



# Granite Columns



## President's Letter



I am grateful that I was able to attend this year's NCSEA Summit as an Alternate Delegate for SENH. The event had over 800 people in attendance from across the U.S. Attendees included a large contingency of young engineers, including SENH Member Kayla Hampe. Kayla was fortunate enough to be awarded a Young Member Scholarship to attend the event. She was able to connect with a number of young engineers from the northeast states and has great plans with them for joint events. I am truly excited to see the beginnings of this collaboration from our young engineers. Our future is bright.

I was also excited to attend the Excellence in Structural Engineering Awards at the summit. As many may know from reading in the most recent edition of Structure Magazine, one NH firm and one NH project was an award winner. Kudos to Summit Engineering for their award-winning design of the Spiral Stair at Northeastern University. Also, congratulations to the NH Department of Transportation, Hardesty & Hanover and Figg Engineering on their work on the award-winning Sarah Long Bridge in Portsmouth, NH.

I took away a great deal of information from the Summit. The most important being NCSEA's commitment to support all 44 Member organizations. I hope to use this resource to assist in implementing our Strategic Plan for SENH. Our immediate focus will be on engaging our members, supporting continuing education and improving our efforts for public outreach. The Board needs your feedback to advance toward our goals. We will be sending out a brief survey in the near future and hope to get your input. I am also requesting you contact me at [President@SENH.org](mailto:President@SENH.org) to tell the Board and myself what SENH can do for you. Let us know what you think works well and what needs improvement. If you haven't attended a meeting in a while, let us know why and what we can do to help get you back in attendance. We are looking for everyone's input and need your help. SENH is a robust group of engineers, and we can accomplish great things with everyone's collaboration.

I look forward to receiving your feedback or suggestions and hope to see many of you at the upcoming meetings.

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### Special Points of Interest/ Reminders:

- *Mark your calendars! The next meeting is scheduled for January 16th—See inside for details!*
- *Call for Entries for the 2020 Excellence in Structural Engineering Program are in this newsletter edition!*
- *Dues Renewals are due January 31st!*

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# Committee Updates

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## 2019 NCSEA Structural Summit—Disneyland Anaheim, CA

*submitted by Robert Durfee, P.E.*

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SENH Delegate & Committee Member: Bob Durfee, SENH Alternate Delegate: Tom Lamb, Committee Member: Alex Azodi, Committee Member: Jeff Karam, Committee Member: Peter Greim, Young Member Scholarship: Kayla Hampe



*Bob with fellow Delegates at the Summit*

The 2019 Annual Structural Summit was held on Tuesday, November 12<sup>th</sup> to Friday, November 15<sup>th</sup>, 2019 at the Disneyland Hotel and Conference Center in Anaheim, California. Delegate Bob Durfee and Alternate Delegate Tom Lamb represented SENH and attended the Summit.

Bob also attended his Communication Committee meeting on Tuesday. Alex and Peter are also on NCSEA committees and attended the Summit and their committee meetings on Tuesday.

Kayla attended the Summit and participated in Young Member Group activities. Kayla was awarded an NCSEA Young Member Scholarship to attend the Engineering Summit this year and represented SENH as a Young Member. Kayla is the first candidate from SENH to be awarded this annual scholarship. See Kayla's report included in this newsletter.

Tom Attended the NECSEA (Northeast Collation) annual meeting that was held at the Summit on Wednesday evening. Tom's report on the NECSEA meeting is included in this newsletter.

Bob, Tom and Kayla participated in the SENH Board meeting on December 5<sup>th</sup>, and provided the Board with a summary of Summit activities and brought back information useful to SENH from the Summit.

Delegates Bob and Tom, and Young Member Kayla, will be preparing a full Conference (Summit) Report that will be posted on the SENH website in January.

## NECSEA Committee

*submitted by Robert Durfee, P.E.*

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SENH Representatives: Jeff Karam & Tom Lamb

Tom attended this meeting, representing SENH. The Northeast Coalition holds their annual meeting each year at the NCSEA Summit. This year the meeting was on Wednesday evening after the conference sessions for the day ended. Among the items discussed were a continued interest in pursuing SE licensure in the Northeast, structural engineer's emergency response groups, additional member organizations planning awards programs and further organization group and collaboration. The group is now comprised of New England, New York, Pennsylvania and Washington D.C. member organizations.

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# Committee Updates

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## A Young Member's Perspective of NCSEA Structural Engineering Summit *submitted by Kayla Hampe, P.E.—Young Member Scholarship Recipient*

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This past November, I attended the NCSEA Structural Engineering Summit at the Disneyland Hotel and Conference Center in Anaheim, CA. I was able to go because I was awarded a Young Member Scholarship, one of fifteen scholarships awarded this year! The scholarship covered my registration fee and provided a \$1,000 travel stipend. All I had to do was write a two-page essay answering one of three entry questions.

At the Summit, I met a variety of people from around the country including other Young Members, senior mentors, vendors for different products and software (including a woman who went to Oyster River High School in Durham, NH and whose parents live right here in Newmarket, NH like me!), and, of course, Disney characters. I connected with multiple Young Members from the Massachusetts Young Member Group (YMG) and we hope to hold a joint event so our members can expand our networks. The Young Members from around the country I met shared their YMG experiences and events that provided me with ideas to bring back to our YMG.



*Fellow Colleagues at the Summit*

There was an assortment of keynote presentations and educational topics that were well done, and I was able to walk away with something from each one, even if they weren't directly related to what I work on every day. Presentations ranged from *A Perspective on the Future of Consulting Engineers* to *Limitation of Liability Clauses in Engineering Contracts* to *Talk Nerdy to Me: Science Not Communicated is Science Not Done* about presentation skills. There was an abundance of presentations to choose from during each session and even as a Young Member, there was always something for me; they even had a Young Engineer Track series on Thursday afternoon specially geared towards members 35 and younger.



*Delegate Social at the Summit*

And there were plenty of social events to establish and grow relationships with new members as well as cultivate those with members you already know. These events also allowed us to celebrate other engineers and everything we do!

I participated in the SENH Board Meeting on December 5<sup>th</sup> with our two Summit Delegates. We provided a lot of information to the Board that we brought back from the Summit.

I highly recommend other SENH Young Members consider applying for a scholarship to attend. The scholarship makes an amazing educational, social, and fun engineering event affordable and you'll make lasting memories and connections. If

you want to know more about my experience, please don't hesitate to ask!

## NCSEA Benefits for Individual Members of State SEAs

As a member of your **state-level SEA**, the following NCSEA benefits are available:

- A subscription to *STRUCTURE* magazine, the leading monthly magazine for structural engineering, both print and electronic versions.
- A subscription to *Structural Connection*, NCSEA's monthly member e-newsletter with information on NCSEA and SEA activities and events.
- An opportunity to secure a yearly subscription to unlimited live (20+ per year) and recorded webinars (from a library of 180+) available online, on-demand, 24/7/365. All NCSEA webinars are Diamond Reviewed for CE credit in 50 states.
- An opportunity to join NCSEA Committees including: Advocacy, Basic Education, Code Advisory, Communications, Continuing Education, Publications, SEER, Structural Engineering Summit, Structural Licensure and Young Member Support Group.
- Access to NCSEA web-based communities, including those on LinkedIn and Basecamp.
- Access to scholarships to the NCSEA Structural Engineering Summit for young members.
- Access to the NCSEA member portal that provides:
  - Committee documents & resources.
  - Tools for your SEA such as an MO Speaker List, the MO Toolbox and the MO Summary Report
  - Young member resources, including the NCSEA Young Member Start-Up & Resource Guide.
  - Resources for engineers, including white papers and resources like the Essential Book list for a Structural Engineer's Library.
  - Emergency response information, including the SEER Manual and Responder Matrix.
  - Online access to your PDH hours earned through NCSEA live and recorded webinars.
- Discounts for webinars, the NCSEA SE Exam Review Course, the Structural Engineering Summit and various NCSEA and ICC publications.

### **In addition, your SEA directly receives additional benefits from NCSEA:**

- One recorded online webinar each year for free.
- Access to the Grant Program to help secure funding for Member Organization projects, programs and advancement.
- Telephone, face-to-face and web-based support to help your SEA run an effective volunteer-driven organization.
- Connection between your state SEA committees and national NCSEA Committees.
- Access to monthly MO Communication webinars to support your SEA operations.
- Recommended speakers list for your education programming.
- Exposure for your news and events through NCSEA's E-Newsletter and website.

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# Committee Updates

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## Young Members Group *submitted by Nevin Gomez, P.E.—Chairman*

The YMG is organizing a ski meetup with SEAMASS and potentially NY and VT young members. We plan on hosting the event in February. Mountain suggestions would be appreciated as I do not ski myself. Please let the SENH YMG know if you are interested in attending.

This will be a great event for young members to socialize and network.

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## UNH Panel Discussion *submitted by Timothy Polson, P.E.*

SENH hosted a Panel Discussion at UNH on October 29<sup>th</sup>. The event was open to undergraduate and graduate engineering students to engage with practicing structural engineers to ask questions about the industry. Panelists included: **Kayla Hampe, PE; Bob Durfee, PE; Lily Beyer, PE; Tom Lamb, PE; and Nevin Gomez, PE.** **Tim Polson, PE** emceed the event and lead the discussion through frequently asked questions and “lessons learned”. Students were engaged and asked thoughtful questions throughout the 2+ hour discussion.

### PANEL DISCUSSION WITH ENGINEERING PROFESSIONALS

**WHEN: Tuesday, Oct. 29, 2019**

**6:00 PM to 8:00 PM**

**WHERE: DeMeritt Hall Room 112**

Join the Structural Engineers of New Hampshire for a discussion about the engineering industry. Panel Members are practicing structural engineers of varying experience levels, with representation from both bridges and buildings. Panelist will answer frequently asked questions about the industry, share personal experiences and “lessons learned.” Panelists will also open the discussion to answer questions from participants.

**EVENT IS OPEN TO ALL  
ENGINEERING STUDENTS**

**PIZZA AND DRINKS WILL BE**

**PROVIDED!**



Tim Polson, P.E.  
Senior Structural Engineer  
WSP USA



Kayla Hampe, P.E.  
Structural Engineer  
Koyla, Tanner & Associates, Inc.



Robert Durfee, P.E.,  
SECB  
Chief Bridge Engineer  
Dubois & King, Inc.



Lily Beyer, P.E.  
Structural Engineer  
Summit Engineering



Thomas Lamb, P.E.  
Senior Structural Engineer  
TFMoran, Inc.



Nevin Gomez, P.E.  
Structural Engineer  
WSP USA

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## Volunteer Opportunity *submitted by Josif Bicja, P.E.*

Manchester Central High School will be hosting a Career Day on April 21, 2020. There will be two sessions for business partners, 8:30 am - 11:30 am and 11:15 am - 2:15 pm (partners can attend either session or both). This is an exciting opportunity for students and business partners in the community as this day is dedicated to helping educate students on the many unique workforce opportunities available in New Hampshire. Please consider participating in this event by inspiring the next generation of structural engineers. Several SENH board members have already signed up but there are still open spaces for you to participate.

See flyer on the next page for more info.

# CAREER DAY

MANCHESTER  
CENTRAL HIGH  
SCHOOL

**APRIL 21st**

**Sessions from:**  
**\*8:30am-11:30am**  
**\*11:15am-2:15pm**

Seeking business partners  
to educate our students  
about career opportunities  
and pathways needed to  
achieve their future goals

**FOR MORE INFO:**

<https://central.mansd.org/our-school/guidance/announcements/career-day>

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# Committee Updates

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## Public Relation Committee/ UNH Scholarship Sub-committee *submitted by Robert Durfee, P.E.*

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Subcommittee Chair: Matt Low  
Member: Bob Durfee  
Member: Sean Brown

The SENH Scholarship Sub-Committee will be raffling off two (2) pairs of lift tickets for the Winter 2019-2020 season at Gunstock Mountain Resort in Gilford, NH. Gunstock has generously donated these tickets to the SENH Scholarship Program. Raffle will occur during the January 16, 2020 meeting in Concord. You have to be present to enter the raffle and win!!

These are adult tickets, good for all day, and any day (no blackout dates) during the Winter 2019-2020 season at Gunstock Mountain Resort.

You don't have to be a skier to want to enter the raffle. Tickets are redeemable/exchangeable for any other venue at Gunstock for the 2019-2020 winter season, including:

- Night Skiing
- Cross country skiing or Snow Shoe
- Fat tire bike rentals on snow trails
- Cross country Skijoring
- Downhill Tubing (day or night)
- Mountain Coaster
- Mountain Zip Tour



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## UNH Civil & Environmental Alumni Conference Announcement *submitted by Matt Low, P.E.*

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The 2020 UNH Civil & Environmental Engineering  
Alumni Conference  
Thursday, April 2, 2020



For more information and to register,  
<https://ceps.unh.edu/cee>

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## Excellence in Structural Engineering Awards Committee

*submitted by Robert Durfee, P.E.*

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Chair: Bob Durfee  
Co-Chair: Bob Champaign  
Member: Fred Emanuel  
Member: Josif Bicja

This committee has continued to develop and revised/update the protocol and procedures for the fourth (2020) 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 6, 2020. Award winners will be announced during the Awards Ceremony to be held during the May 2020 meeting.

Detailed information on the Awards Program, entry requirements, etc. is posted on the SENH website. Go to: Members/Excellence in Structural Engineering.

**New for 2020:** 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, SENNH will pay the project entry fee. See details on the SENH website.

**Enter one or more projects in the awards Program and be recognized for your outstanding Structural Engineering Achievements!!!!**



## 2020 SENH EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

### CALL FOR ENTRIES

Structural Engineers of New Hampshire (SENH) announces the Call for Entries for the 2020 SENH Excellence in Structural Engineering Awards Program. The purpose of the program is to recognize creative achievement and innovation in structural engineering by SENH Members.

#### ELIGIBILITY

Entry must be submitted by a licensed Professional Engineer (P.E.) and Member of SENH whose practice or activity is primarily in the field of structural engineering. Projects must have majority of the structural design performed by SENH Members (50%). Project entry must have been completed, constructed and achieved substantial completion after December 31, 2017.

The submittals will be judged based on the quality of the structural “design” portion of the project. Within the context of this awards program, “design” refers to the overall concept of any structure or structural system within a project. New projects, renovation and rehabilitation projects are eligible. Projects may be located anywhere in the world, with judging preference to projects constructed in New Hampshire.

#### CATEGORIES OF AWARDS

Awards will be presented in four project categories:

- Buildings: Commercial, industrial, institutional, public, or residential building.
- Bridge and Transportation Structures: Vehicle, Railroad, or Pedestrian Bridge. Other transportation Structures.
- Special Structures: Towers, dams, parking garages, marine structures, signs, specialty structures, unique structures.
- A Small firm Project Award may also be presented for an eligible project at the discretion of the Jury.

One entry in each category will be chosen to receive the SENH Excellence in Structural Engineering Award. Non-winning projects from last year’s program may be re-submitted (one time resubmittal only), if all eligibility requirements are met.

#### JURY OF AWARDS

The selection of award recipients will be made by a distinguished Jury of Awards. There will be a minimum of three jurors. All jurors shall be structural engineers licensed as P.E.’s and Members of SENH. Jurors will have no connection or conflict of interest to projects submitted.

#### SUBMISSION OF ENTRIES

Visit the SENH website (<https://www.senh.org/excellence>) for program information, entry form, entry requirements, project eligibility requirements, and other criteria.

#### DEADLINE FOR ENTRIES

All entries must be either emailed (limit file size to 20 MB), or mailed to the SENH office by 6:00 p.m. EST on Friday, March 6, 2020 to:

Email: [admin@senh.org](mailto:admin@senh.org)

Mail: SENH  
PO Box 226  
Manchester, NH 03105-0226

#### PRESENTATION OF AWARDS

The awards winners will be announced and the awards will be presented at a ceremony during the SENH May 2020 meeting. A Design Firm representative must be present at the ceremony in order to win and accept the award. Winners will be featured in the following issue of the SENH newsletter and be posted on the website.

(rev. 12/23/2019)



## 2020 SENH EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

### ENTRY REQUIREMENTS

Project entries must meet the following eligibility requirements:

- Designed by a SENH member firm with the majority of the structural design performed by SENH members/associate member (50% minimum).
- Applicant must be an SENH member and NH registered Professional Engineer (P.E.) with practice primarily in the field of structural engineering.
- Projects may be constructed anywhere in the world, however, preference in judging will be given to projects constructed in New Hampshire.
- Eligible projects must be substantially complete between December 31, 2017 and March 1, 2020.
- Non-winning submittals from previous year awards program may be resubmitted (one-time resubmittal only) assuming all project eligibility requirements are still met.
- SENH member firms may submit in any or all categories (Buildings, Bridges and Transportation Structures or Special Structures). Limited to one project submission per category.
- On-time submittal of project entry form required and fee. Late submissions will not be accepted.
- Small Firm eligibility criteria: Firm with Ten (10) or less full-time employees, all disciplines, firm wide.

Submit each project in one of three categories:

- Buildings: Commercial, industrial, institutional, public, or residential building.
- Bridge and Transportation Structures: Vehicle, Railroad or Pedestrian Bridge. Other transportation Structures.
- Special Structures: Towers, dams, parking garages, marine structures, signs, specialty structures, unique structures.

Project entries must include the following material:

- Completed SENH entry form with the \$50 entry fee. Make check payable to SENH.
- A description of the entry outlining the significant aspects of the entry and their relationship to the relevant judging criteria (800 words maximum, provide an electronic pdf file).
- Photographs during construction and of the completed structure (minimum of 4 and not more than 8, 8 in. by 10 in. maximum, provide .jpg files)
- Plans or sketches may be included (not more than two pages total, 11 in. by 17 in. maximum)

Once the judging is complete, the winners of each category will be announced at the May annual meeting. All firms that have submitted entries must bring one poster (24"x36") of the project entry with easel for display at the awards ceremony. Credits must be noted for all photographs. Representatives of the firms submitting entries must be present in order to receive the award.

Submit electronic submissions (preferred) or hard copy by 6:00 pm EST on Friday, March 6, 2020 to the following address:

- E-mail: [admin@senh.org](mailto:admin@senh.org) (Please limit e-mail submissions to 20 MB or less in size)
- SENH Administrator, PO BOX 226, Manchester, NH 03105-0226

The \$50 entry fee shall be submitted (mailed) to: SENH Administrator, P.O. Box 226, Manchester, NH 03105-0226.

(rev. 12/22/2019)



# 2020 SENH EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

## JUDGING CRITERIA

### Jurors

A minimum of three jurors are selected to make up the Jury of Awards. The Board of Directors will appoint a Chairman/Juror and two other jurors to the Jury. Jurors should be well respected and qualified structural engineers and be licensed P.E.'s in New Hampshire. A juror should not have a conflict of interest with any of the Projects entered.

### Tabulation of Entries

After the awards submission deadline the SENH Administrator will tabulate and organize the entries into their respective categories. In each category, the entries will be numbered. The entries will be listed on a spreadsheet showing the key information about each entry. This is just for record keeping and has no role in the judging process. The Administrator will forward the summary spreadsheet, project submissions, and scoring forms to each Juror.

### Judging

The Chairman of the Jury will call for, schedule and arrange a meeting of the Jury. Time, place and means to hold the meeting (face to face, skype, teleconference, etc.) is at the discretion of the Chairman.

The judging process takes place in one day, as soon as practical after the entry closing date, and after each Juror has been given the summary spreadsheet, project submissions, and scoring forms. The goal is to have the judging process completed in one meeting.

Jurors will judge the submittals on the merits of their conformance to the required judging attributes and avoid high marks for submittals based on the "glamour factor", or the quality of their photographs. Jurors will avoid awarding mediocre project submissions. Jurors will judge excellence in structural engineering, not architecture, or spectacle.

The entries should be judged on the following criteria:

- Creativity of structural design
- Complexity of criteria or unique problems
- Innovative application of new or existing materials or techniques
- Ingenuity of design for efficient use of materials and labor
- Suitability of the structure for its environment

Scoring forms will be provided to the jurors. The forms will show the entry Project Name and have a place for the jurors to enter their score and comments for each of the criteria. Each juror will review each submittal and determine their score for each project. It is suggested that the jurors read several of the submittals before starting to score them. It takes a review of a few submittals to develop a feel for how to score them. If the jurors have a different relative score for the same quality level but are consistent, the difference between jurors should be irrelevant. Jurors should complete scoring forms in advance of the Jury Meeting.

The Chairman will go over each project in the category with the Jury. Each juror shares their scoring form and will rank their selections for each category. The jurors will then discuss their rankings and decide as a group which projects should be selected for awards.

There is normally one award given in each of the three (3) categories. Jurors have the discretion to:

- Award more awards or no awards in a specific category based on the strength of the submissions.
- Not be required or obligated to make an award in any category based on only having one submission in a category
- Not be required or obligated to make an award in a category based on having no submissions in that category
- Not be required or obligated to make an award for “mediocre” projects submitted.
- Consider a project entered in one category for judging and award in another category.
- Consider making a fourth (4) award for Small Firm Project Award but not be obligated to make this award.

Jurors tally sheets and scoring forms will be kept until the awards are presented in case there is some need to refer to them.

### **Awards Presentation**

The Chairman of the Jury will inform the SENH President and SENH Administrator of the winners/awards to be presented.

The SENH Administrator will arrange for appropriate plaques for the winners. Awards are announced and presented at the SENH annual meeting in May. Awards are presented by the SENH President. A brief summary of each project is included in the presentation. Photos are taken of each award winner receiving the award from the SENH President. Award winners are posted on the SENH Website and the August SENH Newsletter.

### **NCSEA Awards Program**

The SENH Board of Directors, at their discretion, may select one (1) of the projects receiving an SENH Award, be advanced (entered) into the NCSEA Excellence in Structural Engineering Awards Program. The Board will evaluate each of the three (3) or four (4) project awards after the May program, and determine if one of the projects rises to the level of national competition with NCSEA. If the Board decides to advance one (1) SENH Project Award to NCSEA (with agreement by the Award winner). SENH will support the project entry to NCSEA and pay the entry fee (\$395),



## 2020 SENH EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

### SCHEDULE OF EVENTS

<b><u>Item:</u></b>	<b><u>Date:</u></b>
Awards Program Announced (In December Newsletter)	December 2019
Awards Program Announced (At January Meeting)	January 16 <sup>th</sup> +/-
Project Award Entry Form Due	March 6 <sup>st</sup>
Board of Directors Appoints Jury	March 16 <sup>th</sup>
Jury meets, completes awards selection	March 23 <sup>rd</sup> to April 15 <sup>th</sup>
Awards (plaques) ordered from Trophy Firm	April 16 <sup>th</sup>
Poster Board and Project Description (in May Newsletter)	April 20 <sup>th</sup> +/-
Awards Ceremony (held during regular meeting)	May 14 <sup>th</sup> +/-
Awards, Award Winners posted on website	June 5 <sup>th</sup>
Board meeting, Board <u>may</u> select <u>one (1)</u> SENH project award winner to advance to NCSEA Awards Program	June 15 <sup>th</sup> +/-
NCSEA Award Entry Submission Due	July 15 <sup>th</sup>
NCSEA Awards Ceremony at Annual Summit, Las Vegas, NV	November 5 <sup>th</sup>

(rev. 12/23/2019)



## 2020 SENH EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

### ENTRY FORM

Project Category (check one):

- Buildings  
 Bridge and Transportation Structures  
 Special Structures

Small Firm Project Award Eligible  Yes  No (see entry requirements)

Is this Project a Re-entry from the 2019 Awards Program  Yes  No

Approximate construction cost of project submitted: \_\_\_\_\_

Name of Project: \_\_\_\_\_

Location of Project: \_\_\_\_\_

Date construction substantially completed (Month/Year): \_\_\_\_\_

Structural Design Firm: \_\_\_\_\_

General Contractor: \_\_\_\_\_

By signing, signatory agrees to the following and represents that he or she is authorized to sign for the structural design firm of record:

*All entries become the property of SENH and will not be returned. The signatory certifies that SENH members have completed 50% or more of the structural design of the project. A firm representative must be present at the awards ceremony in order to win the award.*

Submitted by: \_\_\_\_\_

Name

PE Number

\_\_\_\_\_

Signature

Date

Submitting Firm: \_\_\_\_\_

Mailing address: \_\_\_\_\_

E-mail: \_\_\_\_\_ Telephone: \_\_\_\_\_

Entry Fee is \$50. Please make check payable to SENH and send to: SENH Administrator, P.O. Box 226, Manchester, NH 03105-0226.

(rev. 12/3/19)

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# SENH Meeting Announcement

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NEXT MEETING: Thursday, January 16, 2020

PRESENTATION #1: **NHDOT Bridge Program Update** – *Find out what has been going on at NHDOT and what is on the horizon.*

SPEAKER: **Robert Landry, PE** – NHDOT Bureau of Bridge Design Administrator

PRESENTATION #2: **Old Bones – New Purpose: The Repurposing of One Milk St – Boston**

Located in the heart of Downtown Boston and part of Boston's Historic Newspaper Row District, One Milk Street is composed of three adjoined buildings: The Boston Transcript Building (circa 1873); The Boston Post Building (circa 1874); and a connector infill building dating from the 1930s. The project encompassed a full gut renovation of all three buildings with structural alterations to create mixed-use upper floor office space and ground floor retail. As EOR for the base building structure, Simpson Gumpertz & Heger (SGH) evaluated the existing structural components of the building (composed of multiple historical masonry, timber, and cast iron systems) as part of an initial building code feasibility study to determine the level of structural upgrades triggered by code, developed a test procedure for in-situ proof load testing of the existing heavy timber floors for the building owner, and designed new structural components such as new CMU elevator cores, structural steel egress stairs, a two story mechanical Penthouse, a new entrance canopy, and new concrete sidewalk vaults.



SPEAKERS: **Michael J. Richard:** Dr. Richard currently works in SGH's Structural New Design Group on new design, renovation, and structural investigation projects. He has managed projects ranging from the full repositioning of historic masonry and heavy timber buildings to the structural design of private residences and art installations. With a background in non-conventional materials and structural testing, his interests include wood and masonry materials, historic structural systems, and laboratory aided design. Before working at SGH, Dr. Richard worked as an NSF IGERT Fellow in the Department of Civil and Environmental Engineering at the University of Pittsburgh focusing on non-conventional materials and structural testing.

**Rebecca H. Lubrano:** Rebecca has worked within both the structural engineering and building technology practices at SGH. While having experience in a range of design, investigation, and repair projects, she seeks out projects that require innovative solutions either through a cross-disciplinary approach or by utilizing emerging technologies. These projects have included historic preservation of concrete and masonry domes, complex structures, and new approaches to more typical projects. Rebecca obtained her Bachelor of Science in Engineering Physics and her Master of Engineering in Structural Engineering, both from Cornell University.

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# Meeting Announcement *(Continued from page 4)*

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**PLACE:** Grappone Conference Center  
70 Constitution Ave, Concord, NH 03301  
(603) 225-0303

**DIRECTIONS:** Take I-93 to Exit 15W onto I-393 West. In ¼ mile, turn right onto Commercial St. Turn right to stay on Commercial St. Constitution Ave. and the Grappone Conference Center is 250 yards ahead on the right.

**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 – 9:00 pm	Presentations

**DINNER:** Buffet with choice of: baked lobster macaroni and cheese with crumb topping or grilled chicken with asparagus roasted roma tomato and tuscan style jus li. Served with the chef's seasonal soup selection, carrots with framboise vinaigrette, fresh baked focaccia and country breads, seasonal potatoes, and a seasonal vegetable.

Please include any food allergies or dietary restrictions to be accommodated.

**COST:** Member: \$45.00 - Non-Member: \$50.00 - Student: \$15.00

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

Three (3) scholarships for Public Employees will be awarded at the Board of Directors discretion on a first-come-first-served basis. Interested Members should contact SENH Admin, Cassi.

**RSVP:** By Thursday, January 9, 2020. There will be a \$5.00 late fee for anyone wishing to RSVP past this date.

Pay on line using PayPal at <http://www.senh.org/meeting-calendar> or send check payable to "Structural Engineers of New Hampshire" with list of attendees to:

TFMoran, Inc.  
Attn. Cassi Beroney  
48 Constitution Drive  
Bedford, NH 03110  
[cberoney@tfmoran.com](mailto:cberoney@tfmoran.com)

**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.

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# November Meeting Attendance List & Meeting Minutes

Portsmouth Memorial Bridge—Steel Innovations for Constructibility (2.0 PDH's)

Grill 28 at Pease Golf Course

200 Grafton Road, Portsmouth, NH 03801

November 20, 2019

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Name	Company	Name	Company
<b>Vin Bartucca*</b>	<b>National Steel Bridge Alliance</b>	Kayla Hampe, P.E.	Hoyle, Tanner & Associates
Adam Stockin, P.E.	WSP USA	Lily Beyer, P.E.	Summit Engineering, PLLC
Christopher Robert		Lucas Talbot, P.E.	Jay Steel, LLC
Chuck Tinkham, P.E.	JSN Associates	Matthew Allen, P.E.	JSN Associates
Daniel Bard, P.E.	Summit Engineering, PLLC	Michael Richard	
Eric Caron	WSP USA	Nina Timney	Jeremy Hiltz Excavating/ Associated Builders & Contractors YPG
Fred Emanuel, P.E.	Emanuel Engineering	Normand Cote, P.E.	NGC Engineering
Greg Clauson	AISC	Rebecca Priebe, P.E.	
Jay Brown, P.E.	Structural Systems	Robert Champagne, P.E.	Summit Engineering, PLLC
Jeffrey Karam, P.E.	Evergreen Structural Engineering	Robert Landry, P.E.	NHDOT
Jennifer Reczek	NHDOT	Ross Wood, P.E.	Hoyle, Tanner & Associates
Jill Semprini, P.E.	Hoyle, Tanner & Associates	Ryan McMullin, P.E.	Hoyle, Tanner & Associates
Jonathan Culp-Yu	E.D. Swett	Steve Hodgdon, P.E.	Hoyle, Tanner & Associates
Joseph O'Neill	Summit Engineering, PLLC	Thomas Kilrain, P.E.	Dept. of Navy
Joshua Yousey		Timothy Polson, P.E.	WSP USA
Josif Bicja, P.E.	Hoyle, Tanner & Associates	Tom Lamb, P.E.	TFMoran, Inc.
Katie Welch	Hoyle, Tanner & Associates	Zachary Abbott	WSP USA

\*speaker

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## Business Portion of the Meeting

President Tom Lamb made a few announcements:

- The Younger Members Group led a panel discussion at UNH for UNH engineering students on October 29<sup>th</sup>.
- Engineer of the Year and Young Engineer of the Year Nominations are open.
- Engineers Week Awards Banquet and Exhibition scheduled for Wednesday, February 19, 2020.
- Next meeting will be held Thursday, January 16, 2020 at the Grappone Center in Concord, NH. Bob Landry will provide the annual NHDOT Bridge Bureau update. There will also be a presentation on the 1 Milk Street Repurposing project.

Vice President Josif Bicja made a brief presentation regarding the call for submissions for the annual SENH Excellence in Structural Engineering Awards.

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## Presentations

Vin Bartucca – Steel Bridge Specialist for the National Steel Bridge Alliance (NSBA) presented on steel constructability innovations utilized in the design and construction of the Portsmouth Memorial Bridge.

- NSBA Resources:
  - ◇ NSBA Splice (AASHTO Steel Girder splice design)
  - ◇ LRFD Simon (line girder analysis tool)
  - ◇ NSBA offers monthly webinars (check their website for topics and dates).
  - ◇ NASCC: The Steel Conference is scheduled for April 22-24, 2020 in Atlanta, GA.
    - ◆ Free passes are available – contact Vin Bartucca.
    - ◆ The World Bridge Symposium will be held April 21, 2020.
  - ◇ FHWA has a Bridge Welding Reference Manual—free to download online
- Design innovations utilized on Portsmouth Memorial Bridge:
  - ◇ FHWA has a Bridge Welding Reference Manual – free to download online.
  - ◇ Elimination of gusset plates
  - ◇ Cold Bending (improves fatigue, reduces loss of ductility, fewer bolts and faster fit-up)
  - ◇ Shape selection (minimize fabrication time, I-girder eliminates complex connections, reduces complex welds)
  - ◇ Metalizing (no length limitations, shop or field applied, being used regularly in surrounding states)

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## Employment Opportunities

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### Structural Engineer

Responsible for the review of commercial buildings designed in accordance with current codes and standards to enable design analysis and preparation of project-specific documents to be submitted for the approved used of the company's products.

Strong oral and written communication skills a must.

3-5 years' experience is preferred.

Compensation commensurate with experience and qualifications.

Please send resume to Karen Tuthill via email at [KTuthill@Pneutek.com](mailto:KTuthill@Pneutek.com)



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## A Note from your Admin

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Membership renewal form is attached to this newsletter. Please fill out the form and can be return to me though e-mail: [CBeroney@TFMoran.com](mailto:CBeroney@TFMoran.com), or via snail mail:

TFMoran Inc.

Attn: Cassi

48 Constitution Drive

Bedford, NH 03110.

\*Checks can be mailed to this address, too!

Don't want print, fill out by hand, and have to scan your renewal form?! Then head over to the SENH website and complete the form online and pay via PayPal!

<https://www.senh.org/membership-renewal-form>

Know someone who wants to become a member? Pass on this link!

<https://www.senh.org/membership-application-form>

If your company would like to be a Corporate Sponsor, please see attached form on how to do so.

Don't forget that you can also post Employment Ads on our website:

<https://www.senh.org/awpcp>

As always, if you have any questions or comments, please feel free to contact me any-time at [cberoney@tfmoran.com](mailto:cberoney@tfmoran.com) or [admin@senh.com](mailto:admin@senh.com)

Thank you!! And I look forward to seeing all of your renewal forms soon :)

~Cassi



# SENH 2020 Dues Renewal Notice



Member of

Renewal dues are as follows:

Member: \$ 65.00      Associate Member: \$65.00      Student Member: \$0.00      Retired Member: \$20.00

Please make check payable to SENH, and send with completed form to:

SENH  
P.O. Box 226  
Manchester, NH 03105-0226

**BY January 31<sup>st</sup>, 2020**

*\*If sending one check for more than one person, please fill out a renewal form for each person.*

***PLEASE FILL OUT COMPLETELY. THIS FORM IS USED FOR CONFIRMING AND UPDATING LISTS!***

Please check one:

Member                       Associate Member                       Student Member                       Retired Member

NAME \_\_\_\_\_ FIRM \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_ FAX \_\_\_\_\_ \*\*E-MAIL \_\_\_\_\_

P.E.     YES     NO    WHICH STATE(S) \_\_\_\_\_

If you are under 35 years of age, are you interested in participating in the Young Members Group?                       YES     NO

Does the information provided represent a change in registration data from the previous year?                       YES     NO

Do you wish to be listed on the website to accept calls from the public?                       YES     NO

If yes - check all categories that apply :     Bridges     Buildings Residential     Buildings Commercial

Do you hold any additional certifications such as     SECB     LEED     Other \_\_\_\_\_

Do you wish for SENH to share your e-mail address with NCSEA to receive their announcements?     YES     NO

Do you wish to have your name in the Member Directory on the SENH Website?                       YES     NO

Do you wish to have your member information (except e-mail) included on the SENH Website?                       YES     NO

Voluntary SENH scholarship contribution: \$10 \_\_\_\_\_ \$20 \_\_\_\_\_ \$50 \_\_\_\_\_ OTHER \$ \_\_\_\_\_

Check # \_\_\_\_\_                      Check Amount \$ \_\_\_\_\_

If you wish to have your "Linked In" profile shown on the SENH Website with your member directory listing, please provide the link here:

\_\_\_\_\_  
\_\_\_\_\_

**\*\*Our newsletters are delivered via e-mail. In order to receive your newsletter via US Postal Service you must check the box below.**



Please send my newsletter via regular mail.



## Structural Engineers of New Hampshire

P.O. Box 226  
Manchester, NH 03105-0226  
[www.senh.org](http://www.senh.org)



### Corporate Advertising

#### Introduction:

SENH accepts corporate advertisement for posting on its website and for inclusion in five (5) newsletters delivered electronically to its members. The postings will include a hyperlink to the firms website if desired.

#### Advertisement Format:

All advertisements shall be in the form a 1.3" x 2.3" business card and shall be submitted electronically in a .jpg or .pdf format.

#### Advertisement Fee:

An annual fee of \$100 is required for structural engineering related firms who employ at least one (1) Member or Associate Member of SENH. An annual fee of \$150 is required for structural engineering related firms who do not employ a Member or Associate Member of SENH. An annual fee of \$300 is required for non-structural engineering related advertisements. Advertisement Fees are for the Period of January 1<sup>st</sup> to December 31<sup>st</sup>. Advertisements received outside of the annual renewal cycle will be assessed a fee of \$10/month, \$15/month and \$30/month respectively.

For purposes of SENH advertisements structural engineering related firms shall include the following:

- Structural Engineering Design Companies
- Architectural / HVAC Design Companies
- Survey Companies
- Geotechnical Engineering Companies
- Manufacturers whose products are utilized in building or bridge construction
- Architectural Historians / Archaeologists
- Companies providing professional services to structural engineering companies (Accountants, Lawyers, etc.)
- Software companies providing structural analysis, CADD, estimating or scheduling software
- Other companies approved at the discretion of the SENH Board of Directors

The SENH Board of Directors reserves the right to limit the type of advertising accepted for use.



**Structural Engineers of New Hampshire**  
 P.O. Box 226  
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[www.senh.org](http://www.senh.org)



**Corporate Advertising Form**

**CONTACT INFORMATION:**

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

Phone & Fax Numbers: \_\_\_\_\_

Website Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Phone Number: \_\_\_\_\_

Contact E-mail Address: \_\_\_\_\_

**BUSINESS DESCRIPTION:**

- Company employs at least one (1) SENH Member or Associate Member.
  - Company does not employ at least one (1) SENH Member or Associate Member.
- If second box is checked, please provide a brief description of business and how it relates to structural engineering:

\_\_\_\_\_

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- \$100 – Structural Engineering Related Company employing at least one (1) SENH Member or Associate Member.
- \$150 – Structural Engineering Related Company that does not employ at least one (1) SENH Member or Associate Member.
- \$300 – All other companies.

**SUBMIT COMPLETED APPLICATION WITH FEE TO:**

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 P.O. Box 226  
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**SUBMIT ELECTRONIC ADVERTISEMENT**

**TO:** [admin@senh.org](mailto:admin@senh.org)

*Please Note: Electronic files may be submitted prior to applications and fees however the advertisement will not be posted until SENH has received the application and application fee.*

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