



YOUNGER MEMBER GROUP



Boston Society of Civil Engineers
American Society of Civil Engineers



SR Tech Talk – Hybrid Event!

WHEN : Tuesday, April 26, 5:30 PM - 8:00 PM

WHERE : ZOOM & GeoEngineers, Inc. 239 Causeway St. Boston, MA 02114

REGISTRATION FEES :
\$20 Member
\$25 Non-Member
\$10 Students

REGISTRATION LINK:
<https://www.bsces.org/events/senior-tech-talk-4203>

Registration Deadline
Friday, April 22, 2022.
Cancellations received after April 22, 2022 and no-shows will be billed.

Please note that an inherent risk of exposure to COVID-19 exists anywhere other people are present, and even precautionary measures such as masking and social distancing cannot completely eliminate this risk. The Boston Society of Civil Engineers Section/ASCE (BSCES) requires any person attending a Society-sponsored in-person activity to be fully vaccinated against COVID-19 and to be prepared to provide proof of vaccination. In addition, any person who chooses to travel to and/or participate in any BSCES in-person activity assumes all risk arising from that decision. All participants must agree to comply with all safety procedures established by the Commonwealth of Massachusetts and Centers for Disease Control and Prevention (CDC) as well as any other protocols put in place by BSCES, the host sites, travel facilities, or any other applicable authorities.



Stan Sadkowski, PE

Principal Geotechnical Engineer, GeoEngineers: Stan is an accomplished business leader with over 18 years of experience in geotechnical and environmental engineering in the urban development market. The UNH alumnus was named Boston Business Journal's 40 under 40 and enjoys playing softball with his coworkers.

Speaking Topic: With a new developer at the helm, the 380 Stuart Street project will transform the current 9-story structure in Back Bay into a 26-story tower that will put a new spin on combining interior and exterior on the ground floor. It will add a unique, unaligned glass façade to the neighborhood that helps maximize terrace space and is certain to spice up the skyline.



Michael Beintum, PE

Senior Technical Advisor, HNTB: Michael is a lead structural bridge engineer for the HNTB Boston office. He has been the structural lead on numerous bridge projects in the northeast including Haverhill Bridge Replacement Design Build, Chelsea Viaduct Rehabilitation, and Providence Viaduct NB Replacement Design Build. He graduated from the University of Illinois with a B.S. and M.S. in Civil Engineering.

Speaking Topic: The Haverhill Design-Build Project replaced two adjacent bridges carrying I-495 NB and SB over the Merrimack River in Haverhill, MA. The existing structures were built in 1961 and showed signs of deterioration. The replacement bridges consist of three spans, for a total length of 720-feet. The project included numerous construction challenges, including a limited in-water work window, which necessitated unique structural solutions.



Bernadette Kolb, PE

Senior Vice President, CDM Smith: Bernadette is a water resources engineer that specializes in water resources management and water quality for wastewater and drinking water clients. In her 40-year career, she has completed projects across the US and in five continents.

Speaking Topic: Freshwater salinization caused by increased salt use threatens our waterways and health. The talk will describe the Illinois Tollway's Refined Salting Strategy, which lays out a 15-year capital and operations plan to significantly reduce salt use during winter maintenance operations. Chloride reductions are mandated in 401 Water Quality Certifications for three Tollway expansion projects. Surveys and workshops were conducted with maintenance supervisors and managers to identify key areas for improvement. The core strategy involves increasing liquid (brine) use while decreasing use of granular rock salt. A cost-benefit analysis indicates positive ratios both in terms of reduced cost for salt and externalities such as decreased corrosion to vehicles and infrastructure and reduced environmental damage



Hans Kuebler, PE

Senior Civil Engineer, Howard Stein Hudson: Hans is experienced in traffic engineering, civil engineering, traffic analysis, project planning, and construction management. He has worked in a variety of roles for public and private developments, from the design stage through construction and project close out. Hans holds a Bachelor of Science in Civil Engineering from Northeastern University.

Speaking Topic: The Columbus Avenue Center Running Bus Lanes project incorporates Bus Rapid Transit (BRT) that results in faster, more reliable trips along the corridor, and it is the first center-running bus lane in New England. This transformative project highlights the many innovative methods and technologies used to enhance regional transportation, mobility, accessibility, and equity, and will help to promote a culture of safe transportation that will shape the transit landscape for a post COVID-19 world.

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