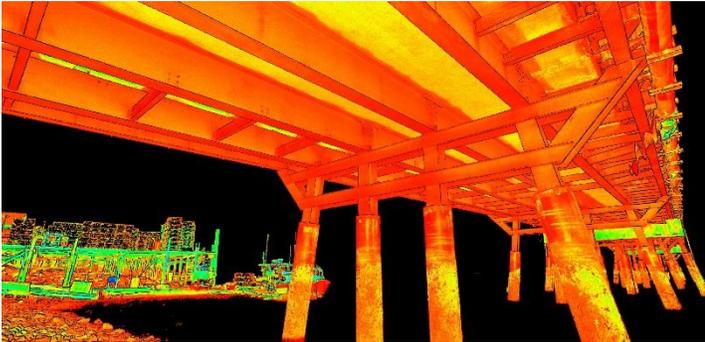


SENH MEETING ANNOUNCEMENT

NEXT MEETING: Wednesday, September 11, 2019

PRESENTATION: **Reality Capture with 3D Laser Scanning & Modeling**



Some newer technologies have raised the bar substantially on the quality and completeness of survey data that engineers can expect to work with. While we still speak in terms of “as-built” or “existing conditions” surveys, the information we gather with survey-grade 3D laser scanners is often called “reality capture” for good reason. This presentation will explain how laser scanners are used to capture extraordinarily detailed information on components of bridges, buildings, and other structures. It will discuss some of the inherent safety benefits of using scanners versus other means of

obtaining measurements on difficult-to-reach features. The presentation will also provide specific examples of how that scan information can be presented in a variety of user-friendly formats for engineering projects, and the relative costs & benefits of those different formats. The objective of the presentation is to build awareness within the structural engineering community about these new tools and to help those in attendance evaluate when those tools will provide value for their own engineering projects.



SPEAKER'S BIO: **Michael Carter** joined Doucet Survey LLC as their Director of 3D Mapping in November 2015. Prior to joining Doucet Survey, Michael had done conventional land surveying and 3D laser scanning since 2005.

While Michael continues to be involved with traditional boundary, topographic, and construction layout surveys, his primary focus for the last 8 has been on 3D laser scanning surveys. He has performed a wide variety of work in this area, including scans of highways, bridges, tunnels, rail corridors, airports, complete interiors & exteriors of large buildings, neighborhood streetscapes, LNG and other fuel processing facilities, rock faces, mine shafts, electrical utility structures, boats, and a host of other geometrically complex structures. Michael really enjoys this work and continues to be excited about the amazing and helpful deliverables it allows his team to provide to their clients.

Prior to changing careers into land surveying, Michael worked in controls engineering for two industrial equipment manufacturers. He has a BS in Electrical & Computer Engineering from The Johns Hopkins University and an MBA from Loyola College in Maryland, and later studied Land Surveying courses at the UNH Thompson School. He earned his NH LLS in May 2016. Michael lives in Milford, NH with his wife Erin and their two children Keegan & Catriona.

PLACE: Murphy's Taproom & Carriage House
393 Route 101
Bedford, NH 03110
(603) 488-5975

AGENDA: 5:30 pm – 6:30 pm Registration/Social Hour

SENH MEETING ANNOUNCEMENT

6:30 pm – 7:15 pm Dinner
7:15 pm – 7:30 pm Business Meeting
7:30 pm – 8:30 pm Presentation
8:30 pm – 8:45 pm Closing Remarks

DINNER: Buffet with choice of Chicken Parmesan or Baked Cod with Buttery Cracker Crumb. Sides include garden salad with champagne vinaigrette dressings, fingerling potatoes, and vegetable medley.

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

COST: Member/Non-Member: \$45.00 – Government Employee: \$35.00 – Student: \$15.00 “No-shows” will be billed at full amount. Refunds will not be issued.

RSVP: **By Friday, August 30, 2019 to avoid any late fees.** There will be a \$10.00 late fee for anyone wishing to RSVP past this date.

Registration and payments can be completed using one of the following methods:

- Pay online at <http://www.senh.org/meeting-calendar> using SENH's Meeting Calendar
- Send a check 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 for SENH members. Attendees are responsible for ensuring their check-in on the attendance list upon arrival at the meeting.