mr. Blair, and a classmate, Orson H. Marchant, distinguished their work ethic and efficiency such that upon the death of Mr. Hill, the firm became Blair and Marchant. After Mr. Marchant's death, the firm was known as Clarence M. Blair, Inc.

Mr. Blair was in responsible charge for projects including a sewage disposal plant for the Taft School, sewers for Litchfield, the Wepawaug tunnel (pdf available[1] from 1912 CSCE proceedings), Watrous dam, Galliard dam, and tunnels for the New Haven Water Company.

CSCE benefited from Mr. Blair's talents as a member starting in 1904 and he served many executive and leadership offices, including President (1934). During his tenure as treasurer (1923 to 1931), "he brought the affairs of the society from the very serious condition... ... to a high degree of prosperity." [2] He was also a charter member of the Connecticut Section of the American Society of Civil Engineers serving as treasurer from 1921 through 1931.

In honor of his service to the profession of civil engineering Clarence Moore Blair, ASCE, CSCE, was issued the first available Connecticut Professional Engineer registration, number six (numbers one through five were issued to the board members themselves).



^[1] https://www.csce.org/images/1912_02_The%20Wepawaug%20River%20Diversion%20Works.pdf

^[2] Transaction of the American Society of Civil Engineers, Volume 110 1945, Memoir of Clarence Moore Blair, p. 1659

UNIVERSITY OF HARTFORD

Help Shape the Future of Civil Engineering

Donate to Support Hands-On Learning



The University of Hartford is seeking \$3,000 in support by February 2025 to purchase concrete beam formworks for its CE260 Civil Engineering Materials lab, to provide students with hands-on experience in large-scale concrete beam testing, enhancing their learning & preparing them for real-world challenges & competitions.

Please email Professor Song Wang (<u>SONWANG@hartford.edu</u>), Professor Ted Sussmann (<u>SUSSMANN@hartford.edu</u>) or CSCE (<u>csceinfo@gmail.com</u>) for more information about this opportunity.

Life Member Group in CSCE?

There are many exciting and valuable activities in CSCE that could benefit from a Life Member's expertise such as Engineers Week, mentoring programs for college students in one of our ASCE Student Chapters, mentoring Younger Members, giving a presentation at a monthly dinner meeting or annual professional development seminar, and helping to prepare CSCE's 2026 Infrastructure Report Card for Connecticut. There are now 238 Life Members in CSCE, which represent about 14% of CSCE's membership. If you are a Life Member who is interested in getting more involved with CSCE by being a part of a fledgling Life Member Group, please send an email to CSCE at csceinfo@gmail.com or call/text 860-879-2723.



SEI Connecticut Chapter was selected for the 2025 SEI Chapter of the Year Award | ASCE in recognition of its leadership of programs, strong attendance and sponsorship, collaboration with local colleges and other chapters, and active promotion of ASCE/SEI membership.

Members of the SEI-CT Chapter Board are planning on attending the SEI Plenary and Awards Program at the Structures Congress in Phoenix, AZ, on Friday, April 11, 2025, to receive this award in person.

Upcoming Awards & Scholarships



2025 CSCE Student Awards
Nominations Due March 15, 2025

2025 GEO-CT Geotechnical Scholarship Nominations Due March 15, 2025



18th Annual ACE Awards - May 14, 2025 - Aqua
Turf Club in Plantsville, CT
Nomination Deadline: March 15, 2025

CHAPTER UPDATE



Geo-Institute Chapter Achievement Award

We are pleased to announce that the Connecticut Valley Chapter of the Geo-Institute of ASCE has been selected to receive the 2025 Chapter Achievement Award. This significant award recognizes the Chapter's substantial contributions to the geotechnical engineering community, particularly in student engagement and member participation. Key initiatives include a student "drilling day" demonstration and a geotechnical lecture series at UConn, both organized by Randall States, P.E. The Chapter is also recognized for its well-attended semi-annual seminars and conferences, which provide high-quality geotechnical content and serve as a valuable networking opportunity for geo-professionals in New England. Please join us in congratulating the CT Valley G-I committee for their hard work, dedication, and service to the geotechnical community and support of students.

Leadership Transition for the CT Valley G-I Committee

We are excited to announce a transition of leadership for the CT Valley G-I Committee. Starting in February 2025, the Committee Chair position will be filled by Cassandra (Cassi) Champagne, M.S.E. Cassi is a full-time Lecturer at the University of New Haven, where she teaches courses on geotechnical engineering. Her research focuses on CPT correlations and utilizing drones to measure settlement. We look forward to supporting Cassi and appreciate her willingness to serve as the Committee Chair.

We would like to express our sincere appreciation to Landon C. Barlow, P.E., for his dedicated service as Chair of the CT Valley G-I Committee over the past three years. Landon played a crucial role in revitalizing the chapter's semi-annual events, fostering significant growth, and continuing to establish the chapter as a vital hub for geotechnical professionals in New England. Landon will now serve on the committee as Past Chair and continue to actively contribute to the organization of GEO-CT.

2025 GEO-CT Student Scholarship

The 2025 GEO-CT Student Scholarship application opens January 10th and are due March 15th 2025. The GEO-CT scholarship is intended to support undergraduate or graduate students in or near Connecticut who are actively pursuing a degree in civil engineering with a focus or demonstrate interest in geotechnical engineering. Please find the GEO-CT scholarship application at: https://sections.asce.org/connecticut/awards.

Upcoming CT Valley G-I Events

2025 Spring Geotechnical Seminar

The CT Valley G-I will host the 2025 Spring Geotechnical Seminar on Friday, April 25, 2025 at the TPC River Highlands in Cromwell, CT. This year's theme is, "Application, Impacts, and Implications of AI and Computational Advances on Geotechnical Engineering". Join us for a full-day program featuring presentations from industry leaders who will share their perspectives on how AI and other advances in computer applications are changing the landscape for geotechnical engineering. If you'd like to present at the Spring Seminar or know someone with insights to share, please connect with CSCE Administrative Assistant Amy Petrone at csceinfo@gmail.com for consideration to be added to the program. Abstracts for the Spring Seminar will be accepted through February 7, 2025. Learn more and register at https://sections.asce.org/connecticut/042525-spring-geotechnical-seminar.

GEO-CONNECTICUT 2025

GEO-CONNECTICUT 2025 will be held on Friday, September 26, 2025, at the Sheraton Hartford South in Rocky Hill, CT. The program will feature a variety of geotechnical topics including recent research, interesting case studies, and instruction on the current state of practice. If you are interested in presenting at GEO-CT, please connect with CSCE Administrative Assistant Amy Petrone at csceinfo@gmail.com for consideration to be added to the program. Abstracts for GEO-CT will be accepted through July 11, 2025.

Up to 7 New York State PDH's will be available to attendees at each event.

EMPLOYMENT OPPORTUNITIES

Town of Plymouth, CT RFQ January 8 Training Session January 21 Due Date The Town of Plymouth, CT, seeks qualified architectural and engineering firms to provide design, cost estimates, planning schedules, construction drawings/documents, project manual & specifications & construction supervision for its Downtown Transformational Plan (Chapters 11 & 13) in this Request for Qualifications (RFQ). A pre-submission RFQ training session is scheduled for January 8, 2025, at 3:30 p.m. Proposals are due by January 21, 2025, at 3:30 p.m. in the Mayor's Office.

LANGAN

LANGAN - Senior Civil Engineer

Langan is seeking a Senior Civil Engineer in New Haven, CT, to provide planning, design, and permitting for civil engineering, land development, and infrastructure projects. You'll work on mixed-use developments, shopping centers, residential, higher education, and federal projects, all in a continuous learning environment. Apply on <u>careers.langan.com</u>



Michael Baker International - Senior Construction Inspector

Michael Baker is seeking a Senior Construction Inspector to work on facilities, highway, bridge, railroad, and utility infrastructure construction projects primarily in Connecticut and possibly in Rhode Island and Massachusetts. The Sr. Inspector will be required to perform and/or oversee contract administration, construction management, and inspection operations on–site. If you have 6+ years of inspection experience please click on the link below to apply!

Job link – https://bit.ly/3ZAPFPX



RACE Coastal Engineering - Waterfront Engineer

RACE Coastal Engineering is seeking an Engineer with 5–10 years of experience to support various projects. A Bachelor of Science Degree in Civil, Structural, Geotechnical, and/or Coastal Engineering with a Master of Science Degree preferred.

RACE Coastal Engineering - Civil Engineer

RACE Coastal Engineering is seeking a Civil Engineer with 3-7 years of experience to support various waterfront projects. A Bachelor of Science Degree in Civil Engineering with a Master of Science Degree preferred.

RACE offers excellent compensation and benefits, including health and dental insurance, paid holiday/vacation/sick time, and a retirement savings plan. https://www.racecoastal.com/contact

EMPLOYMENT OPPORTUNITIES



Town of Newington - Engineering Technologist

The Town of Newington is accepting applications for an Engineering Technologist I in the Engineering Department that will provide technical support for the planning, design and construction of a variety of municipal improvement projects with a starting salary of approx. \$76,300. For additional information and an Employment Application, visit the Human Resources page at www.newingtonct.gov. This position will remain open until filled.



Siefert Associates - Project Engineers

Siefert Associates, LLC is seeking 8+ yrs experienced Project Engineers with technical Structural and/or Geotechnical skills. Work includes producing, checking and delivering Bridge Design, temporary support structures, demolition & erection plans, construction loading on structures, engineered lift plans, rigging design/analysis, crane layout, shoring towers, excavation, cofferdams, pile formation (and much more). Must have Bachelor's or Master's Degree in Engineering and hold a P.E. License.



89 Colony Street Meriden, CT 06451 (203) 379-0320

Luchs Consulting Engineers - Civil Design Engineer

Luchs Consulting Engineers is a multi-disciplined engineering & surveying firm based in Meriden, CT. We have an immediate opportunity for a Civil Design Engineer with the following qualifications:

- BS Degree in Civil Engineering; EIT or NICET a plus
- 3-7 years' experience in CTDOT design environment
- Roadway Drainage Design/HEC-RAS Hydraulic experience required
- Knowledge of MicroStation or AutoCAD required

Comprehensive Benefit Package - Please email resumes to: dcrandalleluchs.com

INTERESTED IN POSTING A JOB OPENING OR AD ON THE CSCE WEBSITE OR IN THE NEWSLETTER?

Please fill out the <u>Sponsorship Request Form</u> found on the Resources page of www.csce.org and send it to csceinfo@gmail.com. Once that information is received, CSCE will provide a cost estimate to you.

EMPLOYMENT OPPORTUNITIES



City of West Haven, CT - Civil Engineer

The City of West Haven, CT, is accepting applications for an Assistant Engineer in its DPW. This is a 35-hour a week position that is responsible for technical work in the conduct of topographic and boundary surveys design and drafting for public works projects, and the inspection of municipal public works construction projects. This engineer will also work in concert with the City Engineer on municipal engineering projects. To apply, please click here or visit www.cityofwesthaven.com.

Down To Earth Consulting - Senior Project Engineer



Down To Earth Consulting is seeking a Senior Project Engineer to join our geotechnical group in Naugatuck, CT. The successful candidate should have a BS degree from an ABET accredited civil engineering program, 5 to 10 years of experience, and be a licensed PE. Down To Earth Consulting is an Affirmative Action/Equal Opportunity Employer. To learn more about this opportunity, please submit your resume to rayedowntoearthconsulting.com

Conlon Engineering - Structural Engineer



Conlon Engineering, a growing structural design firm in Brookfield, CT is seeking a structural engineer with 0-3 years of experience doing design work and calculations. We are looking for a smart, hardworking engineer who wants to be part of a profitable firm that is set up for sustainable growth. Visit our website at <u>conlonengineering.com</u> and email resumes to <u>office@conlonengineering.com</u>

Pereira Engineering - Civil Engineer, Land Surveyors and Survey Technicians



Pereira Engineering is an established Civil/Environmental/Land Surveying firm located in Shelton, CT. PE is seeking a Civil Engineer as well as Land Surveyors and Survey Technicians (at all levels of experience) to expand our Survey Department. PE offers a very competitive salary and benefits. Please email resume to: joe.pereiraepereiraeng.com.

CSCE CONNECTING WITH SCHOOLS



For High Schools:

If you know of a high school that would be interested in getting information about careers in civil engineering, please contact CSCE via email at csceinfo@gmail.com. CSCE Members would be very interested in connecting with high school students (virtually or in-person) to share information about career opportunities in civil engineering and related fields.

For Middle Schools:

If you know of a middle school that is having a career day or has teachers who want to share information about civil engineering with their students, the CT Section of ASCE (CSCE) can help provide speakers who can talk to students about civil engineering & bring handouts such as brochures & flyers. Please contact CSCE via email at csceinfo@gmail.com for more information

CSCE Event Registration/Emails Changed From Constant Contact to Thrive/Informz

The platform you've been receiving communication from CSCE switched to a new platform that integrates with ASCE Collaborate in the summer of 2024. Here's what this means to you:

- ASCE is offering a new email preference center. You can update your notifications settings here: https://info.asce.org/section-branch-email-preferences
- Different IP address. To ensure you still receive communications from CSCE, we recommend you whitelist 205.201.40.61 and 205.201.40.49
- CSCE's emails will look different, but the content will be the same.

Please contact CSCE if you have any questions about this change.

ARE YOU UNEMPLOYED? ASCE NATIONAL HAS A PROGRAM TO WAIVE DUES OF UNEMPLOYED MEMBERS. FOR MORE INFORMATION, WRITE TO:

ASCE, ATTN: MEMBER SERVICES DEPT.,

1801 ALEXANDER BELL DRIVE, RESTON, VA 20191-4382

OR CALL: TOLL FREE: 1-800-548-ASCE DIRECT: 703-295-6169 FAX: 703-295-6335