



**STRUCTURAL
ENGINEERING
INSTITUTE**

**Mohawk Hudson
Chapter**

SEI Mohawk-Hudson Presents:

- 4 Professional Development Seminars
 - 4.25 PDH Credits
- 1 Interactive Presentation

MOHAWK-HUDSON CHAPTER 15th ANNUAL SEI STRUCTURES DAY - 2025

Wednesday November 5, 2025

Presentation Schedule:

7:45 – 8:00	Zoom Sign-In and Opening Remarks
8:00 – 9:00	Structural Building Failures in New York
9:00 – 9:30	Break
9:30 – 10:30	Load Testing of Existing Structures
10:30 – 11:00	Break
11:00 – 12:15	Snow Load Provisions in ASCE 7-22
12:15 – 12:30	Break
12:30 – 1:30	Composite Joists
1:30 – 2:00	Break
2:00 – 3:00	AI Developments in Structural Engineering

Location:

Presentations will be streamed live on Zoom Meetings Platform. The link will be provided the day prior to the event.

Registration Deadline: Tues 11/04/25

Attendance with (4.25) PDH Credits: \$60
Attendance without PDH Credits: \$30
Students: Free

Please register in advance for Structures Day at the SEI-MH website:

<https://www.seimohawkhudson.org/events>

Contact Peter Schwartz with questions:

Email: pschwartz@chasolutions.com

Phone: (518) 453-8798

Structural Building Failures in New York

A compilation of significant and instructive structural building failures, including partial and complete collapses. We'll focus on lessons to be learned, for the engineering design, construction, and condition reviews of buildings.

Jim D'Aloisio, PE, LEED AP - Klepper, Hahn, and Hyatt (1.0 PDH)

Load Test Evaluation of Existing Structures

Outlines the development and evolution of load testing philosophy through time, describes the capabilities of load testing, explains monotonic and cyclic load test protocols and acceptance criteria, and provides a summary of a selected project examples.

Filippo Masetti, PE – Simpson, Gumpertz, and Heger (1.0 PDH Pending)

Snow Load Provisions in ASCE 7-22

An in-depth presentation that covers several topics related to snow load changes in ASCE 7-22. Code changes will be required on all projects in NYS starting in 2026 with the adoption of 2025 NYSBC.

Michael O'Rourke, PE, PhD
Prof. Emeritus Rensselaer Polytechnic Institute (1.25 PDH)

Composite Joists

- Learn the fundamentals of composite joist behavior vs. conventional steel joists
- Understand how to choose proper joist designations and leverage Vulcraft's design tools
- Dive into bridging, vibration control, and detailing best practices
- Real-world case studies showing cost & performance advantages
- Q&A: Ask the expert anything about composite joists or tool usage

Tim Broadwell and Vayda Wilkins – Nucor, Vulcraft New York (1.0 PDH)

AI Development in Structural Engineering

Highlights how Artificial Intelligence is shaping structural engineering practices. Key areas include using AI to interpret and improve codes, automate document creation, streamline voting processes for standards approval, and assist in real-time monitoring and maintenance of infrastructure.

Kristopher Dane, D.Eng – Thornton Tomasetti
M.Z. Naser, PE, PhD – Clemson University (NO PDH)