



# The Philadelphia Engineer

Founding Chapter 1934 – March 2023 issue

## 2022-23 Chapter Program

Pennsylvania Society of Professional Engineers

Philadelphia Chapter

Monthly Dinner Meetings, Tours and Courses

March 2nd, 2023 5-6pm

### DVGI 2022 Project of The Year: uCity Development

Pennoni has provided Geotechnical, Environmental, Construction Inspection, and Surveying Services for four new buildings on the 36th and 38th and Filbert Street blocks. The projects consist of the flagship uCity Square Life Sciences Building, the Powel Elementary Science and Leadership Academy (PSLAM), the Drexel Academic Tower (DAT), and 3700 Lancaster Avenue. All four buildings were under construction at the same time. The foundation systems for the buildings consisted of a combination of drilled shafts (commonly called caissons) and a mat foundation below the core of the building for the DAT and uCity square projects, while PSLAM and 3700 Lancaster were supported on aggregated piers and rigid inclusions, respectively. These projects faced many geotechnical challenges such as the complexity of the subsurface conditions over a relatively short distance, in particularly the variability of the Wissahickon Formation. Locally the formation disclosed deep pockets of weathered rock and significant variations of rock. Evidence of the varying conditions became a challenge during caisson construction and ground modification installation. The presentation outlines the subsurface conditions, foundation design alternatives for the structures, and foundation installation challenges that were overcome. The presentation will outline the design of the foundation systems and provide a summary of the geotechnical investigation, laboratory testing of soil and rock samples, engineering analysis, and observations made by the geotechnical consultant who was involved in the project throughout the investigation and construction process. The importance of keeping the geotechnical engineer of record involved throughout the investigation and construction will be examined and discussed.

Open to Members of PSPE via Zoom Invite to be sent on 3/2 to those receiving this Newsletter, and to other Engineers and members of the public who contact us at [webmaster@pspe-philly.org](mailto:webmaster@pspe-philly.org).

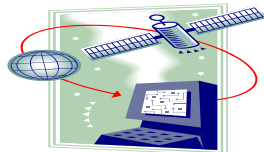
This Event has been accredited for 1.0 Professional Development Hours by the Pennsylvania Society of Professional Engineers. PSPE believes that this course will be accepted for credit in PA, NJ and other National Model states where courses do not require pre-approval. Application for NY credit pending.

## News from State PSPE

### Our State Legislature has Officially Approved Use of Electronic Seals



to



Read about it in PA Bulletin 22-1930

[www.pspe-philly.org/images/PABulletin22-1930.pdf](http://www.pspe-philly.org/images/PABulletin22-1930.pdf)

## 2023 NATIONAL ENGINEERS' WEEK

BANQUET Hosted by the Philadelphia Chapter

Saturday - February 25, 2023 - 5-10PM

Recognize, Promote and Celebrate the Role Engineers fill in the Greater Philadelphia Area



### Outstanding Engineering Achievement Award 2022

Presented to Langan for their involvement upon the [Laborer's District Council Education Center](#)

## Outstanding Engineering Achievement Program

Top regional projects judged by Presidents of regional chapters

Winners for 2022:

Outstanding

[Langan: Laborer's District Council Education Center](#)

[VIEW PRESENTATION HERE](#) - [VIEW Q&A HERE](#)

Notable

[Pennoni: Pennswood Road Bridge over Amtrack](#)

[VIEW PRESENTATION HERE](#) - [VIEW Q&A HERE](#)

Honorable

[STV: SEPTA Wayne Junction Static Frequency Rehab](#)

[VIEW PRESENTATION HERE](#) - [VIEW Q&A HERE](#)

[PSE: Passaic School District Dayton Childhood Center](#)

[VIEW PRESENTATION HERE](#) - [VIEW Q&A HERE](#)

[SEPTA: Elwyn to Wawa Station Restoration](#)

[VIEW PRESENTATION HERE](#) - [VIEW Q&A HERE](#)

Click Entry above to view Nomination, PRESENTATION, Q&A

[Click for Final Comments by Officers of PSPE and NJSPE](#)

[VIEW Judges' Comments](#)

# 2022-23 Chapter Program

Our Philadelphia Chapter program for 2021-22 was awarded PSPE Chapter Outstanding Program Award presented at the State PSPE Annual Meeting September 23rd. Our program for 2022-23 is continues to evolve. We continue to look to our Members for suggestions and to volunteer to share knowledge with your peers. Please contact our leadership at [President@PSPE-Philly.org](mailto:President@PSPE-Philly.org).

Pennsylvania Society of Professional Engineers Philadelphia Chapter 2022-2023 Program	
Date	Event - Click Event for Details
Sep.8, 2022	<a href="#">Tour of New WAWA Septa Station</a>
Sep 13&15 State	<a href="#">PSPE State Conference Virtual</a>
Sep. 23 State	<a href="#">PSPE State Annual Conference Live</a>
Oct. 6, 2022	<a href="#">Electric Power Systems and Vehicles</a>
November 2022	<a href="#">ETHICS for Engineers</a>
Dec. 1, 2022	<a href="#">Delaware Valley Region Outstanding Engineering Achievement Program</a>
Jan. 5, 2023	<a href="#">Elevators, Complex Machines</a>
Feb. 9, 2023	Legislation Impacting Engineers
Feb 4, 2023 MathCounts	<a href="#">Phila Chapter MathCounts Live at Temple</a>
Feb 25, 2023 NSPE PA/NJ Engr's Week	<a href="#">Greater Philadelphia and Delaware Valley Regional National Engineers' Week Banquet</a>
Mar 2, 2023	<a href="#">Live/Virtual TBD</a>
Apr 6, 2023	<a href="#">Live/Virtual TBD</a>
May 4, 2023	<a href="#">Annual Meeting &amp; Officers Installed</a>

## Resources from NSPE

free to Members of NSPE

Click to access:

- [How to apply for licensure](#)
- [Continuing Education Requirements](#)
- [Defining the Practice of Engineering](#)
- [Digital Signing and Sealing](#)
- [Exemptions to Engineering Licensure](#)
- [Violations and Enforcement of Laws](#)
- [Disciplinary Self-Reporting Rules](#)
- [More Resources](#)



# NOMINATIONS for 2023-24

**NOMINATIONS for 2023-24 are still OPEN**  
**See BYLAW 12 – NOMINATION AND ELECTION OF OFFICERS AND DIRECTORS**  
 at <http://pspe-philly.org/bylaws/PhilaChapterBylawsVersion4-7-2005.pdf>

Current Slate provided by the Nominations Committee are provided below:

Robert Cargill, PE	President
Robert Cargill, PE	President-Elect
Brandon Swartley, PE	Vice President
Thomas Friese, PE	Past President
Linda Douthwaite, PE	Secretary
Linda Douthwaite, PE	Treasurer
Chris Fell, PE	Membership Secretary
Abraham El	State Director, 2024
Thomas Friese, PE	Alt State Director
Erik Hoet, PE	Chapter Director, 2024
Fredric L. Plotnick, PE	Chapter Director, 2024
Yefim Gudesblat, PE	Chapter Director, 2025
Justin Alexander, PE	Chapter Director, 2025
Ed Pluciennik, PE	Chapter Director, 2026
Thomas Friese, PE	Chapter Director, 2026

\* Directors are 3 year positions completing May year noted

SECTION 1. The nomination of officers and Directors shall be made by a **Nominating Committee**. This committee shall be appointed by the President early in the administrative year, and shall consist of at least five members of the Chapter, in good standing, one of whom shall be the living most recent Past President currently on the rolls of the Chapter, who shall serve as chair of the Committee.

Interested individuals may contact [president@pspe-philly.org](mailto:president@pspe-philly.org)

**The Philadelphia Chapter is looking for a Few Good Engineers** to lead our Chapter for the 2023-24 chapter year and beyond. While the **Officers and Directors** are charged with the fiduciary duties of leadership, the true leadership resides in the **Chairs of our Committees**. Please visit <http://pspe-philly.org/committees/committees.html> for a full listing of our programs and their Champions.

**Past-President Chris Fell** continues to seek Members who desire to join him in leading our Chapter. Contact at [president@pspe-philly.org](mailto:president@pspe-philly.org)

