



# Connecticut Society of Civil Engineers

## From the **President's Desk**

*Dear CSCE Members,*

*CSCE is off and running in the new year with multiple events already behind us and a full slate ahead. So far in 2021, we held our January and February Virtual Lunch Meetings and had an exciting time with Family Feud, which was hosted by our Younger Members Group as a launch for the 365-day countdown to the 2022 Multi-Region Leadership Conference (MRLC) in Hartford, CT. Regarding the 2022 MRLC, you may have seen some emails with information about the conference. It is a great conference for all ages, from student through branch leader. If you are interested in attending or becoming a sponsor, please visit the 2022 MRLC website ([www.ctmrlc.com](http://www.ctmrlc.com)<sup>1</sup>). A thank you to our current sponsors and if you haven't become a sponsor yet, we hope you consider getting involved.*

*Now back to 2021. We have a lot planned for the coming months from our Virtual Lunch Meetings to the 2021 Spring Geotechnical Virtual Seminar on April 16, the 2022 MRLC Logo Launch Event, and the Structural Engineering Institute – CT Chapter's Virtual Seminar on June 16, 18 and 23. Stay tuned for our emails and visit our website ([www.csce.org](http://www.csce.org))<sup>2</sup> often to stay up to date on our latest events.*

*CSCE is also entering into its award season. The 2021 Student Scholarship forms will be released shortly and the winners will be announced at our Virtual Lunch Meeting on April 20. Please make sure to visit our website to get the forms. Nominations are due by Friday, March 19, 2021. We look forward to reviewing the applications and are grateful for the ability to provide scholarships with the funds raised by our annual events and seminars. Thank you to all who contribute towards these scholarships through your donations and attendance at our events!*

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<sup>1</sup><https://protect-us.mimecast.com/s/ric0C2k99NSKZyg9c11AH5?domain=ctmrlc.com>

<sup>2</sup><https://protect-us.mimecast.com/s/VkNTC4x993CY9kqvsWEIXp?domain=csce.org>

*Following the student awards, CSCE will distribute its Annual Achievement in Civil Engineering (ACE) Awards honoring civil engineering projects, engineers and firms in Connecticut. As you are aware, the in-person 13th Annual ACE Awards event in 2020 was not feasible due to the pandemic, but we are hopeful we can find a way to hold the 14th Annual ACE Awards in-person this year. The 2021 ACE applications are due July 31, 2021. Forms are on the CSCE Website.*

*CSCE wishes everyone good health in 2021! We look forward to seeing everyone soon.*

*Thanks,*

*George T. Gerard V, P.E.*

*2020-2021 CSCE President*

## From the Editor

*Welcome to the new and improved monthly CSCE Newsletter. In addition to the new streamlined look, we also look forward to rolling out new features over the coming months, including a monthly "Project Spotlight" Series in which we will show off civil engineering related projects from around the state. Of course, we'll be maintaining the event details, postings for employment opportunities, and other helpful resources that you've come to expect.*

*For the first month of the "Project Spotlight" series, I've included information on the Perry Memorial Arch in Bridgeport, CT, which was recently featured in a presentation during one of our Monthly Virtual Lunch Meetings. If you're interested in having your project included in a future newsletter, please send a few relevant photos and a brief description of the project to me at [tariosto@wje.com](mailto:tariosto@wje.com)<sup>3</sup>.*

*I can't wait to hear from you.*

*Tim Ariosto, P.E.*

*Newsletter Editor*

## Mark your Calendars!

CSCE holds seminars and lunch meetings on a monthly basis on a variety of topics. Mark your calendars for each of these events.

Due to the continued spread of the COVID-19 Pandemic, all CSCE Events will be held in a digital format for the foreseeable future. We wish all of our members and their families the best of health.

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<sup>3</sup><mailto:tariosto@wje.com>

**March 16th, 2021** - *Monthly Virtual Lunch Meeting* - Earn 1 NYS PDH

- Time: 12:00 - 1:30 PM
- Topic: Prevention of Bridge Failures During Construction
- Presenters: Vincent Seifert and Fady Kari, *Seifert Associates*
- Meeting Sponsor: Fairfield County Branch
- Registration and More Details at <http://sections.asce.org/connecticut/031621-virtual-lunch-meeting>

**April 16, 2021** - *Spring Geotechnical Virtual Seminar* - Earn 2 NYS PDHs

- Time: 10:00 AM - 12:00 PM
- Topic: Morning Discussions on Mechanically Stabilized Walls and Lightweight Fill Applications
  - Presentation 1: A Perspective on Mechanically Stabilized Earth Walls: Pushing the Limits or Pulling us Down
    - Presenter: Robert C. Bachus, Ph.D., P.E., D.GE, *Geosyntec Consultants*
  - Presentation 2: Lightweight Fill Applications
    - Presenter: Vern R. Schaefer, Ph.D, P.E., *Iowa State University*
- Registration and More Details at <http://sections.asce.org/connecticut/041621-2021-spring-geotechnical-virtual-seminar>

**June 16th, 18th, and 23rd, 2021** - *Structural Engineering Institute* - *CT Chapter Seminar* - Earn 6 PDHs

- Time: 12:00 - 2:00 pm, each day
- Topic: Managing Wind-Related Damage to Infrastructure
- Keep an eye out for more details on this exciting event



Photo Credit: Safety Associates

## CSCE VIRTUAL LUNCH MEETING

### PREVENTION OF BRIDGE FAILURES DURING CONSTRUCTION

EARN 1 NYS PROFESSIONAL DEVELOPMENT HOUR (PDH)

MARCH 16, 2021 12:00 P.M. - 1:30 P.M.

View the Presentation for Free (No NYS PDH)  
 \$20 for CSCE Members who want to earn 1 NYS PDH  
 \$30 for Non-CSCE Members who want to earn 1 NYS PDH



Registration information  
 can be found at [www.csce.org](http://www.csce.org)



### 2021 SPRING GEOTECHNICAL VIRTUAL SEMINAR



GEO-  
INSTITUTE  
Connecticut Valley  
Chapter



FRIDAY, APRIL 16, 2021

10:00 A.M. - 12:00 NOON

### MORNING DISCUSSIONS ON MECHANICALLY STABILIZED WALLS AND LIGHTWEIGHT FILL APPLICATIONS

Earn 2 New York State Professional Development Hours (2 NYS PDHs)

10:00 a.m. - A Perspective on Mechanically Stabilized Earth Walls: Pushing the Limits or Pulling Us Down

Robert C. Bachus, Ph.D., P.E., D.GE, Senior Principal at Geosyntec Consultants

11:00 a.m. - Lightweight Fill Applications

Vern R. Schaefer, Ph.D., P.E. (SD), James M. Housner Professor of Geotechnical Engineering at Iowa State University



\$40 to earn 2 NYS PDHs

Free to watch Seminar  
 (no NYS PDHs)

\$300 Sponsorship  
 (includes 1 NYS PDH  
 Attendee Registration)

All profits from CSCE  
 continuing educational  
 activities fund the CSCE  
 scholarships.

Register at [www.csce.org](http://www.csce.org)



## CSCE Scholarship Awards



## ASCE Multi-Region Leadership Conference (MRLC) 2022

The American Society of Civil Engineers' (ASCE) Connecticut Section Younger Member Group (YMG) is proud to announce that the 2022 ASCE Multi-Region Leadership Conference (MRLC) will be held in Hartford, Connecticut at the Hartford Marriott Downtown/Connecticut Convention Center on January 27-29, 2022. We are excited to host the MRLC in Connecticut for the first time in 2022. While the conference won't take place for another 10 months, we are already planning great things for Hartford! We're looking for commitments from local firms and organizations to sponsor the conference. To show our appreciation, contributing organizations will be acknowledged as described for the associated levels listed below. Please note there is limited availability for the Platinum and Gold Level Sponsorships.

Each year, the MRLC attracts over 500 engineering professionals, students, and educators from 24 eastern states, 5 eastern Canadian Provinces, and Puerto Rico. The focus of this conference is to mold engineers into leaders of their industry. This conference provides leadership training, professional development, and networking opportunities in addition to technical sessions. Speakers and panelists are

typically society, community, industry, or local political leaders providing unique perspectives on leadership and the future of the civil engineering profession.

**Please consider supporting this conference at one of the following suggested sponsorship levels.**

To confirm your sponsorship level, please visit our website: [www.ctmrlc.com](http://www.ctmrlc.com)

Please email any questions to [csceymg@gmail.com](mailto:csceymg@gmail.com)



Platinum Level (Limited Availability)	Gold Level (Limited Availability)	Silver Level	Bronze Level
<b>\$5,000</b>	<b>\$2,500</b>	<b>\$1,250</b>	<b>\$500</b>
Sponsor one of the three nighttime events: Thursday Social, Friday Social, or Saturday Awards Dinner (Sponsor Social Selection based on order of sponsorship)	Logo on all conference lanyards	Opportunity to provide company promo items for attendee gift bags	Listed as a sponsor on conference breakout room posters, slideshows, and mobile app
Company logo on all attendee gift bags	Free one page advertisement in CSCE Newsletter	One free open position listing in CSCE Newsletter	
<b>All Gold Level benefits</b>	Listed as a sponsor on networking event signage	Personalized 'Thank You' post on social media/ website platforms	
	<b>All Silver Level benefits</b>	<b>All Bronze Level benefits</b>	

## 14th Annual Achievement in Civil Engineering (ACE) Awards

CSCE would like to honor the design and construction achievements of Connecticut Civil Engineers through its achievement in Civil Engineering (ACE) Awards. As such, CSCE invites engineering firms to nominate projects that were planned, designed, or constructed substantially between January 1, 2020 and December 31, 2020 in Connecticut. The Awards will commend projects in which significant engineering expertise or innovation was exhibited by Connecticut Engineers and especially CSCE members.

- Deadline for Application: July 31, 2021

- Applications available at [www.csce.org](http://www.csce.org)<sup>4</sup>.



## Project Spotlight

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### *Perry Memorial Arch - Bridgeport, CT*

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**Owner:** The City of Bridgeport

**Type of Project:** Condition Assessment and Rehabilitation Design

The Perry Memorial Arch is a monumental double arch structure located in Seaside Park in Bridgeport, CT. The structure was designed by Henry Bacon Architects and constructed by Sperry and Treat of New London in 1918. The structure utilizes mass masonry construction with granite at the outer wythe and common brick at the inner wythes.

The City of Bridgeport hired Wiss, Janney, Elstner Associates, Inc (WJE) to perform a comprehensive condition assessment of the structure in preparation for a restoration and rehabilitation project. After reviewing historical documentation on the arch's construction, surveying the interior and exterior of the

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<sup>4</sup><https://www.csce.org>

monument, and performing a structural analysis of the structure, WJE determined that while the structure was adequate to resist all anticipated applied loading, a rehabilitation effort would be required to ensure long term performance. Design Documents are currently being developed for this repair project.





Photo Credits: WJE

## Employment Opportunities



### U.S. Department of Transportation

## Federal Highway Administration

- Federal Highway Administration
- Seeking: Transportation Engineer
- Job Posted: March 10, 2021

The FHWA is accepting applications for a Transportation Engineer. Duties include:

- Providing stewardship & oversight to CTDOT in Newington, CT & 4 Districts in CT
- Reviewing & approving projects planned, designed, constructed, inspected, & maintained by CTDOT & other municipalities in CTP. E. not required. For more information, visit the FHWA website<sup>5</sup> and visit the local office's website<sup>6</sup>. Posting will remain open until 3/18/21 at this link<sup>7</sup>.



- Hardesty & Hanover
- Seeking: Experienced Civil Engineers
- Job Posted: February 5, 2021

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<sup>5</sup><https://www.fhwa.dot.gov/>

<sup>6</sup><https://www.fhwa.dot.gov/ctdiv/>

<sup>7</sup><https://www.usajobs.gov/GetJob/ViewDetails/594429500>

Hardesty & Hanover is currently seeking engineers to join our expanding civil engineering design group in New England. Our New Haven office seeks experienced Civil Engineers with expertise in roadway, drainage, traffic, and highway safety design. Applicants should be able to perform design tasks, lead small groups, communicate effectively, and collaborate to meet objectives. Our firm offers a close-knit employee-based culture and opportunities for professional growth and leadership. Please visit <https://www.hardestyhanover.com/current-openings/> for further details.

# **LANGAN**

- Langan
- Seeking: Traffic/Transportation Engineers with 6+ Years Experience
- Job Posted: October 12, 2020

Langan opportunity in New Haven, CT for a Traffic/Transportation Engineer with focus on traffic impact studies, parking studies & traffic signal design. Must be knowledgeable in the application of traffic engineering & transportation planning principles for conducting impact analyses & off-site improvement mitigation plans. Equal Opportunity Employer For details & to apply <https://www.langan.com/jobs/traffic-transportation-engineer-6-years-of-experience>



- Nathan L. Jacobson & Associates
- Seeking: Project Engineer
- Job Posted: September 18, 2020

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](http://www.nlja.com)<sup>8</sup>.

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<sup>8</sup><https://www.nlja.com>



- Conlon Engineering, LLC
- Seeking: Structural Engineer
- Job Posted: September 14, 2020

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 [conlonengineering.com](http://conlonengineering.com) and email resumes to [office@conlonengineering.com](mailto:office@conlonengineering.com)<sup>9</sup>



- Engineering Firm in Branford, CT
- Seeking: Civil Engineer
- Job Posted: September 11, 2020

#### Skills and Experience

- Comprehensive knowledge of concrete, steel, masonry and wood structural design per IBC and referenced codes and standards required.
- Structural design experience in commercial design, required.
- B.S. and M.S. Degree in Civil Engineering (structural coursework emphasis).
- Structural Professional Engineer (PE) license required.

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<sup>9</sup><https://office@conlonengineering.com>

Call Cindy 203-643-6895 or email [cindy@reitmanpersonnel.com](mailto:cindy@reitmanpersonnel.com)<sup>10</sup> for a complete job description



- Pereira Engineering
- Seeking: CADD/Survey Technician
- Job Posted: September 11, 2020

Pereira Engineering is an established Civil/Environmental/Land Surveying firm located in Shelton, CT. PE is seeking a Survey/CADD Technician with one plus (1+) years experience in land surveying and/or CADD drafting. Duties include AutoCAD drafting, downloading/uploading survey data, and land record research. PE offers a very competitive salary and benefits. Please email resume to: [joe.pereira@pereiraeng.com](mailto:joe.pereira@pereiraeng.com)<sup>11</sup>.



- Siefert Associates, LLC
- Seeking: Assistant Engineer (EIT)
- Job Posted: September 11, 2020

Siefert Associates, LLC is seeking an Assistant Engineer (EIT). Position participates in all phases of the design process, including assessing performance of engineering systems, and determining innovative solutions to challenging construction problems. Project sites are in CT, NY & NJ. Self-motivated, proficiency in MathCAD/AutoCAD preferred; previous construction experience is helpful. B.S./B.E. in Civil Engineering. EIT certified or in pursuit. 0-2 yrs experience.



- Siefert Associates, LLC
- Seeking: Assistant Geotechnical Engineer

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<sup>10</sup><https://cindy@reitmanpersonnel.com>

<sup>11</sup><https://joe.pereira@pereiraeng.com>

- Job Posted: September 11, 2020

Siefert Associates, LLC is seeking an Asst. Geotechnical Engineer. Prepare calcs, drawings, engineering reports, inspect as-built conditions, monitor subsurface exploration, soil testing. Projects include SOE for heavy construction, design & installation of waterfront structures, utility protection, foundations, analyses for slope stability & equipment surcharge, methods of soil improvement. EIT certified or in pursuit. 0-2 yrs experience. MS preferred.



- Siefert Associates, LLC
- Seeking: Structural Project Engineer
- Job Posted: September 11, 2020

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.



- Siefert Associates, LLC
- Seeking: Senior Project Engineer
- Job Posted: September 11, 2020

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.



- Down to Earth Consulting, LLC
- Seeking: Staff Engineer/Geologist
- Job Posted: April 6, 2020

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](mailto:ray@downtoearthconsulting.com).



## Memberships

### ASCE and CSCE Membership

ASCE members come from all disciplines of civil engineering, from all types of environments, and from all over the world. With benefits geared to meet the high standards of professionalism, ASCE strives to cater to each member's needs.

Membership in CSCE is granted to ASCE members upon receipt of Connecticut Section dues. Connecticut Section dues are \$30 per year. Please include your section dues with your national membership renewal. We can accept mid-year memberships. Please contact our Membership Committee Chair<sup>12</sup> for more information about CSCE and ASCE. To join the Connecticut section of ASCE, please go to the ASCE website ([www.asce.org](http://www.asce.org))<sup>13</sup> and click on Join at the top of the page.

Why join CSCE? Please click here<sup>14</sup> for our PowerPoint Presentation from a Professional Issues Seminar on Tuesday, April 8, 2008 about the Advantages to Joining Professional Associations

### Transferring Section Membership

Have you recently moved to Connecticut, or are you about to? If you are a current ASCE and local Section member you can transfer your Section membership to CSCE. Once you move to Connecticut, you may go online to [www.asce.org/myprofile](http://www.asce.org/myprofile) and<sup>15</sup> log in change your address information. This will initiate

<sup>12</sup><mailto:Brianna.Maljanian@wsp.com>

<sup>13</sup><http://www.asce.org/>

<sup>14</sup>[http://sections.asce.org/connecticut/sites/sections.asce.org.connecticut/files/Professional Issues Seminar.ppt](http://sections.asce.org/connecticut/sites/sections.asce.org.connecticut/files/Professional%20Issues%20Seminar.ppt)

<sup>15</sup><http://www.asce.org/myprofile> and

the transfer from your old Section to the Connecticut Section. If you encounter any trouble while online, you can also contact the ASCE Records Department via email at [memrec@asce.org](mailto:memrec@asce.org)<sup>16</sup> or (703) 295-6300 to provide you new address information and the transfer can be handled that way as well.

If you are moving out of Connecticut, you can follow the same procedure to transfer from CSCE to your new local Section. We are sorry to see you go, but hope that you continue to be active in ASCE and your new local Section. For information about the local Section for where you are moving, you can visit the ASCE website @: <http://www.asce.org/Regions-Sections-Branches/><sup>17</sup>

### **Advancing your Membership Grade**

Do you need to advance your membership grade? Are you a recent graduate? Did you get your P.E. license? ASCE and CSCE encourage you to advance your membership grade as your professional career progresses. Information and instructions are available on the ASCE website<sup>18</sup>

### **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

## **Contact Us**

The 2020-2021 CSCE Executive Board thanks you for taking the time to read this newsletter. Should you have any questions, comments, or concerns - feel free to contact one of our members<sup>19</sup>.

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<sup>16</sup><mailto:memrec@asce.org>

<sup>17</sup>[http://www.asce.org/regions\\_sections\\_branches/](http://www.asce.org/regions_sections_branches/)

<sup>18</sup><http://www.asce.org/upgrade-your-membership/>

<sup>19</sup><http://sections.asce.org/connecticut/contacts>

## About CSCE

The CSCE is the result of a merger of two organizations that occurred 30 years ago. The Connecticut Society of Civil Engineers was founded in 1884, while the Connecticut Section of the American Society of Civil Engineers was founded in 1919. In 1958, the Section had 523 members. In 1955 (the nearest comparable year for reliable numbers), the Society had 1,033 members. The two organizations met separately until they merged in 1981, by mutual vote of membership, to become the Connecticut Society of Civil Engineers Section of American Society of Civil Engineers or CSCE.

Civil Engineers design and build our increasingly complex infrastructure; work with government officials, citizens and businesses to promote better infrastructure maintenance and renewal; and build commerce in Connecticut and throughout the World. We serve diverse industries including government, consulting, construction, academics and manufacturing and we work in a variety of disciplines including geotechnical, environmental, structures, transportation, and water resources.