Dear CSCE Members,

Well, (I think) it’s finally stopped raining cats and dogs, and out of the floodwaters has emerged a new CSCE Executive Board! We are a bit on the young side, but have been provided great examples of leadership by outgoing President David Chapman and Directors Chris Beaulieu and Hudson Jackson. I would like to personally thank Dave for his leadership this past year!

I am excited to go to bat in the 2019-2020 season with the great team of George Gerard, Brianna Maljanian, Aaron Foster and Scott Nolan (and a player-to-be-named-later to fill the vacant Newsletter Editor spot). And I can’t forget to include our team manager, Amy Petrone!

Before we all go into the frenzy of summer construction, I would like to note that on Friday, June 14, the CSCE Structural Engineering Institute—Connecticut Chapter is hosting a Workshop at the CTDOT on “Improved Bridge Management through Innovative Ways in Condition Assessment of Concrete Bridge Decks: Data Collection Using Robotics and Advanced Data Interpretation”. Say that 10 times fast!

And for those of who can take a Friday off for some “business development” - don’t forget the CSCE/ITE/ITS Golf Outing on Friday, July 19!

I hope everyone has a safe, fun and successful summer. The Board will be meeting in June to put together another round of excellent dinner meetings at our State’s universities. Stay tuned!

Looking forward to serving you all,

Benjamin M. Cote, P.E., M. ASCE
Connecticut Society of Civil Engineers, President 2019-2020
Special Offer on ASCE Webinars for Connecticut Section Members

Did you know that as a Connecticut Section member you get a discount on ASCE National Webinars? Plus some of the registration fee comes back to help fund other Section activities!

THANK YOU to our Sponsors!!
GET INVOLVED IN CSCE!!

Do you want to be more involved in CSCE?
Are you interested in being a committee member or serving on the CSCE Executive Board?
We are looking for people like you!
Contact our 2019-2020 President Ben Cote at BCote@geopier.com to find out how you can get more involved.

Together we can make
“A Better World by Design”!!
Any and all involvement is WELCOME!!

“I would like to thank everyone at CSCE who works hard to improve our profession. If you enjoy the civil engineering profession, get involved in CSCE committees and activities. You will meet great people, learn a lot and have a good time.”

—David R. Chapman, P.E. M. ASCE
Connecticut Society of Civil Engineers, President 2018-2019
UPCOMING CSCE EVENTS 2019 -

June 14 (Friday) - 9:00 a.m.—1:00 p.m.—CSCE Structural Engineering Workshop - APPROVED FOR 2 NYS PDHs

Topic: Improved Bridge Management through Innovative Ways in Condition Assessment of Concrete Bridge Decks: Data Collection Using Robotics and Advanced Data Interpretation

Location: Connecticut Department of Transportation, 2800 Berlin Turnpike, Newington, CT 06111

Speaker: Professor Nenad Gucunski of Rutgers University.

Nondestructive evaluation (NDE) technologies open opportunities for more comprehensive and accurate assessment of bridge decks. In addition, the speed of NDE data collection, one of the main causes of still limited use of NDE technologies in bridge deck assessment, is being resolved through the development of new systems. One of them is a fully automated (robotic) system named RABIT (Robotics Assisted Bridge Inspection Tool) that was developed with the support from Federal Highway Administration (FHWA).

The system concentrates on the characterization of internal deterioration and damage, in particular three most common deterioration types in concrete bridge decks: rebar corrosion, delamination, and concrete degradation. RABIT implements four NDE technologies: electrical resistivity (ER), impact echo (IE), ultrasonic surface waves (USW) and ground-penetrating radar (GPR). The ER Wenner probes enable characterization of the concrete's corrosive environment, while IE enables detection and characterization of delamination in the deck. The USW test concentrates on the assessment of concrete quality by measuring the concrete elastic modulus. Finally, GPR provides a qualitative assessment of concrete deck deterioration, mapping of rebars and measurement of concrete cover. RABIT utilizes multiple probes or sensor arrays for the four NDE technologies, which significantly improve the data collection speed and spatial resolution of the results. The NDE technologies are used in a complementary way to enhance the overall condition assessment and certainty regarding the detected deterioration. In addition, the system utilizes high resolution cameras to image the surface of the deck for crack mapping and documentation of previous repairs.

This workshop will provide in depth discussion of NDE technologies commonly used in concrete bridge deck inspection, benefits stemming from application and from periodical NDE surveys, NDE data collection using the RABIT robotic system, and innovative ways of data interpretation and visualization.

Additional information about this topic can be found at the link below:
CSCE has launched a brand new CSCE website:

http://sections.asce.org/connecticut/

We have updated and modernized the look and layout of section’s website. Let us know how you like it.

For Members 35 Years or Younger
CSCE Younger Members Committee

The CSCE Younger Members Committee encourages the full professional development of engineers who are 35 years of age or younger and endeavors to increase their participation in CSCE and ASCE activities. Please contact Jodi Greene, Younger Members Committee President, at Jodi.Greene@wsp.com or the CSCE—Younger Members Facebook page for more information about the activities of this Committee.

Younger Members on Facebook visit our Facebook page to stay updated with past and upcoming Younger Member social and professional events. Search for CSCE Younger Members or follow the link https://www.facebook.com/CSCEYM and like the group.
**2019 Student Award Nominations**

Every year, CSCE recognizes outstanding civil engineering students in ASCE Student Chapters in Connecticut, as well as high school students pursuing interest in the civil engineering field.

The Student Awards recognize the following individuals for their exemplary commitment to the betterment of the civil engineering field and their communities:

- Jamie Bannon — Outstanding Civil Engineering Student Award
- Rachel Gelfand — CSCE Civil Engineering/Construction Scholarship
- Owen Gibson — Student Scholarship Award
- Jared Hendrickson — Outstanding Civil Engineering Student Award
- Brian Maloney — Student Scholarship Award
- Celia Marzinsky — Outstanding Civil Engineering Student Award
- James McCoy — CSCE Civil Engineering/Construction Scholarship
- Denise Prussen — Outstanding Civil Engineering Student Award
- Lauren Romeo — Outstanding Civil Engineering Student Award
- Andrew Sarza — Outstanding Civil Engineering Student Award
- Jennifer Ventura — Outstanding Civil Engineering Student Award
- Debbie Vergara — Outstanding Civil Engineering Student Award
- Chandra White — Student Scholarship Award
2019 ACE Awards

On May 21, 2019, the Connecticut Society of Civil Engineers (CSCE) recognized recent civil engineering achievements in Connecticut at its 12th Annual Achievement in Civil Engineering (ACE) Awards ceremony at the Aqua Turf Club in Plantsville, CT. The following individuals, firms and projects were honored:

2019 Civil Engineering Educator of the Year
John Greenleaf, Ph.D., Quinnipiac University

2019 Civil Engineer of the Year
Roy Merritt, P.E., H.W. Lochner
2019 ACE Awards (cont.)

2019 Young Civil Engineer of the Year
Jodi Greene, P.E., WSP

2019 President's Award
Brianna Maljanian, P.E., WSP

2019 Benjamin Wright Award
David Jacobs, P.E., University of Hartford
2019 ACE Awards (cont.)

2019—2020 CSCE Executive Board

(From Left to Right) Ben Cote, George Gerard, Brianna Maljanian, Scott Nolan, Aaron Foster, Chris Beaulieu, Dave Chapman

CSCE Younger Members

(From Left to Right) George Gerard, Jodi Greene, Scott Nolan, Brianna Maljanian, Chris Fagan, Aaron Foster
Legislative Affairs Committee – Chair: Roy Merritt, P.E.

Under the leadership of Roy Merritt, P.E., the Legislative Affairs Committee investigates, studies, and makes recommendations to the Executive Board and Technical Groups concerning current standards of practice, professional ethics, other timely public issues that directly affect the interests of civil engineers and our professional practices. With the close collaboration between appropriate national committees, citizens’ groups, and other professional or industry organizations we strive to arrive at mutually acceptable solutions to common problems and to coordinate support or opposition to legislation and government policies and to respond quickly to the changing needs of the profession. In 2018-2019, this Committee provided testimony on behalf of CSCE to the state legislature on the following bills:

**In Support of:**

- Senate Bill No. 713 – An Act Concerning Open Rest Areas
- House Bill No. 5162 – An Act Establishing A Task Force To Study Alternative Funding Sources For Rest Areas On State Highways
- House Bill No. 7280 (Raised) – An Act Concerning Support For Transportation Infrastructure And The Creation Of The Connecticut Transportation Finance Authority
- House Bill No. 7202 – An Act Concerning The Sustainability Of Connecticut’s Transportation Infrastructure

**In Opposition to:**

- Senate Bill No. 917 - An Act Concerning The State Contracting Standards Board And Requirements For Privatization Contracts
- Senate Bill No. 1037 – An Act Concerning Verification of Contractor Employee Activity Under Certain Computer-Related State Contracts
- Senate Bill No. 876 – An Act Authorizing And Adjusting Bonds Of The State For Capital Improvements, Transportation And Other Purposes
- House Bill No. 877 – An Act Concerning Revenue Items To Implement The Governor’s Budget

From March 12-14, 2019, Brianna Maljanian, P.E., Jen Buchanon, P.E., and Katie Klose represented CSCE at the 19th Annual ASCE Legislative Fly-In in Washington, DC. While there, they attended Younger Members training events and met with the ASCE President-Elect and staff of Connecticut legislators.
CSCE is soliciting pictures and projects of your favorite Civil Engineering landmarks in CT. The goal is to broadcast the civil engineering projects in Connecticut to our readers. If you have pictures of bridges, buildings, deep cuts, high embankments, monstrous retaining walls, even miniature construction sites, etc. (be creative!) send us a brief description and photograph and we will include it in the next CSCE newsletter. Please send all the information to:
nl-editor-2017@csce.org

Younger Members Committee Events

The CT Younger Members, in collaboration with ACEC, co-hosted a social event at the Harford Yard Goats game on May 16th. All attendees were treated to an in-depth tour of the Dunkin’ Donuts Ballpark, followed by exclusive access to the YG Club and catering on the Sam Adam’s Party Deck. Everyone enjoyed a beautiful and relaxing evening together, discussing everything from on-going projects to envisioning goals for the future of Connecticut. The Yard Goats were able to best their opponents, the New Hampshire Fisher Cats, and secure the victory 4-3, which was the cherry on top for the night! We hope to see many more events like this for the 2019/2020 CSCE Year, so keep an eye out on the newsletters and your email! See you there!

If you have any ideas or would like to request an event at your College/University, please contact the Younger Members Committee President, Jodi Greene at Jodi.Greene@wsp.com

Check out the Younger Members Committee Facebook page at https://www.facebook.com/CSCEYM for other upcoming events.

Unemployed? ASCE National has a program to waive dues of unemployed members. For more information, please contact Patrick Ballou directly at the following address:

Patrick Ballou,
Membership Coordinator
American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 20191-4400
Toll free: 1-800-548-ASCE
Direct: 703-295-6169
Fax: 703-295-6335
Are you a recent college graduate. Or about to be? 
Do you know someone who is? 
Stay with ASCE!!

Did you know that ASCE offers pro-rated discounted membership dues for recent college graduates? For more information visit http://www.asce.org/membership

Are you a “Younger Member”? 
A Younger Member is considered to be 35 years of age or younger. The Younger Member Committee fosters the professional growth, ethical awareness, and technical competence of the Section’s younger members. The Committee meets once a month, and organizes several activities throughout the year, including those for fun and community service. Check future issues of this newsletter for upcoming events. If you are interested in joining the committee or want more information, contact Jodi.Greene@wsp.com.

HONORS AND AWARDS

ASCE’s Honors and Awards program recognizes the remarkable accomplishments of the civil engineering profession. With more than 80 awards, the program distinguishes the unique contributions engineers make to both the industry and society.

ASCE has many honors and awards to recognize deserving members. For a complete listing of all ASCE awards, please visit www.asce.org/awards.

YOUR AD CAN GO HERE!

Get your job posting, message, or advertisement included within one or multiple CSCE Newsletters.

For rates and availability: http://sections.asce.org/connecticut/resources
The Connecticut Society of Civil Engineers was formed in 1884. Separately, the Connecticut Section of the American Society of Civil Engineers (ASCE) was founded in 1919. The two organizations merged in 1981. We represent about 1,600 civil engineers statewide.

2019 – 2020 CSCE Executive Board

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EMPLOYMENT CLASSIFIEDS

Cardinal Engineering Associates, Inc. – Various Engineering Positions
Job Posted: June 3, 2019
Cardinal Engineering Associates, Inc. an established multi-disciplinary civil engineering firm located in Meriden CT is seeking to fill the following positions:

Civil/Hydraulic Engineer with expertise in Hydrology and Hydraulics with broad experience in civil engineering including river and bridge hydraulics and scour, flood studies, sanitary and storm sewer studies and design, stormwater management, and design experience. The ideal candidate will have a BSCE or MSCE degree and 7 years’ minimum experience, and be a CTDOT certified Hydraulic Engineer and have experience with HEC RAS, HEC1, TR20, SWMM, StormCAD and HydroCAD. This position offers an excellent opportunity for advancement. Civil/Transportation Engineer: BSCE with expertise in traffic engineering, planning, public involvement, roadway design, bike trails and streetscapes, and experience on CTDOT funded projects.

Senior Project Manager/Design Manager: Experienced Civil Engineer with well rounded experience in design, management of civil engineering projects, and client management. BSCE, MSCE preferred, 15 years’ minimum experience and CT PE license required. The successful candidate must have excellent communications skills and experience in client management This position offers an excellent growth opportunity for someone who would like to advance to principal.

Resident Engineers and Inspectors: Minimum 5 years’ experience in water and sewer projects Resident Engineers with minimum 5year’s experience in municipal and CTDOT roadway and bridge projects. Inspectors must have BSCE or NICET Certification, Resident Engineers must have a NICET IV or a CT P.E. license.

Interested candidates should send a cover letter and resume to jac3@cardinal-engineering.com. Cardinal is an equal opportunity employer that offers a comprehensive benefits package including health care, disability and life insurance, and a 401K plan.
EMPLOYMENT CLASSIFIEDS

Nathan L. Jacobson & Associates – Project Engineer (3-5 Years Experience)
Job Posted: May 22, 2019
Established Civil and Environmental Engineering firm seeking highly motivated technical personnel with excellent communication skills for a full-time Project Engineer position. Minimum BS degree in Civil Engineering and 3-5 years’ experience in general municipal engineering and infrastructure improvement projects. EIT, and AutoCAD Civil 3D experience, required. An Equal Opportunity Employer. For more information and to apply, visit our website; www.nlja.com.

Town of Simsbury – Engineer
Job Posted: May 22, 2019
The Town of Simsbury is looking to fill an opening in its Engineering Department. The position prepares or supervises the preparation of plans, specifications, quantity take-offs and cost estimates for public works projects; including streets, drainage, sewers, water mains, sidewalks, bridges, recreational facilities and other related work. The position may perform or supervise survey for location, design, project layout and as-builts. A candidate should have in-depth knowledge of AutoCAD, Microsoft Office products, and some experience with manual and electronic surveying instruments. A bachelor’s degree in Civil Engineering is needed. The standard work week is 35 hours a week, with a salary range of $70,240 - $83,942 annually.

Down To Earth Consulting, LLC – Staff Engineer/Geologist
Job Posted: May 9, 2019
Down To Earth Consulting is seeking a Staff Engineer/Geologist to join our geotechnical engineering group in Naugatuck, Connecticut. The successful candidate should have a Bachelor of Science degree in geology or engineering; 0 to 5 years of experience; any work or schooling focused on geotechnical engineering is a plus. Down To Earth Consulting is an Affirmative Action/Equal Opportunity Employer. To learn more about this opportunity, please submit your resume to ray@downtoearthconsulting.com.
**EMPLOYMENT CLASSIFIEDS**

**Siefert Associates, LLC - Senior Project Engineer**  
**Job Posted: March 6, 2019**  
Siefert Associates, LLC is seeking a Structural Engineer for a highly responsible Senior Project Engineer Position. Senior Project Engineer will serve in a lead technical role on bridge design projects & perform complex structural analysis & design for all structural aspects of highway & rail bridge projects. Responsible for the Project Management of large-scale multifaceted engineering projects, often on advanced deadlines, and will be responsible for the primary Supervision of mid-level engineers. Design Build Experience. 10+ year experiences, MS preferred.

**Siefert Associates, LLC - Structural Project Engineer**  
**Job Posted: March 6, 2019**  
Siefert Associates, LLC is seeking a Structural Project Engineer with 5-10 yrs experience in Construction Engineering. Will prepare calcs, design drawings, perform site visits, review lower level engineers’ work, manage jobs, communicate with clients, attend client events. Project types include design of temporary support structures, construction loading on structures, engineered lift plans, demolition/erection plans, rigging design and crane layout plans.

**CME Associates - Various Engineering Positions**  
**Job Posted: March 1, 2019**  
CME Associates is growing! We have openings for Sr Civil Engineers, Sr Bridge Engineers and Sr Project Managers in our CT, NH or our new RI office. CME is a place where the brightest minds come together to develop solutions to the challenging projects of today and to help cultivate better places to live, work and grow. We strive to make CME a place where employees can develop their careers and grow professionally. Please visit: [https://cmeengineering.applicantpro.com/jobs/](https://cmeengineering.applicantpro.com/jobs/)
Pereira Engineering, LLC — Shelton Office — Survey Technician
Job Posted: February 5, 2019
Pereira Engineering is an established Civil/Environmental/Land Surveying firm located in Shelton, CT. PE is seeking an experienced Survey Technician with a minimum of five (5) years experience in all facets of land surveying from boundary surveying to construction layout. Duties include field surveying, downloading/uploading survey data, land record research, and AutoCAD drafting. PE offers a very competitive salary and benefits. Please email resume to: joe.pereira@pereiraeng.com

LANGAN

Langan – New Haven Office – Civil Engineer
Job Posted: January 07, 2019 — Entry Level (31864)
Entry Level Engineer: 0-2 years of experience. The successful candidate will possess interest in working on & learning about site/civil land development design gaining experience designing commercial, residential, mixed-use, & industrial properties.
Apply at: www.langan.com/careers

WSP

WSP – New Haven and Norwalk Offices – Project Engineer
Job Posted: November 02, 2018 — Walk Bridge Program Management Team
Engineer II: 3-5 years of experience in any of civil/track/structures/rail/construction
Lead Engineer: 7+ years of experience in any of civil/track/structures/rail/construction
Supervising Engineer: 15+ years of experience in any of civil/track/structures/rail/construction
See https://www.wsp.com/en-GL/careers/join-our-team for detail

WSP – Glastonbury, New Haven and Norwalk Offices – Project Controls Specialist
Job Posted: November 02, 2018 — Walk Bridge Program Management Team
Project Controls Assistant: 1-3 years of experience in document control/estimating/scheduling
Senior Scheduler: 5+ years of experience in scheduling/Primavera P6/Construction
Senior Project Controls Lead: 7+ years of experience in document control/estimating/scheduling
See https://www.wsp.com/en-GL/careers/join-our-team for detail