



Granite Columns



President's Letter



Dear Members, Colleagues and Sponsors,

The year is almost coming to an end, and I hope it has been rewarding and successful for all of you. There is certainly no shortage of projects, however, the shortage of help has likely been challenging as we continue to be short handed by the disruption that Covid19 pandemic continues to have to our businesses. Supply chain issues continue to complicate the construction industry, project costs and schedules. We cannot control any of these issues but what we can control is the services we provide by adapting to these challenging times and delivering the best projects to our clients.

In late September we successfully launched the new website and we have received positive feedback from our membership. This has been nearly a year long project that the Board of Directors undertook in late 2021. I personally like the new website for its simplistic look and easy to find information. In September we had 52 unique visitors, October it increased to 1,024 and as of mid-November we are at 678 unique visitors for the month of November. These are great numbers that show our website is frequently used by unique users. If you have not yet created an account, I encourage you to do so soon. The majority of our members have already created an account and can easily sign up for webinars and meetings. Once you create your account, please review your preferences and profile and how much information you want to share with the outside users and areas of your expertise that should be listed on the directory. Please contact me directly if you have any comments or suggestions how to improve any of the pages. We have a lot of flexibility on modifying each page content with a click of a button and a lot of committees have been trained to create meetings and send announcements. I love the fact that it is not a single person that is contributing to the website maintenance, and we have quite a few volunteers that contribute. I also encourage you to send me any project photos that we can showcase on the main page of the website. We would like to circulate these photos every 6 months or so.

NCSEA Summit this year was held in Chicago on November 1 through 4, 2022. Robert Durfee, Tom Lamb, and Kayla Hampe represented SENH and will update us on their takeaways from this Summit.

On October 28, 2022, Tom Lamb and I met with representatives of NH Home Builders Association and NH Retail Lumber Association to discuss an issue related to the differences between Spruce-Pine-Fir South (SPFs) (US) and Spruce-Pine-Fir (SPF) (Canada) wood species combinations. These professional organizations were looking to potentially introduce legislative solutions to address their concerns. At the conclusion of our meeting the general consensus was to not do this, but rather educate practicing engineers, designers and builders on the availability of certain products and effects these have on local mills and distributors. These two wood species combinations are not the same product and have differences that cannot be considered insignificant. The preference among attendees at the meeting would be to specify SPFs for majority of the projects in order to keep using local timber supplied by local mills within the US. If a designer cannot use SPFs then the next step is to specify the northern species of SPF combination. Also, it is not preferred to specify both these two wood species combinations for the same lumber size within the same project as it will likely cause confusion during construction. There will be more to come on this topic, and I suggest that we all do our part to continue using local species as much as we can and are clear with our lumber specifications.

Our next meeting is scheduled for November 29th and we are excited to have Charlie Russo of Simpson Gumpertz & Heger Inc. to discuss Structural Forensic Investigation at a Powdered Activated Carbon Manufacturing Facility. We hope to see a great attendance as we have had in the past pre-Covid. I encourage you to sign up and attend this meeting in-person. There will also be a few fun door prizes for attendees.

If you would like to participate on any of our committees, please feel free to reach out to me directly at (603) 460-5147 or President@senh.org. Have a great Thanksgiving and Holiday season! Thank you and see you at the November meeting!

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Special Points of Interest/ Reminders:

- *November Meeting Announcement and details inside!*
- *See page 2 for information to submit for the 2023 Excellence in Structural Engineering Awards!*

Code Advisory Committee

submitted by Dan Martel, P.E.

The grace period for using the 2015 Building Codes ends on 12/31. Starting on January 1, all building permit applications must include buildings designed to the 2018 Codes. The same legislation that adopted the 2018 Codes included a provision that all local amendments are not enforceable until they are reviewed by the BCRB. The State Building Code, including adopted local amendments, can be found here:

<https://www.nh.gov/safety/boardsandcommissions/bldgcode/nhstatebldgcode.html>

The Building Code Review Board reports that discussion of adopting the 2021 Codes has been pushed to the 2024 legislative session.

Professional Development Committee

submitted by Kayla Hampe, P.E.

Overview

In planning our bi-monthly meetings, the Professional Development Committee (PDC) focuses on the number one reason that attracts participants — the education program. The SENH members will be allowed again to present a project at the upcoming annual March meeting. Alternatively, members will be allowed to present on volunteer or extracurricular topics related to structural engineering; topics could include mission trips, disaster relief efforts, student outreach, etc. Individuals who are interested in presenting and sharing their knowledge and experience with the structural engineering profession are encouraged to **submit a proposal by Friday, January 27, 2023.**

Instructions for Submitting

Please submit the following information for the presentation you wish to be considered:

- Short speaker bios
- Presentation title
- A 200 word or less description of the presentation
- Photographs, if available

Presentations Program Format

Presenters should plan to conduct 15 minutes of presentation followed by 5 minutes of Q&A (total time of 20 minutes), with no more than **two** presenters. Every effort shall be made to make the presentations educational without presenting any marketing material.

Submission Evaluation and Selection

The PDC will review, evaluate, and select submissions using the following criteria:

- Relevance to the profession of structural engineering
- Timeliness of the topic
- Subject matter appeal
- Speaker qualifications

Note: PDC will keep records of all presentations and presenters and will make every effort to not select the same member firm without first giving the opportunity to other member firms.

Please send submissions and questions to the PDC Co-Chairs:

Kayla Hampe (khampe@hoyletanner.com)

Katelyn Welch (kwelch@hoyletanner.com)

SENH Awards Committee

submitted by Robert Durfee, P.E., Chair

Chair: Robert Durfee, P.E

Member: .Josif Bicja, PE

Member: Robert Champagne, P.E.

Member: Fred Emanuel, P.E.

This committee has continued to develop and revised/update the protocol and procedures for the seventh (2023) annual SENH Excellence in Structural Engineering Awards Program. This program identifies and recognizes outstanding structural engineering projects specifically designed by our Members and/or constructed in our State. The Committee has issued the Call for Entries, which is included in this newsletter. Deadline for project submissions is March 3, 2023. Award winners will be announced during the Awards Ceremony to be held during the May 2023 meeting. Detailed information on the Awards Program, entry requirements, etc. is posted on the SENH website. Go to: [Awards/ Excellence in Structural Engineering Forms](#). The SENH Board may consider and select one award winning project from the SENH Awards program in May, to sponsor project submission to the NCSEA Excellence in Structural Engineering Awards Program. If the board decides to advance a project to NCSEA, SENH will pay the project entry fee. See details on the SENH website.

Public Relations Committee

submitted by Sean Brown, P.E., Chair

The SENH Public Relations Committee is proud to announce that two scholarships, in the amount of \$1000.00 each, will be offered to resident or non-resident UNH students and New Hampshire residents studying structural engineering at an ABET-accredited institution outside of New Hampshire. The deadline to apply for these scholarships is **Friday January 13th**. To download the application, or for more details on the scholarship please visit the SENH's website: [https://senh.org/SENH Scholarships](https://senh.org/SENH_Scholarships)

We encourage SENH members to solicit applicants from their alma maters at regional out-of-state engineering schools. We are hoping this year to receive applications from UNH and from one or more of the following regional schools:

- University of Massachusetts
- Massachusetts Institute of Technology
- University of Vermont
- Norwich University
- Clarkson University

Please reach out to Sean Brown, P.E. at seanbrown@hardestyhanover.com or Robert Durfee, P.E. at rdurfee@dubois-king.com if you would like to represent your alma mater and assist in soliciting applicants from the schools listed herein.

Structural Engineering (SE) Licensure Committee

submitted by Kayla Hampe, P.E., Chair

Chair: Kayla Hampe, PE

Assistant Chair: Eric Caron

Thank you to everyone who completed the survey regarding SE licensure! Our August meeting was focused on developing survey questions for our members, and we are in the process of reviewing the responses now. At our next meeting, we will discuss the responses and the next steps for our committee.

As a reminder, the SE Licensure Committee goals are to:

- investigate the current licensure process used by the NH PE Board;
- investigate the current SE licensure processes used by other states;
- research the need/desire for NH to adopt new rules for specialty licensure of structural engineers;
- make a recommendation to the SENH Board of Directors and advise the NH PE Board with findings as needed.

NCSEA Structural Summit—New York, NY

submitted by Robert Durfee, P.E.

SENH Delegate: Bob Durfee

SENH Alternate Delegate: Tom Lamb

The 2022 Summit was held on Tuesday, November 1st to Friday, November 4th, 2022, at the Hilton Downtown Hotel in Chicago, Illinois. Delegate Bob Durfee and Alternate Delegate Tom Lamb representing SENH attended the Summit. Kayla Hampe attended the Summit on an NCSEA Scholarship. Bob and Kayla also attended the NCSEA Communications Committee meeting on Tuesday as members of this Committee. Tom also attended the NECSAE Committee meeting on Wednesday as Chairman of this Committee and representative of SENH. Bob and Tom will make a full report of their attendance and representations at the Summit to the SENH Board and post their report on the SENH website. The 2023 Summit is scheduled for Tuesday, November 7th to Friday, November 10th at Disneyland Resort in Anaheim, CA.

SENH Meeting Announcement

NEXT MEETING: Tuesday, November 29, 2022

PRESENTATION: **Structural Forensic Investigation at a Powered Activated Carbon Manufacturing Facility.** A first-of-its-scale powdered activated carbon manufacturing facility abruptly shut down during its commissioning phase upon discovering a multitude of structural problems in a 200-ft long, large-diameter stainless steel exhaust duct. Structural problems included the rupture of full-penetration welds, failure of welded support connections, local buckling of duct sections, and permanent deformations. This session will present the forensic investigation of the performance of the exhaust duct.

SPEAKER: **Charlie Russo** is a Senior Principal in the Structural Engineering group at Simpson Gumpertz & Heger Inc., is a broadly experienced consultant in the design, investigation, and rehabilitation of structures. Charlie specializes in investigations and remedial techniques for concrete, steel, timber, and masonry structures. He obtained his Bachelor of Science in Civil Engineering from the University of New Hampshire and his Master of Science in Structural Engineering from Tufts University.

PLACE: Grill 28 Restaurant (Pease Golf Course)
200 Grafton Road
Portsmouth, NH 03801

AGENDA: 5:30 pm – 6:30 pm Registration/ Social Hour
6:30 pm–7:15 pm Dinner
7:15 pm–7:30 pm Business Meeting
7:30 pm–8:30 pm Presentation

DINNER: Buffet with choice of signature steak tips and baked haddock. Served with wild rice, a warm seasonal vegetable, mixed green salad, and freshly baked dinner rolls. Dessert choices are mini peanut butter mousse cookie cups and blueberry crumble. If you have any food allergies or dietary restrictions to be accommodated, please email Kayla at khampe@hoyletanner.com.

COST: Member: \$65.00
Non-Members: \$75.00

“No-shows” will be billed at full amount. Refunds will not be issued.

RSVP: By Tuesday, November 29, 2022. There will be a \$5.00 late fee for anyone wishing to RSVP past November 23, 2022.

NOTE: 2.0 PDHs have been assigned for attendance. Attendees are responsible for ensuring their check-in on the attendance list upon arrival at the meeting.

Summary of the ASCE-NH/ SENH Joint Meeting

The September 2022 ASCE-NH / SENH Joint Meeting occurred in person at the Derryfield Country Club on September 29th in Manchester. The attending engineers and interested individuals were excited to finally be back in person. Social hour allowed attendees to converse with their peers from different companies and disciplines. The group enjoyed great drinks and delicious food prepared by the Derryfield. The event was another excellent opportunity for Members of the Sections (and Non-Members) to socialize, receive PDHs, and engage in the interesting topic.

Representatives from both ASCE and SENH introduced Brian Nereson, P.E. from Geopier. Mr. Nereson is the New England Regional Engineer and is responsible for client support, engineering, and project development. He is a proud graduate of UNH and has been with Geopier for 15 years as a geotechnical consultant. The presentation was in regard to deep foundations and an alternative provided by Geopier.

During the discussion, Mr. Nereson explained how ground improvement in the form of Rammed Aggregate Piers and Rigid Inclusions have been used to eliminate the need for costly over-excavation and replacement or pile foundations for challenging subsurface conditions. Geotechnical conditions can vary widely which include urban fills, buried organics, weak sands, soft clays, and shallow groundwater. These constraints present challenges for reliable support of civil engineering structures.

We want to thank Brian Nereson for taking the time to present on this topic Thursday night. There was obvious interest surrounding the presentation as the Q&A portion of the conversation was extensive. Attendees will receive 1-PDH for the conference. We look forward to more in-person conferences! Continue to look for more PDH opportunities as Webinar's and in-person conferences will be announced throughout the year.

ASCE-NH / SENH Joint Annual Meeting Attendees

Date: September 29, 2022

Topic: Ground Improvement - An Effective Alternative to Deep Foundations

Speakers: Brian Nereson (Geopier)

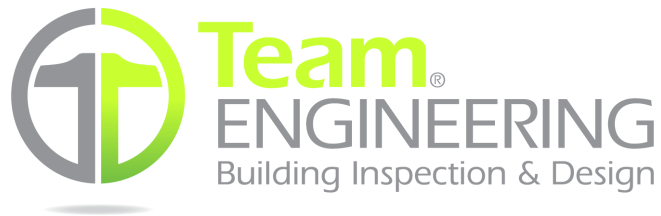
Location: Derryfield Country Club, Manchester, NH

2 PDH Awarded

First Name:	Last Name:
Anabelle	Audet
Cameron	Bellisle
Jeffrey	Benway
Josif	Bicja
Jim	Bouchard
Jay	Brown
Sean	Brown
John	Byatt
Eric	Caron
Robert	Champagne
Brenton	Cole
Dave	Cole
Marisa	DiBiaso
William	Doucet
Robert	Durfee
Fred	Emanuel
Michael	Eno
Owen	Friend-Gray
Derek	Gilbert
Anna	Giraldi
Nicholas	Golon

First Name:	Last Name:
Kayla	Hampe
Neil	Helberg
Karen	Henry
JJ	Hollstein
Liam	Kalloch
Tom	Kilrain
Stephen	Kiss
Preston	Klss
Aaron	Lachance
Thomas	Lamb
Dan	Martel
Brian	Nereson
Tim	Polson
Jacob	Pouliot
Nicole	Provencher
Tucker	Raney
Thomas	Sachs
Ed	Weingartner
Katelyn	Welch
Dustin	Wells

Employment Opportunities



Team Engineering seeks a driven, enthusiastic building engineer with 5+ years experience to join our growing, fast-moving organization. We design and analyze buildings (and other structures) of all shapes and sizes and structural engineering is the core of our business. The perfect Senior Structural Engineer candidate has strong structural engineering production experience and is ready to leap into a leadership role, or is an established senior engineer with successful project management experience.

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- Is excited by our core projects – low-rise commercial, industrial, and high-end residential buildings analyzed and designed in wood, steel, concrete, CMU, and cold-formed steel. We are building renovation experts!

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