



*FEBRUARY 2023 Virtual Webinar TOPIC:
Civil Engineering / Structural / Innovation*

➡ **Earn 1.0 PDH!** ⬅

Presenter: M.Z. Naser, Ph.D., P.E., M.ASCE

Program: Machine Learning 101 for Civil and Environmental Engineers: Navigating Data, Explainability & Causality

At the moment, we, for the most part, remain hesitant about ML and perceive ML as a form of opaque and higher-order statistics. This webinar hopes to “unbox” ML by providing a series of success stories and visualization exercises for civil engineers by civil engineers. The goal of this session is to educate engineers, students, and building officials on the merit of ML to enable us to better realize novel construction materials and develop new structural systems to overcome many of the ongoing and future challenges in our industry. From this lens, a key focus is to showcase the principles of ML and then outline differences between ML and traditional methods we often favor (i.e., physical testing, numerical simulations, etc.). A second focus is to illustrate some of the recent advances in ML on the fronts of explainability and causality – both of which are elemental to the successful adoption of ML into our domain.

When: Monday, February 27, 2023

Where: Virtual, Zoom Webinar

Times: 12:00 to 1:00 P.M.
Registration: **Thursday February 23rd.**

Cost: \$0 – ASCE Central PA Member
\$0 – Student
\$10 – Guest (Non-ASCE Central PA Member)



Registration (Click Below): Constant Contact (Credit/Debit Card, PayPal) or pay at the door (check or cash)

<http://events.constantcontact.com/register/event?llr=xwihc5pab&oeidk=a07ejlylnmzf5b22adf>

Reservations to attend are due by Thursday, February 23rd, 2023, at NOON

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