The Philadelphia Engineer

Founding Chapter 1934 – mid-October 2026 issue

CALL for Nominations
Outstanding Engineering Achievement Program

Top regional projects judged by Presidents of regional chapters

Deadline is November 15th

Presentation and Judging December 3rd

The Outstanding Engineering Achievement Awards Program strives to recognize projects, regardless of engineering discipline, that demonstrate engineering challenges and innovative solutions, communicate the importance of the Engineering Profession to society, and provide a clear and tangible benefit to the Greater Philadelphia Area and Delaware Valley Region. This year's program will follow this same principle, in that the Outstanding Award will be presented to one project that best meets these criteria as determined by our panel of judges, typically comprised of the presidents of the four chapters in the southeast region of Pennsylvania PSPE as well as the two chapters of Delaware Valley region of NJSPE.

Announcement **Guidelines** **ApplicationForm**

Nominations for 2026 due November 15, 2026

MathCounts

Every week, National MathCounts releases a new multi-part problem related to a holiday, season, special event or cool STEM topic...completely for free!

Can YOU solve these 6th 7th 8th Grade problems?

October 05, 2026

This week is National Metric Week. Since the metric system is based on tens, National Metric Week is always celebrated during the week containing the 10^{th} day of the 10^{th} month.

If 2.54 cm = 1 inch, how many centimeters are in 2.54 feet? Express your answer to the nearest hundredth.

There are 1000 mL in 1 L. How many liters are in 3.8×10^6 mL? Express your answer in scientific notation.

A certain cylinder has a height of 0.5 m. The base of the cylinder has a diameter of 10 cm. What is the volume of the cylinder in cubic centimeters? Express your answer to the nearest whole number.

for the Answers and More Questions Like This, Visit
https://www.mathcounts.org/resources/problem-week-archive

Upcoming Chapter Talk
October 15th

Join fellow Chapter and SouthEast Region Members for a Presentation Upon

Power Distribution Systems - The Past and the Future

Presented by Joseph F. Maida, PE, President – Electrical Engineer

Maida Engineering, Inc.

Join us 7-8pm on Zoom

Advances in technology and compliance with Energy Codes enable the design electrical engineer to make electrical power distribution systems safer, more efficient and more reliable. This course will describe many of the advances in technologies, the installation challenges the design electrical engineer will address for power distribution system modernization projects, and the Power Monitoring and Advisory System that will advise on-site maintenance personnel using the knowledge of the design electrical engineer, as if the design electrical engineer was on site, twenty-four hours per day, seven days a week. View our FLYER HERE. Reservations HERE

PSPE-Philly provides education beyond that just for license renewal,

FREE FE Practice Exam

Sponsored by PSPE Philadelphia

Offer Extended to DEC 31st

To new or older graduates seeking the PE:

You completed your engineering degree and now must pass the FE exam on your way to the PE exam. **But how to get experience with the FE exam?** Read below. FREE both to Members, Student Members, or any reading this newsletter.

To our Professional Engineer Members:

You are a Professional Engineer which means you passed the FE exam some years ago, BUT

Do You Have What It Takes to Again Pass the FE Exam?

FREE FE Practice Exam:

Your Philadelphia Chapter has obtained **permission to share the NCEES practice exams for the FE.** Our code will entitle Viewer to ONE free download to ONE discipline of the FE practice exam. ($50 value.) Our promotional code is:

"**NSPEPhilly**" **Philadelphia Chapter Members have rewards.**

Click **HERE** to download instructions to start YOUR account.

In addition to this FREE interactive practice exam, you are invited to purchase Questions and Solutions for PE and FE exams at https://account.ncees.org/exam-prep/PE. You will be provided with a PDF for lifetime access. With 23 specialties for the PE, and 14 interactive FE practice exams, you can test yourself and friends on whether you still **Have What It Takes** to **Again Pass** the **FE** and **PE**.

PSPE lobbies to protect your license

So that WE can protect the Public Heath Safety and Welfare

Please DONATE to our PAC

Questions for your Legislators?

To whom should I call or write?

NSPE helps you locate your representatives at

https://nspe.quorum.us/officials/

PSPE Legislative Activity

PSPEs lobbyists have been busy at the capitol. Complete details can be found on the PSPE website under [Legislative Activity](#).

Discussed at our State Annual Conference:

- Senate Bill 399 reduces the 12-year timeframe to 6 years and defines "lawfully"
- House Bill 1143 prohibits indemnification provisions in construction contracts
- House Bills 990 and 991 provide municipalities with authority to address the new management requirements without the creation of a separate authority
- We OPPOSE Senate Bill 215 which would provide exemptions for employees and contractors of broadband cable companies
- We SUPPORT additional funding for infrastructure and public transit
- The Commonwealth Budget was enacted in early July and included typical line items for math grant programs including our MathCounts
- PA has the oldest elevator code in the nation, 2002. Proposed regulations update it to the ASME 2016 code. PSPE providing for the public heath safety & welfare
- Concerns are growing regarding water and energy consumption related to new data center construction - We are monitoring these discussions.
- House Bill 2645 establishes licensing requirements for home inspectors under the State Real Estate Commission. Most of the protections for engineers doing home inspections are carried over from existing law.

Donate to our PAC now!!!

NSPE-PA®

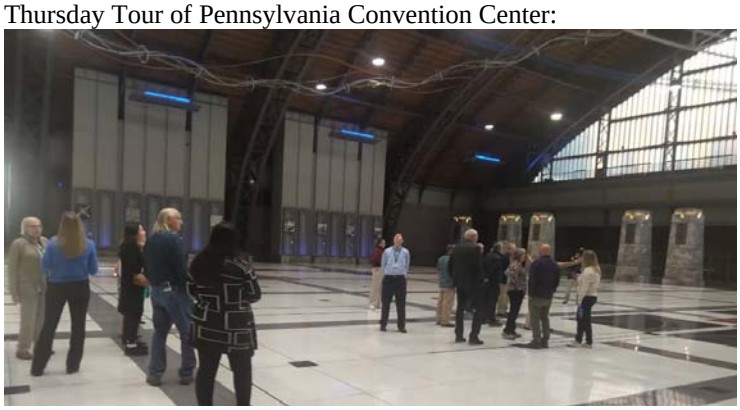
Join PSPE/NSPE Now

Become a Member With Two Easy Steps

https://www.nspe.org/membership/join-now

Photo Highlights from State Conference SEP 24-25

Thursday Tour of Pennsylvania Convention Center:



The Old Reading Railroad Train Shed Reimagined

Into and above the guts of PACC Mechanical Systems

Award to Chapter and Awards Luncheon