

SEI-PGH NEWS



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

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FEBRUARY 21, 2023

2023 SEI CHAPTER OF THE YEAR **SEI PITTSBURGH**

Just like the Fern Hollow Bridge, the SEI-Pgh Newsletter is back up and running, and we have a lot to catch you up on! **First, we got word that the Pittsburgh Chapter of SEI has won the SEI Chapter of the Year for 2023!** This is truly an honor for those of us working behind the scenes, but it is also a testament to the strong support from you, our members and supporters. Come join us in New Orleans at SEI Structures Congress to accept the award, and to network and engage with the larger Structural Engineering community!

If you'd rather do something closer to home, see below for the registration link to the joint SEI/ABCD dinner on Thursday, March 16th. We have some other exciting learning opportunities, a hands-on workshop, student/professional networking, and a site visit in the works for this year. We hope to see you soon!



Fern Hollow Bridge is Back!

The Fern Hollow Bridge re-opened to two lanes of vehicle traffic and pedestrians on Thursday December 22nd – less than 11-months after the collapse. Congratulations to all involved, especially: PennDOT, City of Pittsburgh, HDR design team, and SWANK construction team. It will be fully opened later this coming spring. Stay tuned for an upcoming seminar from SEI-Pgh once the full NTSB report on the collapse is released.



Connecting our Base(plates)

We had an interesting and informative discussion about column base connections with Dr. Amit Kanvinde when he presented his award winning AISC Higgins Lecture in November. It was a great review of the history of the existing AISC Design Guide 1, and a preview of what is to come in the 3rd Edition, which is expected in or around 2024.

Local/Online Educational Opportunities:

<p>On-Demand Library 1-2 PDH Typically Check state eligibility</p>	<p>ASCE - Various Structural Topics On demand, Virtual, Free-\$159 ASCE members get up to 10 PDH per year (select courses)</p>
<p>Recorded Webinars 1-2 PDH Typically</p>	<p>NCSEA - Various Structural Topics On demand, Virtual, \$250-\$300 each, \$1195-\$1695 annually</p>
<p>On-Demand Courses 0-1.5 PDH Typically Check state eligibility</p>	<p>AISC - Various Steel Related Topics On demand, Virtual, Free-\$100</p>
<p>On-Demand Courses 1-2 PDH Typically Check state eligibility</p>	<p>ACI - Various Concrete Related Topics On demand, Virtual, Free-\$79 Free to ACI Members</p>
<p>Guided Online Courses Dates Vary 10-24 PDH</p>	<p>ASCE - Various Structural Topics On demand 5-12 week courses, Virtual, \$645-\$1895</p>
<p>Thu 2/23 1.0 PDH</p>	<p>NCSEA - Tolerance and Constructability Considerations for Steel Reinforced Concrete Buildings 1-2 PM, Virtual, \$250-\$300</p>
<p>Tue 2/28 1.25 PDH</p>	<p>NCSEA - AISC Design Guide - Hybrid Steel Frames with Wood Floors 1-2:15 PM, Virtual, \$150-\$250</p>
<p>Wed 3/1 1.0 PDH</p>	<p>STI - Reach New Heights With Jumbo HSS 12-1 PM, Virtual, \$95 individual/\$400 group</p>
<p>Thu 3/2 1.0 PDH</p>	<p>NCSEA - Architecturally Expressive Structural Steel and Stainless Steel 1-2 PM, Virtual, \$250-\$300</p>
<p>Tue 3/7 1.5 PDH</p>	<p>NCSEA - Architecturally Expressive Structural Steel and Stainless Steel 1-2:30 PM, Virtual, \$150-\$250</p>

Tue 3/7 1.0 PDH	ACI - The Role of Silica Fume in Reducing the Carbon Footprint of Concrete 1-2 PM, Virtual, Free-\$39
Thu 3/9 1.0 PDH	NCSEA - SEE Awards - New Buildings Over \$200 Million: SoFi Stadium 1-2 PM, Virtual, Free
Thu 3/14 4.0 PDH	ASCE - Site-Specific Seismic Design Ground Motions as per ASCE 7-16 and ASCE 7-22 11:30 AM-4 PM, Virtual, \$155-\$295
Tue 3/14 1.0 PDH	NCSEA - Cold-Formed Steel - Latest Design Provisions 1-2 PM, Virtual, \$150-\$250
Night School Tuesdays 3/14-5/16 12 PDH	AISC Night School 31: Beam Design And Stability. 7-8:30 PM weekly, Virtual, \$500-\$900
Thu 3/16 1.5 PDH	NCSEA - Structural Failures and Forensic Engineering 2008 Fatal NYC Tower Crane Collapse - A Case Study 1-2:30 PM, Virtual, \$250-\$300
Thu 3/16 1.0 PDH	SEI/ABCD Joint Dinner - CSVT Bridge: Design and Construction Challenges Jason DeFliitch, PE and Ahmad Ahmadi, PhD, PE 5:15-8 PM, Cefalo's in Carnegie, \$15-\$55 Dinner included.
Wed 3/20, Thu 3/21 12.0 PDH	ASCE - Tornado Load Design per ASCE 7-22 and the 2024 International Building Code 9 AM-5 PM (4 PM Thu), Virtual, \$425-\$625
Wed 3/20, Thu 3/21 14.0 PDH	ASCE - Earth-Retaining Structures: Selection, Design, Construction, and Inspection 8 AM-5 PM, Virtual, \$425-\$625
Tue 3/21 1.25 PDH	NCSEA - NCSEA Code Advisory, Wind Committee Updates 1-2:15 PM, Virtual, \$150-\$250

Fri 3/22-Sun 3/24 21.0 PDH	ASCE - Structural-Vibration Analysis, Design and Troubleshooting 8 AM-5 PM, Virtual, \$695-\$895
Sat 3/23-Sun 3/24 14.0 PDH	ASCE - Deep Foundations: Design, Construction, and Quality Control 8 AM-5 PM, Virtual, \$425-\$625
Tue 3/28 1.25 PDH	NCSEA - Ethics Case Study: Citicorp Center 1-2:15 PM, Virtual, \$250-\$300
Sat 4/6, Sun 4/7 16.0 PDH	ASCE - Earthquake Induced Ground Motions 8 AM-5 PM, Virtual, \$425-\$625
Thu 4/13 1.0 PDH	NCSEA - SEE Awards - Other Structures: SFU Stadium 1-2 PM, Virtual, Free
Thu 4/20 1.5 PDH	NCSEA - The Hidden Cost of "Copy & Paste" Engineering 1-2:30 PM, Virtual, \$250-\$300

Out-of-Town Educational Opportunities:

Mon 3/20-Fri 3/24 Up to 39 PDH	2023 ASCE Seminar Week Reston, VA, Cost Varies
Sun 4/2-Thu 4/6 PDH TBD	Spring 2023 ACI Concrete Convention San Francisco, CA, \$20-\$1099 (Virtual Free-\$209)
Wed 4/12-Fri 4/14 Up to 17.0 PDH	2023 NASCC: The Steel Conference Charlotte, NC, Cost \$300-\$780
Wed 5/3-Sat 5/6 Up to 14.5 PDH	2023 SEI/ASCE Structures Congress New Orleans, LA, \$395-\$1195
Tue 11/7-Fri 11/10 PDH TBD	2023 NCSEA Structural Engineering Summit Anaheim, CA, Cost TBD
Mon 1/22-Thu 1/25 PDH TBD	2024 World of Concrete Las Vegas, NV, Cost TBD



SEI-Pgh Outreach

SEI member Linda Kaplan recently visited her daughter's kindergarten class to talk about structural engineering. After a brief discussion of different building materials and loads, the students got to try their hands at building gumdrop towers and testing foam structures in our wind tunnel. If you're interested in talking to your child's class, let us know – we have activities and resources available for grades K-12!

Reach Out To Friends

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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