

BSCES NEWS

A MONTHLY PUBLICATION OF THE BOSTON SOCIETY OF CIVIL ENGINEERS SECTION/ASCE

VOL. 43 | NO. 9 | MAY 2019 Younger Member Group / Outreach & Volunteerism

Making an Impact with Outreach and Volunteerism

by Joanna M. Samson, Communications Specialist, CDM Smith

Engineering and construction firm CDM Smith strives to make meaningful impacts in communities around the world through outreach and volunteer programs. Among these initiatives is the CDM Smith Cares Program, a grassroots volunteer program implemented by employees to support community efforts and charitable organizations that are important to them. By leveraging the combined resources of local leaders and dedicated volunteers throughout CDM Smith's global offices, employees are encouraged and supported to give back, improving the quality of life in communities near and far.

Inspiring the Next Generation with STEM Outreach

Partaking in science, technology, engineering and mathematics (STEM) outreach is another great way to make a positive contribution. Exposing kids to STEM at a young age teaches them to be critical thinkers and sparks passion for future careers in these critical fields. Outreach can be as simple as presenting project work to a local classroom or serving as a judge at a local science fair. Many professional organizations organize STEM outreach events,



Students enjoyed Science Day at the Zaatari refugee camp in Jordan.

including BSCES, which hosts numerous school visits and a variety of competitions involving hands-on engineering experience with K-12 and college students.

Taking STEM outreach beyond his local community in Boston, Ayman Halaseh, PE, a water resources engineer at CDM Smith, and his wife Shirin Haddadin, a 6th grade science teacher in Winchester, MA, started a STEM for Syrian Refugees non-profit project in 2017 in Jordan. Since its start, the project has expanded

continued on page 2

UPCOMING EVENTS

Risk Management for Infrastructure: How to Make Informed Decisions for Infrastructure Facilities at Organizational, Program and Project Levels
June 6 – 7, 2019

Geo-Institute Social at Slumbrew
June 7, 2019

2019 Lawler Lecture
June 11, 2019

2019 Bertram Berger Seminar—Leadership in the Storm
June 12, 2019

Structural Engineering Feud
June 25, 2019

YMG Red Sox Game at Fenway Park
July 17, 2019

Further Details Inside



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President's Report

by Geoffrey B. Schwartz, PE, Sr. Project Manager, GZA



Dear Members,

I wish everyone a happy and healthy start to the summer and looking forward to enjoying the outdoors a lot more! We are starting the final month of the BSCES fiscal year calendar and still have several great events being offered in June and July. I hope you have time to attend some of these. I am excited to announce that our 170th Annual Awards Dinner will be held on

Tuesday, July 16th, from 5 PM – 8 PM at the Royal Sonesta in Cambridge, MA. We will be thanking all the hard working folks who have contributed to the industry and community, including four BSCES Honorary Members (the highest award that can be bestowed by BSCES). Our 2018-2019 Honorary Members include our keynote speaker Stephanie Pollack (Secretary and Chief Executive Officer, MassDOT), Glenn Bell (Senior Principal, SGH), Katie Choe (Chief Engineer/Director of Construction Management,

City of Boston Public Works), and Stephen Taylor posthumously (Senior Vice Principal, Mott MacDonald).

We also received the BSCES election results for the new year (July 1, 2019 – June 30, 2020), please join me in congratulating the incoming class of BSCES volunteer leaders—thank you for your interest and dedication to this Society and I look forward to seeing next year's developments and initiatives!

continued on page 4

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Boston Society of Civil Engineers



Making an Impact with Outreach and Volunteerism

continued from page 1

to two refugee camps: Zaatari and Azraq, which host over 200,000 refugees combined. The initiative has raised over \$17,000 through GoFundMe to provide STEM training and demonstration classes and workshops for students. Halaseh and Haddadin also established 10 STEM clubs that have introduced 150 students to engineering design process concepts. In the second phase of the STEM clubs, students design and build a solution for problems they have identified within their community. One student, Miriam Mohammad, stated, "Personally, I thought that engineering was a dry subject until I was introduced to it and began loving it." The students have impressed Halaseh, who says, "They've showed us how to be creative even with very limited resources, and how to find happiness even in the darkest times."

Protecting and Preserving the Charles River with Earth Day Events

CDM Smith has proudly supported the Charles River Watershed Association (CRWA) for more than 20 years, participating in its Annual Earth Day Charles River Cleanup and sponsoring its Annual Run of the Charles Canoe & Kayak Race. CRWA has made great strides in water quality improvements, turning Boston's 'dirty water' and its surroundings into a gorgeous recreation area. The Charles River Cleanup brings together over 3,000 volunteers each year to pick up litter and assist with park maintenance. Our sponsorship supports the day's events and helps CRWA continue to make improvements to the health, beauty and enjoyment of the Charles River and its tributaries.

Volunteering through Engineers Without Borders USA

CDM Smith has been an official corporate partner of Engineers Without Borders USA (EWB-USA) since 2007. The firm supports its employees' involvement with local chapters and projects that aid communities across the globe to meet their basic human needs. CDM Smith's corporate partnership with EWB-USA's Project and Employee Grants Program helps offset related expenses, such as travel costs, for its employees.

Alan Phelps, PE, a civil water engineer at CDM Smith, is a member of EWB's Chicagoland Professional Chapter and is no stranger to lending his skills, having made six trips abroad. Through a network of volunteers in 2014, Phelps became aware of the Wema Children's Centre and Highway Academy, a home to over



EWB-USA Chicagoland Professional Chapter members at the Wema Children's Centre and Highway Academy in Kenya in April 2019.

200 orphans and school for over 300 children in Kenya that was experiencing water contamination issues stemming from their water borehole. Phelps presented the potential project to his fellow EWB Chapter members, who voted to take on the design of a water treatment system for the community. In 2017, Phelps traveled to Kenya with the EWB-Chicagoland volunteers to implement the system. "Our team designed the water treatment system to meet the needs of the local community, but training the locals and making sure they understood how to operate and maintain it was vital to the system's success," said Phelps.

Returning to Kenya this past April, Phelps and the EWB team conducted an assessment for a water system expansion and new sanitation facilities and installed a pilot rainwater harvesting system. Electrical engineers within the Chapter have also stepped in with plans to power Wema's campus and borehole pump with solar energy to end days-long struggles of no clean water. "One of the great things about EWB is that you are able to work with a diverse team of people," noted Phelps. "I've met engineers from all types of backgrounds in civil, chemical, transportation, and even aerospace engineering. They've all been helpful in providing different skill sets and perspectives and have shared the ability to think analytically on the fly."

Fundraising to Support Water for People and Strengthen Corporate Culture

In addition to EWB, CDM Smith and their employees have supported Water for People (WFP) for 15 years. WFP is a non-profit organization that promotes the development of high-quality drinking water and sanitation services, accessible to all, and sustained by strong

continued on page 9

Building and Learning Together—Engineers Without Borders Student Volunteers in Chuxil, Guatemala

by Ron Burns, PE, MASCE, Mentor, Engineers Without Borders Northeastern University Student Chapter

In January 2019, I joined a team of students from the Northeastern University Student Chapter of Engineers Without Borders (EWB-NEU) on a 10-day trip to Guatemala. EWB-NEU had partnered with the community of Chuxil, Guatemala to help build a new school for their community. The community's current school is rough-hewn, with a dirt floor and in constant need of repair. It is also a single room school that is too small for the increasing number students wanting to attend.

The purpose of this first trip to Chuxil was two-fold. The first was to gather all the data needed to design and construct the school, which includes: topographic survey, soil testing, sourcing of available building materials and equipment, determining permitting requirements, and understanding the population demographics. The other and equally important purpose was to meet the community members to understand their needs for the school and begin to establish a working partnership with the community.

EWB-NEU used processes, methods and practices developed by EWB-USA to prepare for the trip. These methods and practices were developed based on EWB-USA's 20 years of project experience in some of the world's toughest places. This allowed the team to hit the ground running and establish a busy schedule of data collection and research. The EWB-NU team lived in a small vacant home in Chuxil that not only provided easy access to the building site but also gave us virtually 24/7 interaction with the community. The community helped with many of the field activities including the surveying, soil testing and demographic data collection. I was impressed by the community volunteers' energy, kindness and dedication to helping us. All this interaction, along with the



EWB-NEU team members listening to the community was a critical task



EWB-NU team members completed the topographic survey of the site

organized meetings with the community helped us in achieving our second purpose of establishing a working partnership with the community. It was quite clear from our discussions with many of the parents that, like parents everywhere, they wanted the best education they could provide for their children. I think all of us on the team felt by the end of

the trip confident that the community would be a dedicated and hard-working partner.

Engineers Without Borders student chapters have two goals. One is the goal of partnering with communities to help meet their basic needs such as clean water, a footbridge, or a new school. The second goal is to provide engineering students of all disciplines the chance to learn and apply engineering principles in real world situations through service learning. To help write about this I asked several of the team members for their thoughts of a few of the most important things they learned or experienced on the trip:

Lauren Grove

Candidate for BS/MS in Bioengineering 2022 at Northeastern University

"Coming from a non-structural background, this project was daunting for me; however, our assessment trip turned out to be a learning curve for all of us as we used our gathered data to begin the moldings of design. We were also amazed at the eagerness of the community; in fact, our EWB-employed cook/translator said she had never seen a community so enthusiastic: signs of a strong partnership we are excited to continue."

Rishi Shah

Candidate for BS in Bioengineering 2019 at Northeastern University

"Some of the most impactful experiences from the trip for me were derived from the bonds we developed with the community during our time in Chuxil. Not only were they helpful during our day-to-day assessment activities, but they openly shared their stories, their language, and their perspectives with us throughout the trip. The personal impact of these interactions renewed the vigor and enthusiasm

continued on page 4



CDM Smith employee volunteers dedicate themselves to supporting local and regional community outreach activities and charitable organizations through our CDM Smith Cares Program.

Earth Day river cleanup. Learn more at cdmsmith.com/en/About-Us/CDM-Smith-Cares

Building and Learning Together

continued from page 3

which we brought to our partnership and project when we returned to Boston.”

Matthew Burmeister

Candidate for BS in Civil Engineering 2020 at Northeastern University

“As an engineering student, one of the most important takeaways of this trip for me was just how crucial communication can be to the success of a project. First of all, there is a distinct language and cultural barrier between our team and the community of Chuixil, who are predominantly Ki’che (Quiche in Spanish) and speak in Ki’che, a Mayan Language rather than Spanish. The members of our team have never traveled to Guatemala. Every step of the way, it is

important for us to acknowledge the culture and opinion of the community without imposing our own bias.

We need to translate all the desires of the community, the engineering judgement of our team, and the input of other professionals into a cohesive report that can be approved by EWB-USA and provide both EWB and the members of Chuixil with a clear instruction of how to build and maintain the school structure.

Finally, we must communicate with one another, in order to complete trip tasks and to disseminate information to our peers upon returning to Boston. When we focus on these things, we find the most success in our work!”

As for myself, working with the students has been a great way to utilize my engineering skills in a way that helps communities in need and, as EWB’s mission says, to “build a better world through engineering.” All the students I work with are bright, dedicated, service-minded and leave me feeling confident that the future of our profession is in good hands. Based on my own experience, I would encourage any engineering professional to consider volunteering with EWB. [Click here](#) to visit EWB-USA online. Most of EWB’s projects are international, but if you are interested in helping more locally, ASCE in alliance with EWB created the [Community Engineering Corps](#) online. They work in the US to help underserved communities.

President’s Report

continued from page 1

As we transition, we do have a few new endeavors we are working on, and again I would like to offer a call to BSCES volunteers who may be interested in joining committees or work groups to help with the following:

- Preparing a Massachusetts State Infrastructure Report Card
- Reviving the Western Massachusetts Branch
- Creating a Diversity and Inclusiveness Committee
- Becoming either a Mentor or a Mentee to fellow BSCES members.

- Supporting our many other technical and non-technical committees.

Please don’t hesitate to reach out to me if you are interested (see email below), and I will put you in touch with the right group chair. No experience needed, just a willingness to participate!

The May *BSCESNews* theme is Outreach & Volunteerism and its featured group is the Younger Member Group. Please read the page 8 article by YMG Chair Brian Paula from HNTB. If you are interested in submitting an article, please contact our Newsletter Editorial Board chair, Bruce Jacobs, at sr.vp1@bsces.org.

I’d like to thank our Society Sponsor CDM Smith, which is the sponsor of this month’s newsletter. I would encourage you to read CDM Smith’s page 1 article entitled, “Making an Impact with Outreach and Volunteerism.”

Please do not hesitate to reach out with comments, questions, and feedback, so that we may continue to serve you.

Respectfully submitted,
Geoffrey
president@bsces.org

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A Snapshot of Engineers Without Borders—Boston Chapter

by Carson J. Hess, Systems Engineer, Balfour Beatty

The EWB Mission

Engineers Without Borders-USA (EWB-USA) was founded in 2002 with an exceptionally powerful mission. From the EWB-USA website, “EWB-USA builds a better world through engineering projects that empower communities to meet their basic human needs and equip leaders to solve the world’s most pressing challenges.” The Boston Professional Chapter of EWB-USA was founded in 2005 with the goal of further executing this mission statement utilizing engineers and non-engineers alike in the Boston area, and has since performed work in Tanzania, Honduras, Colombia and Costa Rica.

Boston to Tanzania

In particular, our team has been working in the village of Mkutani, Tanzania since 2012. Prior to our team’s involvement in the village of approximately 3,000 people, the villagers would either obtain water from a nearby, heavily-polluted river, purchase water from neighboring villages for exorbitantly high prices, or dig wells by hand; an arduous and dangerous task. In response, the Boston Professional Chapter began a four-phase project intended to introduce a clean water source to the village and drastically improve ease of access. Based on hydrogeological survey performed at the time, our team drilled a borehole well in 2016 approximately three kilometers from the village center and installed a hand pump. Further assessment trips revealed the hand pump to be failure-prone, and as a result, the villagers still needed to supplement with the other water sources. In response, our team traveled again to Mkutani in August 2018—this time successfully installing a 10,000L storage tank and solar pump system.



Mkutani Villagers operating the hand-pumped clean water source.



Mkutani Village children trekking to a water source.

Today, our team is working towards Phase III of the Tanzania Program. Phase III consists of building a 52,000L storage tank on a nearby hill and routing three kilometers of pipe from the large-capacity tank into the village center; thus all but eliminating this distance that

mainly school children, girls in particular, must trek in order to provide the village with water. During Phase IV, our team will build a demand-based distribution system that routes water from the village center into the villagers’ homes. In order to travel to Mkutani and successfully implement Phase III of our project in late 2019 however, our team needs to raise about \$49,700. Throughout the various phases of the Tanzania Program, the Boston EWB Professional Chapter has showed our support for local student-led chapters of EWB-USA, as our Mkutani project team has partnered with both Harvard and MIT. In addition, our chapter’s leadership continues to professionally mentor EWB-USA student leaders in the Boston area.

Involvement and Investment

The Boston Professional Chapter strongly encourages both engineers and non-engineers to become involved in our work. Our team is constantly in need of water and structural engineers, as well as individuals experienced in fundraising, marketing, and international development. But ambitious and professional volunteers are only one piece of the puzzle—since our work is non-for-profit, we need to raise tens of thousands of dollars each year just to execute our existing work, let alone adopt additional work! Ultimately our chapter’s impact across the globe is dictated by how much money we can raise and how many driven volunteers join our ranks. [Click here](#) to read more about the Boston Professional Chapter of EWB-USA online. [Click here](#) to financially contribute to our work.



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Outreach Group—BSCES’s Energizer Bunny

by Maria Cadena, PE, Project Engineer, Mott MacDonald

This school year has been fun packed for the BSCES Outreach Volunteers! We have been busy organizing three New England sector competitions (Future City Competition, Model Bridge Competition, and Ralph Salvucci Online Bridge Competition), volunteering at more than 15 STEM events, building new engineering toys, and sharing our passion for engineering with hundreds of kids of all ages.

Our program is about exposing kids to what we do and inspire them to picture themselves helping civilization through engineering. Kids learn about engineering by designing a city of the future (Future City Competition), building our mini Zakim Bridge (STEM Expos), standing on a super strong Mechanically Stabilized Earth (MSE) block (STEM Workshops), and interacting with real life engineers.

Here’s our 2018/2019 school year in a nutshell:

- Organized Future City Competition
- Organized the Model Bridge Competition
- Organized Online Bridge Competition
- Attended all these STEM Events: Boy Scouts MassJam, Geek is Glam Expo, TECET Career Fair, Girl Scouts STEM Expo, Jr. Tech STEM Expo, Cub Scouts of Leicester MSE Block Building Day, Wellesley STEM Expo, Cambridge Science Festival—Carnival & Robot Zoo!

Our Spring Awards Dinner was held on May 30th at the Chateau in Waltham. There we celebrated the dedication of the young



We couldn’t do the Future City Competition without our amazing volunteers

individuals who have strived for excellence in this year’s contests. The winners were there with teachers and parents to accept their awards. This year’s Herzog Award winner was revealed at the dinner and there was a presentation of the winning paper by the author. The evening culminated with a keynote speech by ASCE President Robin A. Kemper.

We are always looking for more volunteers who share a passion for engineering and education. Volunteers can join us for a weekend event, help us run a competition, or participate on our Planning Committee! Look for the Outreach Group flyer attached to your newsletter for more information.



Learning about mechanically stabilized earth with the cub scouts of Leicester (Maria Cadena on the left)

Become a BSCESNews Contributor

Would you like to contribute to the newsletter of the oldest civil engineering society in the country? The BSCES Newsletter Editorial Board is seeking members who are willing to write articles for publication in *BSCESNews* or to join the Editorial Board.

Typically 400 to 900 words, BSCESNews featured articles are about technical topics or professional matters of interest to civil engineers. The June 2019 issue of the newsletter for example, will highlight the Coasts, Oceans, Ports, and Rivers Institute Boston Chapter and feature one or more articles on the theme of Emergency Preparedness.

Editorial Board members meet monthly via conference call to plan upcoming issues of the newsletter. They also solicit, write and/or review newsletter articles.

For more information on how you can become a *BSCESNews* contributor contact BSCES Newsletter Editorial Board Chair Bruce Jacobs at sr.vp1@bsces.org or BSCES Association Manager Rich Keenan at rkeenan@engineers.org or at 617/305-4110.

BSCES Member Profile: Malek A. Al-Khatib, PE, Vice President, Louis Berger

by Bruce Jacobs, PE, PhD, Bunker Hill Community College and BSCES Senior Vice President

Drafting a profile of Past BSCES President Malek Al-Khatib is quite the challenge given his dense 40+ years of work experience and volunteer activities. Name a significant piece of our transportation infrastructure and it's likely that he had a hand in either building the original item, its rehabilitation or repair, or its replacement. His career included stints at Ambric Testing, Rizzo Associates, Gannett Fleming, HDR, and Louis Berger. At Louis Berger, he had the distinction of simultaneously serving as the Vice President for the New England region and the National Structural Director, supervising Berger structural managers nationwide.

Malek is no stranger to taking on challenging design projects. Consider the following typical non-textbook and high-profile projects in which he's been engaged during his career:

- During the Central Artery/Tunnel Project, Malek was responsible for the design of Dorchester Avenue Bridge over the Fort Point Channel and for providing cost-effective solutions to build the bridge on drilled shafts in the wet and on columns built over the immersed tube tunnels in the dry area. Other Central Artery activities included serving as Project Structural Engineer responsible for the preliminary, final designs, and construction phase services of complex viaducts; bridges; slab-on-pile structures supporting fill embankments; precast curtain walls supported by grade beams on piles; retaining wall structures; seawalls and special structures, and foundations for all types of sign supports and traffic signals.
- Malek has utilized innovative practices such as the replacement of the 145-foot length Shore Line Bridge in Boston using Accelerated Bridge (AB) Construction. This resulted in the removal of the old bridge structure and its replacement over two five-hour sessions on consecutive evenings.
- Malek served as Project Manager on the reconstruction of MBTA Red Line Bridge over Clayton Street in Dorchester. He utilized AB Construction where the bridge was replaced in 56 hours during a weekend Red Line shutdown.

Malek was born in Homs, Syria to a family of four siblings. He acquired a Bachelors Degree in Civil Engineering at the Damascus University in 1972. That was supplemented by a Masters of Science in structural engineering from the Dundee University in the United Kingdom in 1976. Before moving to the US, Malek was leading a family owned engineering business—his late father was an engineer who graduated from Germany in 1931 and his brother is a civil engineer. Malek came to the US in 1987 to take a



Malek A. Al-Khatib, PE, Vice President, Louis Berger

position as Project Quality Assurance Manager for a \$250 million Fashion Center at Pentagon City project with Ambric Testing and Engineering in Alexandria, Virginia. All while studying for an advanced degree in Engineering Management at George Washington University, passing EIT and PE exams in Virginia in 1990. He graduated from GWU in 1992.

In addition to his successful engineering career, Malek has found numerous ways to serve both the community and the civil engineering profession. For BSCES, he has served in numerous capacities, including as Structural Group Chair, Infrastructure Group Chair, two years as Assistant Treasurer, six consecutive years as Treasurer, and President. In addition, he has engaged in numerous roles within the community, including positions as co-founder of the West End Civic Association, co-chair of the Center Artery / Tunnel Bulfinch Triangle Development Parcels Task Force, five years on the Central Artery / Tunnel Completion Mayoral Task Force, and served on several Boston Redevelopment Authority Impact Advisory Groups.

I had the honor of working on the BSCES Board during Malek's tenure as president. Malek had an obvious deep affection for the civil engineering profession and BSCES that was expressed by his tireless lead-by-example efforts to build on the society's strengths. He also had a deep and profound understanding of the engineering business complemented by a tremendous sense of humor that is missed since stepping down from the Board.

Having been born overseas, were there special challenges that you had to overcome in establishing a career in the US?

The first three years in the US were similar to an engineering boot camp. I was working full time in a highly demanding job as QA manager for the construction of a \$250 million project that was completed in 18 months, studying full time at GWU

and preparing and taking both EIT and PE exams. I had 20 years of experience and was converting that to a US experience. I chose the construction QA job as I strongly believe that understanding construction methods and challenges will make you a better designer. Also, since my education and experience were outside the US, I chose taking the EIT and PE exams to ensure that my credentials would be taken seriously in the US. Running a competitive family business made me look for challenges.

How did you end up as a civil engineer? Why structures?

My high school grades gave me the choice to choose any college and I was considering either the medical college or engineering college. I chose engineering as it allows you to use more math and logical deduction to understand the engineering topics, formulas, and materials. Also, the presence of family business helped reinforce this decision.

What advice would you provide for young engineers in school or just starting their career?

We are becoming more and more dependent on computer software programs that we lost track of fundamentals of engineering. Our strong understanding of engineering principals would allow us to validate the input and output of the software programs. This is especially important when we override the program parameters to match the conditions we are studying, which is almost the case in every project, and work with the software technical support to be sure the program is operating as we think.

On a more practical note, I believe that regardless of which discipline an engineer chooses, he/she should work and be trained in the various disciplines that interface with his selected discipline before settling down in that discipline. This would allow you to understand the logic and constraints other disciplines you are dealing with, adjust your design to their limits, know when they are overly conservative and need to revise their design to meet your limits, and be a true team player.

More importantly, if an engineer does not know how things are built, then he/she will not know how to design it properly. Field and construction experience is very important to understand how elements are fabricated, assembled, and constructed. Understanding the limitation of construction machines and human factors will make you a better designer capable of designing constructible projects. On the other hand, if you choose construction, it would be a good idea to spend some time on the design side to understand the design constraints and the true safety factors, instead of simply thinking that designers are over-conservative and that you can push the envelope without increasing the risk.

Featured Group

BSCES Younger Member Group

by Brian Paula, PE, Civil Engineer, HNTB, and BSCES Younger Member Group Chair

The mission of the Younger Member Group is to foster the professional growth, ethical awareness, and technical competence of the Section's younger members. The group organizes and encourages community outreach, outreach to students at local engineering colleges and universities, and encourages membership and participation in ASCE and BSCES committees, technical groups and other activities.

The YMG typically hosts a minimum of one event a month; these events vary from social events and sports competitions, to technical presentations. The events serve as an opportunity for young engineers and undergraduate students to meet peers, expand their network, learn about other companies and services within the industry, and have fun while developing technical and soft skills to support their careers.

The YMG organizes these events through monthly meetings which are attended by the YMG committee. The YMG committee is comprised of over 20 volunteers, plus additional YMG members who are interested in getting involved. The group uses these meetings as an opportunity to recap past events, plan future events, review the annual budget, and discuss volunteer opportunities. Below is a list of the technical and social events that YMG has hosted this year:

- Charles River Cleanup: Canoeing for Clean Water
- Civil Engineering Trivia
- Bocce Tournament on the Boston Common
- Presentation Skills Workshop
- Holiday Part & Toys For Tots Drive
- Billiards Tournament
- Construction & Site Tours
- Networking Socials and Meetups

The YMG has also taken a strong focus on outreach and community involvement this past year through the events below. YMG is so thankful for all of the time that the group members have volunteered!

- The YMG hosted a Holiday Meal Drive through the Greater Boston Food Bank (GBFB), raising over \$1,000 for local families in need of nutritious meals.



YMG teams at Charles River Canoeing for Clean Water



Playing for high stakes at the YMG billiards tournament

- GBFB Sorting Event: Volunteers helped sort through 8,000 pounds of donated food items
- Rosie's Place Drive: In conjunction with a social meetup, the YMG collected donated items for Rosie's Place, the first women's shelter in the United States.

Additionally, the YMG includes the Student Chapter Committee, which supports 10 Massachusetts ASCE student chapters in the region. The Student Chapter Committee Chair and the designated liaisons to each school provide the schools with information about upcoming events, scholarship opportunities, grants, and provide volunteer support for the school's events. This year, the YMG presented panels at a few schools, engaged the students to submit for scholarships and awards, and hosted

the annual ASCE Fall Leadership Student Caucus. The Student Caucus included a dinner and networking event, with a presidential address, a note from the ASCE Region 1 governor, and an interactive activity focusing on challenges and solutions for student leaders. The YMG also helped Simpson Gumpertz & Heger (SGH) organize the annual Student Night at Northeastern University, which included a keynote presentation on the 1,140-foot Hanking Center tower, China's tallest steel framed structure. Student chapter members were awarded annual awards and scholarships by BSCES and SGH during this event.

The YMG is excited for the summer events that we have planned, including a tech talk panel discussion event, a Red Sox game in July, and an end of the year party in June.

We hope to see you at future events! Please email ymg@bsces.org if you would like to get involved or have any questions.

Follow the YMG on social media to stay up to date on upcoming events

 [Boston Society of Civil Engineers Section \(BSCES\) Younger Member Group](https://www.linkedin.com/company/boces-younger-member-group)

 [@BSCESYMG](https://www.facebook.com/BSCESYMG)

 [@BSCES_YMG](https://twitter.com/BSCES_YMG)

Region 1 News You Can Use

by Shallan Fitzgerald, PE, Associate, PMA Consultants and Bruce Jacobs, PE, BSCES Senior Vice President

Members representing the Boston Society of Civil Engineers Section/ASCE attended and participated in two regional assemblies this session; the Fall Assembly was held on September 29 and 30 in Saratoga Springs, NY and the Spring Assembly was held on March 30 and 31 in Concord, New Hampshire. Anni Autio (BSCES historian) and Danielle Spicer (Region 1 governor) attended both assemblies, accompanied by Shallan Fitzgerald in the Fall and Bruce Jacobs in the Spring.

At the Fall Assembly, after proceeding through introductions, Region 1 procedural responsibilities and the Treasurer's Report, the delegates tackled a refresher of the Society's Vision, Mission, and Goals. Dr. Yvette Pearson educated attendees on ASCE Canon 8 regarding Diversity, Equity and Inclusion, and presented the BSCES representative, Ms. Fitzgerald, with the 2017 Section & Branch Diversity Award. Participants also obtained PDH credits for a lecture on Innovative Geosynthetics Reinforcement by Mr. John Folts. A reception at Gaffney's in historic downtown Saratoga Springs was hosted by the Mohawk Hudson Section.

At the Spring Assembly, discussion focused on an effort within ASCE to strategize on methods to encourage civil engineering students to become ASCE members and retain them as members following graduation. Jane Howell Lombardi reported that many students think of ASCE as a student club. She advised sections and branches to cultivate a relationship with faculty advisors to pass on information to the students. Students had also reported that they enjoy hearing about case studies but are not receptive to extended pitches on the benefits of ASCE membership. A set of online resources for

student groups is being prepared and should be ready for rolled out by July 2019.

Other Topics of Interest

Region 1 Grants. The region awards grants of up to \$500 to sections, branches, and student groups. [Click here](#) for instructions on how to apply for a grant.

Support for Canadian ASCE Student groups. A number of ASCE students in Canadian provinces are now included within Region 1 but lie outside of the domain of any existing Sections. The Region 1 director will discuss with ASCE national as to the type of support needed by student groups. Both the Vermont section and Boston section were asked to provide support to groups at universities located in Montreal (Polytechnique and ETS), Vermont due to proximity, Boston due to resources. The assembly also expressed support for holding a future Region 1 Assembly meeting in Montreal to encourage communication with these groups.

New England Council. At some time in the past, the New England sections informally met as part of a New England Council. These meetings have not been held for some time. We agreed to convene the New England Council at the next regional assembly as a means of determining the value of reviving the Council on an indefinite basis.

Nominations for the Region 1 Board of Governors. Nominations will be accepted in September for the BSCES seat on the Board. Election to the Region 1 Board of Governors is handled by ASCE.

The next meeting of the Region 1 Assembly will be on September 14 and 15 in Saratoga Springs, New York.



(Left to right) Danielle Spicer, Bruce Jacobs, and Anni Autio at the ASCE Region 1 Assembly meeting in Concord



Shallan Fitzgerald (center) received the Diversity and Inclusion award on behalf of BSCES

Making an Impact with Outreach and Volunteerism

continued from page 2

communities, businesses and governments. CDM Smith runs an annual Workplace Giving Campaign led by Senior Vice President Jeff Montera, PMP, and supported by a network of local coordinators in US offices. Supporting WFP is an awesome way to make a difference and reinforce our culture by bringing employees together," says Montera.

This year, Ehsan (Nick) Minaie, PhD, PE, senior management consultant, traveled to Bolivia, visiting the local WFP office and several villages in the region that have benefitted from WFP assistance. "I was especially impressed by

the cooperation between WFP, the municipalities and the communities," said Minaie. "A large aspect of what WFP does is training and education, not only for personal and community hygiene, but also to ensure these communities are self-sufficient in operating and maintaining the water facilities and systems. I was blown away by the Bolivian hospitality and gratitude for access to clean water and bathrooms made possible through WFP." CDM Smith's WFP Giving Campaign has donated more than \$1.86 million since the program's inception and hopes to hit the \$2 million mark this year.



Nick Minaie (bottom, center) visited the village of Pilancho as part of the 2019 Water For People Impact Tour in Bolivia.

Younger Member Group Volunteers Lend a Hand to the Greater Boston Food Bank

by Brian Paula, PE, Civil Engineer, HNTB and BSCES Younger Member Group Chairperson

On Wednesday February 27, 2019, members of the Boston Society of Civil Engineers Section/ ASCE Young Members Group volunteered at the Greater Boston Food Bank, helping to sort various donated food related items. The Greater Boston Food Bank is a non-profit organization that serves around 600 hunger-relief agencies throughout Eastern Massachusetts and provides hunger relief to nearly 500,000 people annually.

The BSCES Younger Members Group along with other volunteer groups worked together to help sort over 8,000 pounds of donated food items in just two hours' time. On the sorting floor, groups were divided into teams of three to four people. Each team had its own function. For example, some teams were responsible for opening up boxes of donated items to place onto a conveyer belt. Other teams were responsible for identifying the items on the conveyor belt and sorting them according to their category. There were teams that ran QA checks and teams that



Thank you to our YMG volunteers who showed up to help sort goods at the Boston Food Bank

helped move cargo shipments. This process assured that the food bank distributes high quality food items that are safe for their customers.

After two hours of busy labor, the group sat down with the food bank organizers to review

the accomplishments of the day. As mentioned earlier, the group helped sort over 8,000 pounds of food items. To put it in perspective, that's equivalent to 6,200 meals which can provide a family of four meals for one and a half years!

Recent News and Updates

BSCES Announces 2019–2020 Board of Government

BSCES is pleased to announce the results of the 2019–2020 BSCES Board of Government elections which concluded on May 17, 2019. Members of the 2019–2020 Board of Government will take their oath of office before their first meeting on Monday, June 24, 2019 and will officially assume oversight of BSCES with the commencement of the 2020 BSCES fiscal year on July 1, 2019. The members of the 2019–2020 BSCES Board are as follows:

President

Richard D. Maher, PE, PMP, LEED AP
Perry Associates, LLC

President-Elect

Bruce L. Jacobs, PhD, PE,
Bunker Hill Community College

Secretary

Kathryn Swanson, PE, CDM Smith

Treasurer

Gregory L. Mirliss, AECOM

Senior Vice President

Shallan C. Fitzgerald, PE, PMA Consultants LLC

Senior Vice President

Ronald K. Burns, PE, LSP, LEED AP
Arcadia Technology, Inc.

Vice Presidents

Michael R. Cunningham, PE, Kleinfelder

Christopher P. Hersey, LEED AP

Skanska USA Civil Inc.

Past President

Geoffrey B. Schwartz, PE
GZA GeoEnvironmental, Inc.

Institute Chapter & Technical Group Chairs

Coasts, Oceans, Ports & Rivers Institute Boston Chapter

Bryan N. Jones, PE, HDR, Inc.

Construction Institute Boston Chapter

Andrew Giocondi, PE, ENV SP
Skanska USA Civil Inc.

Engineering Management Group

Daron G. Kurkjian, Weston & Sampson, Inc.

Environmental & Water Resources Institute Boston Chapter

Marc J. Gabriel, PE, CPESC, Nitsch Engineering

Geo-Institute Boston Chapter

Laurie A. Gibeau, PE, GZA GeoEnvironmental, Inc.

Structural Engineering Institute Boston Chapter

Michael A. Cruz, SE
Green International Affiliates, Inc..

Transportation & Development Institute Boston Chapter
Kayla (Arruda) Sousa, EIT, Howard Stein Hudson

Younger Member Group

Elisa K. Yung, HNTB Corporation

ASCE Election Ends June 3, 2019

If you haven't already done so, there is still time to vote in the ASCE election before June 3, 2019. You have the opportunity to vote for ASCE president-elect and regional officers. This year's candidates for ASCE president-elect are Jean-Louis Briaud, PhD, PE, DGE, DistMASCE, Texas A&M University and Dennis D. Truax, PhD, PE, DEE, DWRE, FASCE, Mississippi State University. To read all of the candidates' vision statements, [click here](#).

Encourage Others to Join ASCE and See the Rewards

Do you have colleagues that have not yet joined ASCE? Participate in ASCE's Member Referral Program and receive a \$50 Amazon gift card for each new member that you recruit. [Click here](#) to learn more about ASCE's Member Get a Member Program.

SEND US YOUR NEWS! Looking to strengthen the community that is BSCES, the BSCES Executive Committee and Newsletter Editorial Board has decided to expand the content of this *BSCESNews* Recent News and Updates column by including more member news. Have you recently been recognized for a professional accomplishment, passed the Professional Engineer Exam, received a promotion, or changed employers? If so, send your news items to BSCES Association Manager, Rich Keenan, rkeenan@bsces.org.

Upcoming Events

For more information and to register for events, please visit www.bsces.org

To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information, call 617/227-5551.

Risk Management for Infrastructure: How to Make Informed Decisions for Infrastructure Facilities at Organizational, Program and Project Levels

This event is an ASCE and BSCES Sponsored Seminar

Thursday, June 6 – Friday, June 7, 2019

Embassy Suites by Hilton Boston at Logan Airport, Boston

8:30 AM - 4:30 PM

Jerry A. DiMaggio, PE, DGE, Principal Civil Engineer, Applied Research Associates, Inc.

Although the risk management process is mainstreamed into the culture and policies/procedures of many organizations, it has to a large degree, been underutilized, misapplied and often misunderstood by many infrastructure managers and technical specialists. This two day workshop will enhance participant's knowledge and confidence in the effective use of risk management principles and tools to better manage their respective roles and responsibilities to manage risks associated with infrastructure.

[Click here for more information and to register.](#)

Geo-Institute Social at Slumbrew

Sponsored by the Geo-Institute Boston Chapter

Friday, June 7, 2019

Somerville Brewing Company (Slumbrew), Somerville

6:00 to 9:00 PM

Come join the Geo-Institute of BSCES to end the 2018-2019 fiscal year at our social hosted at Slumbrew. Enjoy appetizers and refreshments in a reserved space with colleagues from the geotechnical industry. Registration to this event

includes appetizers and a drink token. This event is open to anyone and everyone who is interested in learning about the Geo-Institute Boston Chapter, how to become more involved, or just wants to socialize with fellow geo-professionals.

Please see the Insert at the end of this month's newsletter for further details.

2019 Joseph C. Lawler Lecture: New Berth 10 at Conley Container Terminal

An Engineering Management Group Special Fund Event

Tuesday, June 11, 2019

Fairmont Copley Plaza, Boston

6:00 PM Social/Registration

6:45 PM Meal

Presentation to Follow

Nhuy Hoang, PE, Program Manager, Maritime, Massachusetts Port Authority

Chet Myers, PE, CCM, Senior Waterfront Project Manager, Massachusetts Port Authority

This presentation will provide an overview of Massport's Conley Terminal Modernization Program. It will also feature an in-depth look at the new Berth 10 construction project at Conley Container Terminal, a \$215 million project designed to modernize the Port of Boston's container handling facilities to meet the needs of 21st century and beyond. The project involves siting a new 1,275 foot long pile-supported berth, procuring three new low-profile Ship-to-Shore cranes, underwater rock blasting, and dredging a new berth for Post-Panamax sized container vessels.

Please see the Insert at the end of this month's newsletter for further details.

2019 Bertram Berger Seminar— Leadership in the Storm, Combating Climate Change in the Bay State

A Transportation & Development Institute Boston Chapter Special Fund Event

Wednesday, June 12, 2019

University of Massachusetts Club, Boston

8:00 AM Registration

9:00 AM Panel Discussions & Social

12:00 PM Luncheon & Keynote Address

Keynote Speaker: Stephanie Pollack, Secretary and Chief Executive Officer, Massachusetts Department of Transportation

The 2019 Bertram Berger Seminar will examine the plans and policies in place to prepare Massachusetts for climate projections and geographical vulnerabilities, as well as resilient transportation projects that have shifted the narrative from planning to action. This seminar will feature two panel discussions followed by lunch and Secretary Pollack's keynote. The first panel moderated by Luisa Paiewonsky, the director of the Center for Infrastructure Systems and Technology at US DOT/Volpe Center will discuss "Planning for Change through Plans, Policies & Design Standards." The second panel will focus on "Designing & Building Projects that are Resilient to Change" and will be moderated by EEA's Director of Resilience and Adaptation Mia Mansfield.

Please see the Insert at the end of this month's newsletter for further details.

[continued on page 12](#)

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Upcoming Events *(continued from page 11)*

Structural Engineering Feud

Sponsored by the Structural Engineering Institute Boston Chapter

Tuesday, June 25, 2019

Bell in Hand Tavern, Boston

6:00 PM Registration, Refreshments and Networking

7:00 PM Structural Engineering Feud

Come and join us for an evening full of networking and fun. The Structural Engineering Feud will include a Family Feud style contest with the questions based on a structural engineering theme. You can choose to register as a team of five, have us assign you a team, or just come by as a spectator to meet some friends and have a few laughs!

Please see the Insert at the end of this month's newsletter for further details.

YMG Red Sox Game at Fenway Park

Sponsored by the Younger Member Group

Wednesday, July 17, 2019

Fenway Park, Boston, MA

7:10 Game with Social before

Join the Younger Member Group to watch the Boston Red Sox play against the Toronto Blue Jays. Registration fee includes ticket to game and pregame social food (no drinks included). Seats are in the bleachers.

Please see the Insert at the end of this month's newsletter for further details.

Suggest a Seminar Topic

Is there an engineering topic that you would like BSCES to feature in an upcoming seminar? If so, members of the BSCES Program Committee would like to hear from you.

Charged with developing technical training programs that address members' professional development needs, the Program Committee oversees the Society's National Highway Institute training, spring and fall Professional Engineer Refresher Courses and other topical workshops. If you have a technical topic that you would like the Program Committee to consider, send your suggestion to BSCES Program Committee Chair Jeff Lewis at jlewis@garofaloassociates.com or BSCES Association Manager Rich Keenan at rkeenan@engineers.org.

Save the Date!

Tuesday, July 16, 2019

170th BSCES Annual Awards Dinner

Royal Sonesta Boston, Cambridge, MA

Look to future BSCES emails for more information

Mark Your Calendar!

Tues. – Thurs., October 1–3, 2019

**Bridge Inspection Refresher Training—
FHWA-NHI-130053**

AECOM, Boston, MA

Look to future BSCES emails for more information

ASCE Webinars

ASCE WEBINARS

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Are you planning to take an ASCE webinar? Sign up with the code **WEBBOSSEC** and 20% of your registration fee will be donated to the Boston Society of Civil Engineers Section/ASCE.

For a full listing of ASCE Webinars, [click here](#).

The Aldrich Center—where history and technology meet on Beacon Hill...



Two blocks from the State House and overlooking Boston Common, the Aldrich Center is the perfect venue for your next event. This historic building accommodates private functions and business meetings. BSCES members receive a 20% discount off our room rental rates.

Visit www.aldrichcenter.org
for more information.

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YOUR ROLE AND INFLUENCE

We have an exciting opportunity, with excellent growth potential, for a **licensed professional engineer** to serve as an integral part of our team in New Hampshire and Northern New England on a wide range of municipal and private sector projects.

Milone & MacBroom, Inc. offers a full integration of specialty practices in civil/structural engineering, transportation engineering, geotechnical engineering, water resources engineering, community planning, landscape architecture, water and wastewater engineering, environmental assessment and remediation, and construction administration to bring projects from the planning level through construction. In this position, your former experience and accruing expertise will be fundamental to the team and will advance your opportunities for growth and success..

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The **Civil/Municipal Engineer** should possess the following qualifications:

- Bachelor's Degree in civil engineering. Master's Degree preferred.
- Licensed Professional Engineer
- Six to ten years' plus experience in providing engineering services to, or for, NH municipalities, with technical/project experience in general civil engineering, highway design, traffic engineering, or bridge design.
- Experience in managing engineering projects
- Demonstrated working knowledge of AutoCAD Civil 3D, or comparable software. Experience using MicroStation/InRoads is a plus.
- Strong written and verbal communication skills, including ability to produce well-written reports

To learn more about this opportunity, please submit your cover letter and resume to www.miloneandmacbroom.com/careers

Milone & MacBroom, Inc. is an Affirmative Action/Equal Opportunity Employer M/F/D/V.



Visiting Lecturer—Civil Engineering, University of Massachusetts Lowell

The Department of Civil & Environmental Engineering at the University of Massachusetts Lowell (UMass Lowell) invites applications for a Visiting Lecturer position for the 2019–2020 academic year. The Department is seeking an individual with the dedication and commitment to teaching and service necessary to provide a high-quality education to its student body. This is a non-tenured teaching faculty position.

MINIMUM QUALIFICATIONS (REQUIRED):

- Registration as a Professional Engineer and relevant industrial experience
- Undergraduate and Master degrees in Civil Engineering
- The ability to work effectively with diverse groups

[CLICK HERE](#) to learn more or to apply. Review of applications will continue until the position is filled.

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.



BSCES strives to **introduce engineering to kids** in its true form. Through its various **outreach programs**, BSCES emphasizes the creative, hands-on, real life aspects of engineering. BSCES hosts contests and provides mentors to expose kids to the actual world of engineering. These programs are designed to show kids how engineers impact the world every day and how their ideas, even at a young age, have the potential to change the world. **Volunteers** are STEM professionals/college students/educators from all over New England.



Visit the website to learn more about the BSCES Outreach Group:

[www.bsces.org/outreach-advocay/
outreach](http://www.bsces.org/outreach-advocay/outreach)

**Want to
Volunteer?**

Join our Meetup Group!

To learn about our events and sign up to volunteer follow the steps below:

1. Go to Meetup.com
2. Sign up by creating an account.
3. Search for "BSCES" or "Outreach" to join the *New England K-12 STEM Outreach Volunteers group*.
4. Once you have been accepted to the group go to the group page and view upcoming Meetups that you can want to volunteer for.
5. To volunteer click attend to register for an event. The event coordinator will provide additional information at that time.



BSCES

Boston Society of Civil Engineers Section
American Society of Civil Engineers



Model Bridge Competition



RALPH SALVUCCI ONLINE BRIDGE COMPETITION

Contact us:

General Events – Send us a message on meetup to Reed Brockman or Maria Cadena

Future City – Alyson Stuer AStuer@benesch.com

Model Bridge – James Velino James.Velino@aecom.com

Online Bridge – Alex Bonnar alex.bonnar@gmail.com



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TranSystems
Tufts University
VHB
Wentworth Institute of
Technology B.S. and
M. Eng. in Civil
Engineering Programs
Weston & Sampson
WSP

Geo-Institute Social at Slumbrew

Friday, June 7, 2019

15 Ward Street, Somerville, MA 02143

6:00 to 9:00 PM

Come join the Geo-Institute Boston Chapter to end the 2018-2019 fiscal year at our social hosted at Somerville Brewing Company (Slumbrew). Enjoy appetizers and refreshments in a reserved space with colleagues from the geotechnical industry. Registration to this event includes appetizers and a drink token.

This event is open to anyone and everyone who is interested in learning about the Geo-Institute, how to become more involved, or just want to socialize with fellow geo-professionals.

Registration Deadline: Friday, May 31, 2019

\$20 Members

\$25 Non-Members

\$15 Students and Public Sector

Information/Registration:

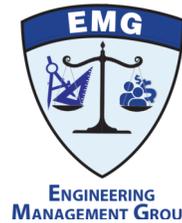
Register to attend this meeting and pay by credit card online [here](#). To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after May 31, 2019 and no-shows will be billed.



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Engineering Programs
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WSP

2019 Joseph C. Lawler Lecture: New Berth 10 at Conley Container Terminal Massachusetts Port Authority – Department of Capital Programs and Environmental Affairs CP&EA

Nhuy Hoang, P.E., Program Manager, Maritime
Chet Myers, P.E., CCM, Senior Waterfront Project Manager

Tuesday, June 11, 2019

**The Fairmont Copley Plaza, Venetian Room,
138 Saint James Avenue, Boston, MA 02116
6:00 PM Social/Registration; 6:45 PM Meal; Presentation to Follow**

The Massachusetts Port Authority’s (Massport) Department of Capital Programs and Environmental Affairs (CP&EA) programs and implements Massport’s infrastructure and capital improvements. Among their wide-ranging responsibilities, CP&EA provides project and contract management, and technical expertise in engineering and architectural design and construction.

Ms. Hoang and Mr. Myers’s presentation will provide an overview of the Authority’s Conley Terminal Modernization Program, and an in-depth look at the new Berth 10 construction project at Conley Container Terminal, a \$215 million project designed to modernize the Port of Boston’s container handling facilities to meet the needs of 21st century and beyond. The project involves siting a new 1,275 foot long pile-supported berth, procuring three new low-profile Ship-to-Shore cranes, underwater rock blasting, and dredging a new berth for Post-Panamax sized container vessels.

Registration Deadline: Tuesday, June 4, 2019

**Registration Fees: \$110 Members, \$140 Non-Members
\$95 Public Sector Members, \$110 Public Sector Non-Members
\$40 Senior Members (65+), Students
\$1,100 Table of 10**

Information/Registration:

Register to attend this meeting and pay by credit card online <http://bit.ly/BSCESLawler2019>. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after June 4, 2019 and no-shows will be billed.



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Wentworth Institute of
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M. Eng. in Civil
Engineering Programs
Weston & Sampson
WSP

2019 Bertram Berger Seminar

Leadership in the Storm

Combating Climate Change in the Bay State

Keynote Speaker:

Stephanie Pollack

*Secretary and Chief Executive Officer, Massachusetts Department of
Transportation*

Wednesday, June 12, 2019

University of Massachusetts Club, 32nd Floor, 1 Beacon St, Boston, MA 02108

8:30am Registration; 9:00am Panel Discussions & Social

12:00pm Luncheon, Bertram Berger Tribute, Keynote Address, and Awards

Panel 1: Planning for Change through Plans, Policies & Design Standards (9:00 AM – 10:15 AM)

Moderator: Luisa Paiewonsky, Director, Center for Infrastructure Systems and Technology, U.S. DOT/Volpe Center

Panel: Jill Valdes Horwood – Director of Waterfront Policy, Boston Harbor Now
Richard A. Dimino – President & CEO, A Better City
Katie Choe – Chief Engineer/Director of Construction Management at City of Boston Public Works

Panel 2: Designing & Building Projects that are Resilient to Change (10:45 AM – 12:00 PM)

Moderator: Mia Mansfield, Director of Resilience and Adaptation at EEA

Panel: Jeffrey Parenti – Deputy Chief Engineer, Department of Conservation & Recreation (DCR)
Erik Stoothoff – Chief Engineer, Massachusetts Bay Transportation Authority (MBTA)
Peter Debruin – Climate Mitigation & Resiliency Manager, Massachusetts Port Authority
Steve Miller – Supervisor, Massachusetts Department of Transportation

Registration Deadline: Monday, June 3, 2019

\$110 Member, \$140 Non-Member

\$95 Public Sector Members, \$110 Public Sector Non-Members

\$85 Senior Members (65+), \$40 Students

\$550 Table of 5, \$1,100 Table of 10

\$475 Public Sector Table of 5, \$950 Public Sector Table of 10

Information/Registration:

Register to attend this meeting and pay by credit card [online here](#). To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after Monday, June 3, 2019 and no-shows will be billed.



This presentation provides 6 Professional Development Hours (PDH)
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HNTB
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Howard Stein Hudson
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Associates
Jacobs
Kleinfelder
McMillen Jacobs
Associates
Nitsch Engineering
Department of Civil
and Environmental
Engineering,
Northeastern University
Patrick Engineering Inc.
Perry Associates
PMA Consultants
Skanska
Stantec
Subsurface Constructors
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Wentworth Institute of
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Weston & Sampson
WSP

Structural Engineering Feud

Based on Family Feud TV Show; but with Structural Engineers

Hosted by Not Roger Dawson or Steve Harvey

But, our very own Brian Brenner, P.E.

Principal Engineer, Tighe & Bond

Tuesday, June 25, 2019

Bell in Hand Tavern, 45 Union Street, Boston, MA

6:00 PM Registration, Refreshments and Networking

7:00 PM Structural Engineering Feud

Come and join us for an evening full of networking and fun. The Structural Engineering Feud will include a Family Feud style contest with questions based on a structural engineering theme. You can choose to register as a team of five, have us assign you a team, or just come by as a spectator to meet some friends and have a few laughs! Please indicate your choice during registration, and email cjkline@gmail.com with your full name and team name. Winning teams will receive prizes!

Appetizers will be served. Cash Bar.

Registration Deadline: Friday, June 7, 2019

**Single Participant Rate: \$25 Members, \$30 Non-Members, \$20 Public Sector Members
\$25 Public Sector Non-Members, \$10 Student Members and Senior Members (65+)**

**Team Rate: \$125 Members, \$150 Non-Members, \$100 Public Sector Members
\$125 Public Sector Non-Members, \$50 Student Members and Senior Members (65+)**

Information/Registration:

Register to attend this meeting and pay by credit card online at <http://bit.ly/SEIBostonFeud>. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after Registration Deadline June 7, 2019 and no-shows will be billed.



Please join us!

YMGB Red Sox Game at Fenway Park

Wednesday July 17th

Wednesday, July 17th

vs. Toronto Blue Jays

7:10 p.m.

Seats are in Bleachers

Register here: <http://bit.ly/YMGBRedSox2019>

PRICING:

Students - \$40/ticket

Members - \$45/ticket

Non-members - \$50/ticket

Registration fee includes ticket to game and pregame social food (no drinks included).

To Register:

Register online by following the respective link above. Contact 617-227-5551 if you have difficulties registering online. Tickets will be handed out at pregame social. Details for a pregame social will be emailed to the group two weeks prior to the game. Food will be included at the social. Here's to a great 2019 season!

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