

SEI-PGH NEWS



A monthly newsletter brought to you by the Structural Engineering Institute - Pittsburgh Chapter

VOL. 2, ISSUE 1

OCTOBER 18, 2022

SEI Pittsburgh is back in business for 2022/23, and we are gearing up for a great year! We already had a tour of construction at the Charleroi Lock and Dam (see below), and we are getting ready for an in-person seminar at the Hofbrauhaus on November 10th to talk about column base connections. There are some other great events in the works too, so we look forward to seeing many of you live and in person this year!



Pretty Dam Cool

On August 25, 2022 a group of 15 industry professionals took a tour of the Charleroi Lock and Dam, a project owned and operated by the U.S. Army Corps of Engineers. The lock is on the lower Monongahela River and is currently being modernized to include a new, larger River Chamber which will

better accommodate today's river traffic. Participants learned about several unique construction means and methods required for the project while viewing active construction within the dewatered lock chamber. Attendees were also treated to panoramic views of the construction site from the top of the new control tower. The existing lock chambers were constructed in 1932 and the new lock chamber is expected to be completed in 2024.

Local/Online Educational Opportunities:

Guided Online Courses

Dates Vary
10-24 PDH

[ASCE - Various Structural Topics](#)

On demand 5-12 week courses, Virtual, \$645-\$1895

Tue 10/18-Thu 10/20

Up to 10 PDH

[AISC - Flash Steel Conference](#)

20 half-hour long sessions

11 AM -4:45 PM, Virtual, \$200-\$450

Tue 10/18

1.5 PDH

[ACI - Constructability Series: Coordination and Completeness of Structural Construction Documents](#)

1-2:30 PM, Virtual, Free-\$59

Tue 10/18

1.5 PDH

[NCSEA - Lessons Learned from North America's Largest Mass Timber Building](#)

1-2:30 PM, Virtual, \$250-\$300

Wed 10/19, Thu 10/20

6.0 PDH

[NCSEA - CalOES Safety Assessment Program](#)

1-4 PM, Virtual, \$45-\$75

Fri 10/21

1.0 PDH

[AISC - SteelDay Webinar: Bridging Research and Practice to go Beyond the Specification](#)

1:30-2:30 PM, Virtual, Free

Tue 10/25

1.0 PDH

[G-I Pgh - Geotechnical Aspects of the I-579 Cap Urban Connector Project](#)

5:30-8:30 PM, Cefalo's, Free-\$50

Dinner included, cash bar.

Tue 10/25

0 PDH

[NCSEA - Navigating Standard ASCE 7 Using ASCE 7 Online](#)

3-3:30 PM, Virtual, Free

Night School

Tuesdays 10/25-12/13

12 PDH

[AISC Night School 30: Seismic Design in Steel - Concepts and Examples](#)

7-8:30 PM weekly, Virtual, \$500-\$900

Wed 10/26

1.0 PDH

[ASCE - Significant Changes to the Wind Load Provisions of ASCE 7-22 Part 3](#)

12-1 PM, Virtual, \$99-\$129

Thu 10/27

0 PDH

[ASCE Pgh - Fall Kickoff and Life Member Banquet](#)

Keynote: The Steps of Pittsburgh - Laura Zurowski

5-8 PM, LeMont, \$10-\$45

Dinner included.

Thu 10/27

0 PDH

[NCSEA - Thermal Bridging: The Missing Link in Continuous Insulation](#)

3-3:30 PM, Virtual, Free

Tue 11/1

1.0 PDH

[ACI - Architectural Concrete Best Practices](#)

1-2 PM, Virtual, Free-\$39

Tue 11/8

1.0 PDH

[ACI - Constructability Series: Formwork for Constructable Concrete Structures](#)

1-2 PM, Virtual, Free-\$39

Wed 11/9

1.0 PDH

[STI - HSS Shear Connections](#)

1-2 PM, Virtual, \$95 individual/\$300 group

Thu 11/10

1.5 PDH

[NCSEA - Pour Strips - Designing for Construction Productivity and Safety](#)

1-2:30 PM, Virtual, \$250-\$300

Thu 11/10

1.0 PDH

[SEI Pgh - AISC Higgins Lecture: Column Base Connections: Research, Design, and a Look to the Future](#)

Dr. Amit Kanvinde, PhD

5-8 PM, Hofbrauhaus, \$20-\$50

Dinner included. Registration link to follow.

Thu 11/17, Mon 11/21

4.0 PDH

[ASCE - Deep Foundations - Lateral Analysis and Considerations for Induced Ground Deformations](#)

11:30 AM -1:30 PM, Virtual, \$295-\$395

Tue 11/22

1.0 PDH

[NCSEA - Shoring and Load Transfer in Renovations of Existing Buildings](#)

1-2 PM, Virtual, \$250-\$300

Wed 11/30

1.0 PDH

[STI - HSS & Sustainability: Removing the Myths](#)

12-1 PM, Virtual, \$95 individual/\$300 group

Out-of-Town Educational Opportunities:

Sun 10/23-Thu 10/27

PDH TBD

[2022 ACI Concrete Convention](#)

Dallas, TX, \$20-\$1049 (Virtual Free-\$199)

Tue 11/1-Fri 11/4

Up to 14.5 PDH

[2022 NCSEA Structural Engineering Summit](#)

Chicago, IL, \$695-\$1045

Wed 4/12-Fri 4/14

Up to 17.5 PDH

[2023 NASCC: The Steel Conference](#)

Charlotte, NC, Cost TBD

Wed 5/3-Sat 5/6

PDH TBD

[2023 SEI/ASCE Structures Congress](#)

New Orleans, LA, Cost TBD

Mentoring Minute

Are you stuck in your career or do you need career advice for something on the horizon? Are you looking to help a younger engineer, or are you a new graduate that could use some advice? Check out the [ASCE Mentor Match](#) that connects mentors to mentees. Mutual expectations are set early in your relationship, so the time commitment can be minimal, but the mutual benefits are immeasurable.

ASCE MENTOR MATCH
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Get Paid

For each new ASCE professional member that you refer that ends up joining, you get a **\$50 Amazon.com gift card***, and a **\$500 grand prize gift card*** if you are the top domestic recruiter for 2022. Your professional referral also gets a **50% discount** on their Society dues! Be sure to tell them to pick SEI as their free Institute!

<https://info.asce.org/mgam>, or go to [ASCE.org](https://www.asce.org), select "Get Involved" under "Career & Growth" and scroll down to "Participate in Member-get-a-Member"

* There are some rules, of course. More than I want to retype here, so see the website for more details.

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** No calculators or slide rules were hurt in the making of this newsletter **