



Granite Columns



President's Letter



As a structural engineer I often find myself educating people around me. Not in the traditional sense but in a more informal way by passing on knowledge as the opportunity presents itself. Whether it is helping a new hire in our office learn a new skill or helping a client better understand the intent of a drawing, I find myself constantly passing on knowledge. I expect many other structural engineers find themselves doing the same thing. I believe we need to expand the circle of people around us to whom we pass this knowledge though.

We all need to pursue opportunities to educate the people around us. This can include many groups of people within and outside the design and construction industries. The benefits of this are numerous and may surprise us. We might also be surprised at the interest people may have in the knowledge we have to share.

One example comes to mind: SENH member, Alex Azodi recently was approached by a school group planning to build a cable stay bridge in a nature preserve. Alex passed this information on to the Board and after some communication with the Public Relations committee Tim Polson and Josif Bicja offered to meet with the group. The feedback from the meeting was positive on both sides. Josif and Tim shared their knowledge with the group who is now considering modifications to their plans to better fit their needs. More meetings have happened since then and more have been planned. What a great opportunity to educate the public on what we do while helping with their project! This project certainly has potential to inspire students to pursue a future career in structural engineering.

I encourage SENH members to contact Tim or Josif if they are interested in learning more about this. I also encourage everyone to look for additional opportunities like this. Passing on our knowledge not only benefits the people that have an immediate need for it, but it also furthers our profession and improves the future.

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Special Points of Interest/ Reminders:

- *Mark you calendars! The November meeting is scheduled for November 20th—See inside for details*
- *Summary of the Annual ASCE/SENH Joint Meeting can be found on page 3*

SENH Meeting Announcement

NEXT MEETING: Wednesday, November 20, 2019

PRESENTATION: **Portsmouth Memorial Bridge - Steel Innovations for Constructability**
The Portsmouth Memorial Bridge is a one of a kind steel bridge that features innovations in design and construction that simplified fabrication and enhanced overall constructability. This structure connects generations and bridges communities while still representing historical presence over the Piscataqua River. This presentation will explore the innovation, concepts, and construction methods that the design-build team implemented to deliver a stronger, safer bridge in 18 months. This past AISC Prize Bridge Award winner illustrates what the steel industry has to offer in the future of bridge design, construction, and maintenance.

SPEAKER: **Vin Bartucca** is a Bridge Steel Specialist for the National Steel Bridge Alliance (NSBA), a division of the American Institute of Steel Construction (AISC). Vin is located in Boston and covers the Northeast region of the United States, where he represents the steel bridge industry on matters of bridge type selection, fabrication and construction. Vin's role with NSBA is to provide technical assistance, tools and resources for steel bridges to bridge owners, designers, fabricators, university programs, and technical committees. Prior to joining NSBA, Vin worked in the bridge contractor industry, allowing him to be a part of complex bridge projects such as the Portsmouth Memorial Bridge and the Whittier Bridge.

PLACE: Grill 28 at Pease Golf Course
200 Grafton Road
Portsmouth, NH 03801
(603) 766-6466

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 House Marinated Steak Tips and Seared Salmon with Pineapple Sweet and Sour Sauce, served with brown rice, fresh seasonal vegetables, a garden salad, and freshly baked dinner rolls. Dessert choices are mini peanut butter mousse cookie cups and blueberry crumble.

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.

RSVP: By Wednesday, November 13, 2019. 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

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.

September Meeting Attendance List & Meeting Minutes

Reality Capture 3D Laser Scanning & Modeling (2.0 PDH's)
 Murphy's Taproom & Carriage House
 393 Route 101, Bedford, NH 03110
 September 11, 2019

Name	Company	Name	Company
* Michael Carter	Doucet Survey, LLC	Kayla Hampe, P.E.	Hoyle, Tanner & Assoc.
Anna Giraldi	Fuss & O'Neil	Kevin Carne	Fuss & O'Neil
Anthony Puntin		Lou Cote	TFMoran, Inc.
Cassi Beroney	Structural Engineers of NH	Mark Beroney	Atlantic Prefab, Inc.
Christopher Robert	E.D. Swett	Matthew Mullen	TFMoran, Inc.
Daniel Martel, P.E.	Team Engineering	Michael Bogue, P.E.	WSP USA, Inc.
Darren Blood	GM2 Assoc.	Mitch Cummings	GM2 Assoc.
Ed Weingartner, P.E.	Hoyle, Tanner & Assoc.	Nevin Gomez, P.E.	WSP USA, Inc.
Edward Coleman	CRREL	Normand Cote, P.E.	NGC Structural, LLC
Emily Schneider		Paul Sbacchi, P.E.	TFMoran, Inc.
Eric Caron	WSP USA, Inc.	Richard Driscoll	
Ethan Carrier	Fuss & O'Neil	Robert Busby, P.E.	Kalwall Corp.
Fred Emanuel, P.E.	Emanuel Engineering	Robert Champagne, P.E.	Summit Engineering, PLLC
Gregory Clauson	AISC	Ross Wood, P.E.	Hoyle, Tanner & Assoc.
Hugh Scott, P.E.	Shea Concrete	Ryan McMullen	Hoyle, Tanner & Assoc.
Jay Brown, P.E.	Structural Systems, Inc.	Sean Brown, P.E.	Hardesty & Hanover
Jeff Garnett, P.E.	MJS Engineering	Steve Hodgdon	Hoyle, Tanner & Assoc.
Jill Semprini, P.E.	Hoyle, Tanner & Assoc.	Timothy Polson, P.E.	WSP USA, Inc.
Joe Ripley, P.E.	Hoyle, Tanner & Assoc.	Tom Lamb, P.E.	TFMoran, Inc.
Jonathan Nadeau	TFMoran, Inc.	Zachary Abbott	WSP USA, Inc.
Josif Bicja, P.E.	Hoyle, Tanner & Assoc.	Zachary Zavalinos, P.E.	Dubois & King, Inc.
Katie Welch, E.I.T	Hoyle, Tanner & Assoc.	Devon Christen	TFMoran, Inc.
* Speaker		Alex Azodi, P.E.	Omega Structural Engineers, PLLC

Business Portion of the Meeting

September meeting was the annual joint meeting with ASCE-NH.

President Tom Lamb made a few announcements:

- The Younger Members Group is planning a 'Board & Brews' night for the end of September.
- An NHI Bridge Inspection Refresher is being planned to be offered in January/February 2020.
- Working to put together an IBC 2015 Refresher.
- SENH is planning a Panel Discussion at UNH for UNH Engineering Students – scheduled for 10/29/19.
- The SENH Fall Webinar will be held October 29, 2019, 4:30 to 6:00 PM at UNH. Topic: Ground Improvement for Structural Engineers: Benefits, Limitations, and Considerations.

Presentation

Michael Carter, PS – Director of 3D Mapping, Doucet Survey, LLC presented on “Reality Capture with 3D Laser Scanning & Modeling”.

- The presentation provided local project examples where LIDAR and 3D Visualization were used, benefits of the technology and rough costs figures
- Benefits include:
 - ◊ Exponentially greater detail due to the massive amount of data that can be collected
 - ◊ “Inaccessible” features can be surveyed
 - ◊ Improved safety (crews can often setup outside of the travel way and still capture critical components)
 - ◊ Reduced costs associated with police details, flaggers, traffic control, etc.
 - ◊ Speed of data capture (1 million points/second)

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