

PDH BOOT CAMP

Presented by

The Engineers' Society of Western Pennsylvania
and the American Society of Civil Engineers | Pittsburgh Section



Thursday, August 22, 2019 | 7:30 am–5:00 pm at the ESWP

Pittsburgh Engineers' Building | 337 4th Avenue | Pittsburgh, PA 15222



PDH BOOT CAMP

The Engineers' Society of Western Pennsylvania (ESWP) and the Pittsburgh Section of the American Society of Civil Engineers (ASCE) is pleased to present our biennial "PDH Boot Camp." This day-long event affords attendees the opportunity to earn professional development hours (PDH's), offered under three concurrent breakout sessions. Attendees may attend sessions from any track. Each and every session is approved for a PDH credit by ESWP's Continuing Education Committee. ESWP is recognized as an approved Continuing Education Provider by New York State and the State of Florida Board of Licensure.

Attendees may choose a full-day registration, or to attend the morning, or afternoon session only. All registration categories includes lunch, and morning and afternoon coffee breaks (respectively).

PDH CERTIFICATION

All sessions are approved for a professional development hour by ESWP's Continuing Education Committee. Upon request, attendees will receive a Certificate of Attendance following the event, by e-mail. To obtain your

Certificate of Attendance, attendees are required to submit a "PDH Request Form" indicating which sessions you attend. A PDH Request Form is included in your registration materials, and/or can be downloaded from the ESWP website following the PDH Boot Camp. For credit with New York State, attendees must sign in and out of each session they attend (Please note that ESWP cannot provide certification for those who do not comply with this New York State requirement.)

SURVEY EVALUATIONS

As this is our second PDH Boot Camp, we would sincerely appreciate your honest feedback on the the event to make this a great Pittsburgh tradition! Following the PDH Boot Camp, a survey will be emailed to you - please take a few minutes to provide your feedback.

SPEAKER BIOS & PRESENTATIONS

Biographical information of our presenters can be found on the Boot Camp webpage, found here: <https://eswp.com/about/engineering-continuing-ed-conference/> Where permissible, today's presentations will be posted to our website following the event.

SCHEDULE-AT-A-GLANCE

	TRANSPORTATION TRACK	WATER & WASTEWATER TRACK	INDUSTRIAL TRACK
8:00 A.M.	A New Bridge over the Oregon Inlet, Outer Banks, Nick Burdette, P.E., HDR, Pittsburgh, PA	Inspection to Insight: Robotic Condition Assessment, Christopher White, RedZone Robotics, Pittsburgh, PA	Pump System Reliability, Charles Gerbe, Total Equipment Company, Pittsburgh, PA
9:00 A.M.	Phased Replacement of Two-Span Closed Spandrel Concrete Arch Bridge, Keith Michael, SAI Consulting Engineers, Inc.	Linings, Wet Well & Manholes - Immersion Service Technology Tim Bauman, Sherwin Williams, Warrendale, PA	High Performance Maintenance Coatings for Industrial and Decorative Floors, Steven Reinstadtler, Covestro, Pittsburgh, PA
10:00 A.M.	Bridge Management and Maintenance Andrew Bell, PennDOT, Pittsburgh, PA	Green Infrastructure Opportunities and Challenges, Sam Shamsi, ALCOSAN, Pittsburgh, PA	Lessons Learned in Engineering, Design, Manufacturing and Construction from 50 Years of Failure Experience, Bill O'Donnell, O'Donnell Consulting Engineers, Bethel Park, PA
11:00 A.M.	South 10th Street Bridge Rehabilitation, Stan Nalitz, P.E., AECOM, Pittsburgh, PA	Breaking Down PFAS as an Emerging Contaminant, Brent Alspach, P.E., BCEE, Arcadis, Carlsbad, CA	Environmental Concerns and Project Engineering: Myth, Mystery and Motivation E. Joseph Duckett, Ph.D., P.E., SNC-Lavalin (retired), Pittsburgh, PA
12:00 Noon	Volunteering and Problem Solving Around the World, Dennis Mialki, P.E., Engineers Without Borders/All Hands and Hearts, Tarentum, PA		
	TRANSPORTATION TRACK	TECHNOLOGY TRACK	LEGAL & ETHICS TRACK
1:30 P.M.	Transportation Analysis Tools Which to Choose? Jessica Belowich, Michael Baker International, Moon Township, PA	Emerging Technologies in Engineering and Construction, Rob Sinclair, Civil & Environmental Consultants, Inc., Pittsburgh, PA	Sex Discrimination in the Engineering Workplace, Catherine S. Loeffler, Houston Harbaugh, Pittsburgh, PA
2:30 P.M.	In-Depth Finite Element Analysis of the Seventh Street Self-Anchored Suspension Bridge, Aaron Colorito, P.E., C.B.S.I., Michael Baker International, Moon Township, PA	How to "Break" Your Data and Iron Out Those Stair-Steps! Kenneth Crawford, P.E., Civil Engineering Consultant, New Kensington, PA	It's a Matter of Ethics, Nicole Mangino, Oswald Companies, Cleveland, OH
3:30 P.M.	Connected Vehicles 101, Jim Katsafanas, Michael Baker International, Moon Township, PA	Cybersecurity for Critical Infrastructure like Waste Water plants or Airports, Suresh Ramanathan, KORYAK, Pittsburgh, PA	Pennsylvania Separations Act; Submittal Review and Approval; and, Intelligent Project Communication. David Scotti, Joe Hrabik, P.E., Esq., and Julie Scotti, Scotti Law Group, Pittsburgh, PA
4:30 P.M.	PDH Boot Camp Concludes - Optional Social Hour Cash Bar		