



# 2024 Structural Engineering Seminar



STRUCTURAL  
ENGINEERING  
INSTITUTE  
Connecticut Chapter

October 10th, 2024, Thursday  
MDC Operations Facility & Training Center  
125 Maxim Road, Hartford, CT

## SEMINAR PROGRAM

7:00 AM - 7:30 AM Exhibitors Setup

7:30 AM - 8:00 AM Registration and Breakfast sponsored by **HNTB**

8:00 AM - 8:15 AM Opening Remarks and Audience Introduction

### *Challenges in Design and Construction*

8:15 AM - 9:10 AM **The Six Most Important Issues for a Crane Lift Plan**  
Vincent A. Siefert, PE, and Steven L. Porter, EIT, of Siefert Associates, LLC

9:10 AM - 10:05 AM **Design Development & Construction Challenges of the Onondaga County Canalways Trail Extension Project**  
Alexander S. Kerr, PE, PTOE, and Kimberly Fletcher, PE, of Barton & Loguidice

10:05 AM - 10:25 AM Morning Break with Exhibitors and Refreshments sponsored by



### *Extreme Event Design and Performance of Infrastructure*

10:25 AM - 11:20 AM **FHWA's Resources and Solutions for Bridge and Tunnel Security Engineering**  
Vincent P. Chiarito, PE, F.SEI, of Federal Highway Administration, Office of Infrastructure

11:20 AM - 12:15 PM **Vessel Collision Evaluations for Major Bridges**  
Matthew Lengyel, PE, SE, PMP, CBI, of GM2 Associates, Inc.

12:15 PM - 1:00 PM Lunch with Exhibitors and Refreshments sponsored by **GM2 WJE**

### *Emerging Technologies using UHPC and Digital Twins*

1:00 PM - 1:55 PM **A Case Study of Ultra-High Performance Concrete Invert Linings for the Rehabilitation of Corrugated Metal Pipe Culverts**  
Brian Lassy, EIT, of University of Connecticut

1:55 PM - 2:50 PM **A Snapshot in Time (Digital Twins)**  
Chase Gallik, EIT, and Hannah Rakowski, PE, of Wiss, Janney, Elstner Associates

2:50 PM - 3:10 PM Afternoon Break with Exhibitors and Refreshments sponsored by **GEOPIER**  
A Division of CMC

### *Engineering History and Community Contribution*

3:10 PM - 4:05 PM **R. Buckminster Fuller (1895-1983)'s Engineering Challenge**  
Chad T. Morrison, PE, F.ASCE, of Berlin Steel Construction Company

4:05 PM - 5:00 PM **Beyond A Bridge: Empowering Communities**  
Sanjeev Mohan, PE, of Stantec

5:00 PM - Closing Remarks and Commemorative Photo

- 8.0 New York State PDHs will be offered.

- SEI Connecticut Board of Directors (2024-2026):

Sangyul Cho Alexandra Hain Sanjeev Mohan Hannah Rakowski Kimberly Fletcher

10/7/2024