



# The Philadelphia Engineer

Founding Chapter 1934 – August 2021 issue

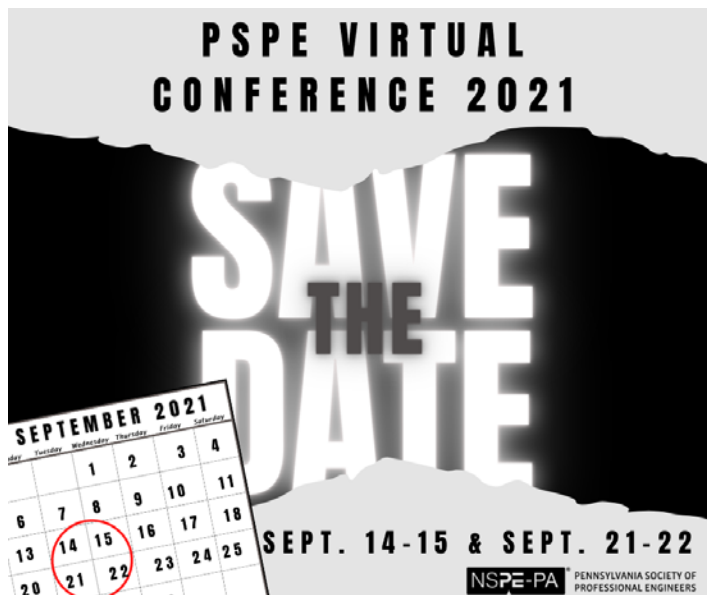
2021-23 License Renewal  
Chapter PDH Boot Camp  
A 100% Virtual Program  
is now up and running  
ONLINE Credits for only \$5/PDH

**Click HERE**

or <http://pspe-philly.org/MCECourses/BuyNow-1.htm>  
to review and take courses now



NSPE is celebrating licensed professional engineers with the sixth annual Professional Engineers Day on Wednesday, Aug. 4, 2021. [Join us](#) as we raise awareness about what it means to be a PE, recognize licensed PEs, and show appreciation for the work they do each and every day.



## Philadelphia Chapter Program 2021-22

Our program for 2021-22 currently under development. Our first draft is provided below. 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 2021-2022 Program	
Date	Event - Click Event for Details
Sep.9, 2021	TOUR TBD
Sep 14-15 & 21-22 2021	PA State Virtual Conference
Oct. 7, 2021	Live and Virtual Telecast TBD
Nov. 4, 2021	Live and Virtual Telecast TBD
Dec. 2, 2021	Outstanding Engineering Achievement Live and Virtual Telecast
Jan. 10, 2022	Live and Virtual Telecast TBD
Feb. 3, 2022	Live and Virtual Telecast TBD
Feb 5, 2022	<a href="#">Phila Chapter MathCounts</a> <a href="#">Live at Temple University</a>
Feb 26, 2022	National Engineers' Week Banquet
Mar 3, 2022	Live and Virtual Telecast TBD
Apr 7, 2022	Live and Virtual Telecast TBD
May 5, 2022	Annual Meeting & Officers Installed
Sep 22-24 '22	PA State Conference

## 2020-21 Chapter Program

The Pennsylvania Society  
of Professional Engineers  
Philadelphia Chapter

Monthly Meetings, Courses and Tours

September 9th 2021

# TOUR

Returning to Live Meetings With Safe Distancing

[See PSPE-Philly.org for details](http://See PSPE-Philly.org for details)



# MATHCOUNTS

MathCounts for 2021 has been virtual

But will again be LIVE for 2022

for more information click [HERE](#) or

<https://www.mathcounts.org/sites/default/files/Critical%20Dates%20for%20Website%20KC.pdf>

**MATHCOUNTS** is a program sponsored by the National Society of Professional Engineers (NSPE) and its state and local Chapters, promoting excellence in mathematics. Each year, there are competitions to engage 6th, 7th, and 8th graders and recognize the best schools and students on a local, state, and national level.

**Important Dates:** Chapter FEB 5th 8am at Temple University  
State Competition MAR 18-19 th in Harrisburg

For those not local to Philadelphia but interested in helping at a MATHCOUNTS competition near you, please consider volunteering with a great program.

To volunteer or for more information contact Abraham El

O: 215-254-7778 | M: 215-796-5261 | [AEI@Pennoni.com](mailto:AEI@Pennoni.com)

## MATHCOUNTS 2021 Participants

School Name	Coach	Participants
Germantown Friends School	Kate Jones	15
J R Masterman School	Chris Taranta	15
Springside Chestnut Hill Academy Boys Middle School	Andrew Wolf	15
Springside Chestnut Hill Academy Middle School Girls	Abbie Willing	12
St Francis Xavier School	Natalie Damora	1
The Philadelphia School	Liz McCannell	11
William Penn Charter School	Jennifer Ketler	15

## 2021 Philadelphia Chapter Winners

### Top Individuals:

Calvin Wang, Julia Reynolds Masterman  
Tomas Falleti-Moore, Julia Reynolds Masterman  
Mia Melishchuk, Julia Reynolds Masterman  
John C. Cao, Germantown Friends School  
Ben Russo, The Philadelphia School

### Thank you to our Chapter MathCounts Team

Alex Sopin - Pedro Pinto - Abraham El  
and all volunteers and coaches

To Donate to Mathcounts:



## Your Chapter Champions:

Committee	Appointed Chair
<a href="#">BYLAWS</a>	Leonard Bernstein, PE, F.NSPE
<a href="#">Budget</a>	Linda Douthwaite, PE
<a href="#">Chapter Fund</a>	Jozef Zurawski, PE
Chapter Activities/Meetings	Joseph Maida, PE
Continuing Education	Joseph Maida, PE
<a href="#">High School Scholarships</a>	Fredric Plotnick, PE
<a href="#">MathCounts</a>	Abraham El
<a href="#">National Engineers' Week Celebrations</a>	Thomas J. Friese, PE
Nominating (immediate past president)	Fredric Plotnick, PE
<a href="#">Outstanding Engineering Achievement</a>	Fredric Plotnick, PE
<a href="#">Publications The Philadelphia Engineer</a>	Fredric Plotnick, PE
<a href="#">Website</a>	Fredric Plotnick, PE

For Committees seeking a Champion and Chair see <http://www.pspe-philly.org/committees/committees.html>

## CONTINUING EDUCATION NEWS

**Get Your Continuing Education Credits NOW for only \$5/PDH**

[Visit our Online PDH Delivery System Now](#)

**Click HERE** or ...

<http://pspe-philly.org/MCECourses/BuyNow-1.htm>

### Some Course Offerings Include:

**Two On Electrical Engineering The National Electrical Code by Joseph Maida, P.E. and Update on Electrical Engineering by Joe McGowan, Ph.D, P.E.**

This Activity is credited for 2 PDH PA NY (120 minutes) Charge for this program is \$10

**Mock Trial - Tips for an Expert Witness Prepared by Hon. John McClellan Marshall and Fredric L. Plotnick, PhD, Esq, PE**

Presented at the Construction CPM Conference 2017 at DisneyWorld FL

This Activity is credited for 3.0 PDH PA (not NY) (150 minutes) Charge for this program is \$15

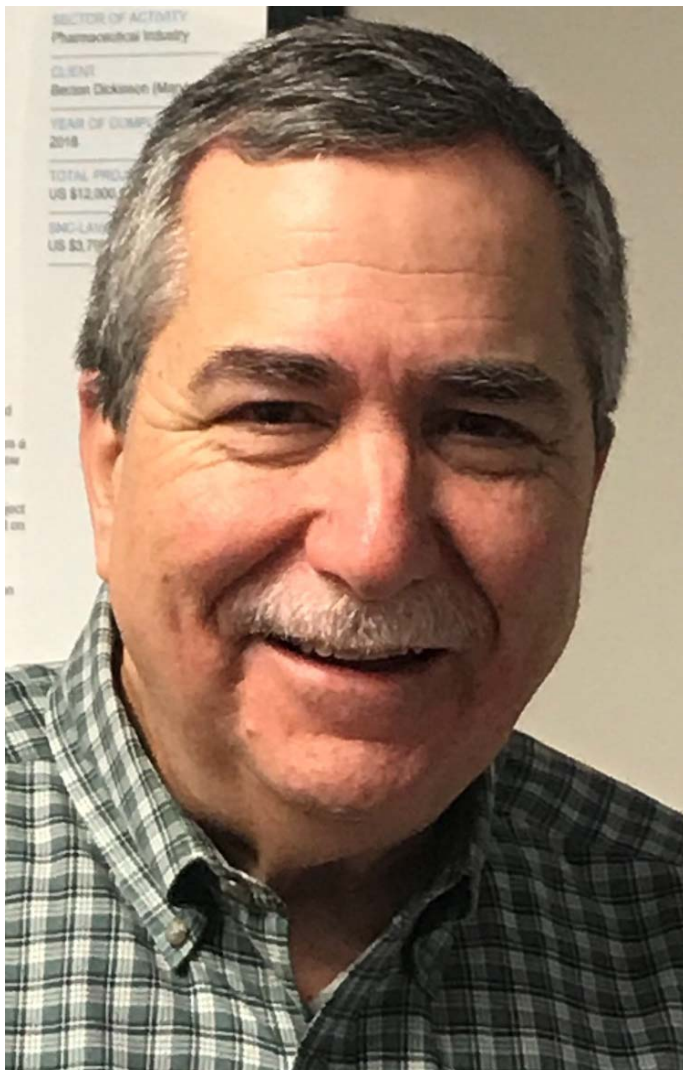
Chapter Committees provide many services to Members, all Engineers and the General Public. We thank current Chairs and Volunteers and ask all Members to consider joining us assist the Chapter, all of PSPE, NSPE, all Registered Professional Engineers and others providing engineering services, and the Public whom we serve.

# President's Message

The Summer is flying by and businesses are evaluating their "return to work" protocols given the effectiveness of the vaccines. Many companies are considering a hybrid model with at least 3 days of "in office" attendance. I hope that many of our Chapter members have availed themselves to the vaccine.

As you know, the Chapter has been hosting monthly courses for years under the capable leadership of Joe Maida. Joe is moving to a more advisory role for these course sessions. I have agreed to fill this important slot for the 2021/2022 activity year. I am looking for other Chapter members to assist me in this effort to identify speakers that have the expertise to deliver a technical presentation that will qualify for PDH certification. This is core work for our Chapter and you are in the workplace where such talent exists and can be integrated into our course program. I'll have more information to share on this important topic in the next newsletter..

Stay safe.  
Chris Fell



## Outstanding Engineering Achievement Program

OEA program not run for 2020 due to the Covid pandemic

Competition for 2021 on 12/2/21

Nominations for 2021 due 11/15/21

- Projects or major component completed in 2021
- Designed built or manufactured in our region
- Judged by Presidents of PSPE NJSPE of region
- Judged on **Innovation shown in Engineering**
- Tie breakers: Highlighting Engineers, Our Region
- More at <http://pspe-philly.org/oea/OEA.html>

### Winners for 2019:

Professional Systems Engineering  
PA Capitol Police Integrated Command Center

Notable: Maida Engineering

Sky Diving Wind Tunnel Power and Drive System

Honorable: Pennoni Associates

Edge Hill Road/Tvson Avenue Improvement Project

Click projects above for PDF of presentation

## 2022 NATIONAL ENGINEERS' WEEK

**BANQUET** Hosted by the Philadelphia Chapter

Saturday - February 26, 2022 - HOLD THE DATE

RETURN to FACE-to-FACE MEETINGS

Chart House Restaurant

555 S Christopher Columbus Blvd Philadelphia, PA 19147

((215) 625-8383 - Free Parking

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

90 Minute Reception before dinner is served  
(with Hot Butlered Hors d'Oeuvres and Cash Bar)  
then a Full Course Dinner and an after dinner Dessert Reception

- [Program and Presentations](#) -

Presentation of Outstanding Engineering Achievement Awards

Presentation of MathCounts and STEM Awards

Keynote on

**"How Engineers Ramp Vaccines from Lab to World"**



# 2021-22 Officers

Chris Fell, PE	President
Thomas Friese, PE	President-Elect
Robert Cargill, PE	Vice President
Fredric L. Plotnick, PE	Past President
Linda Douthwaite, PE	Secretary
Linda Douthwaite, PE	Treasurer
Abraham El	Membership Secretary
Abraham El	State Director, 2024
Thomas Friese, PE	Alt State Director
Yefim Gudesblat, PE	Chapter Director, 2022
Justin Alexander, PE	Chapter Director, 2022
Ed Pluciennik, PE	Chapter Director, 2023
Len Bernstein, PE, F.NSPE	Chapter Director, 2023
Erik Hoet, PE	Chapter Director, 2024
Fredric L. Plotnick, PE	Chapter Director, 2024

\* Directors are 3 year positions completing May year noted

# NSPE President's Message

Dear NSPE member,

For more than four years, many NSPE members have been diligently working to turn talk of diversity, equity, and inclusion into real action. Over these years, NSPE has adopted a professional policy on diversity, established diversity as a key focus area in our strategic plan, and amended the Code of Ethics for Engineers to make antidiscrimination a professional obligation.

In early 2021, NSPE began a dialog about the Engineers' Creed, adopted in 1954, after receiving comments from members who questioned parts of the creed's text as exclusionary. Specifically, those concerns were about the creed's religious connotations and words such as "according to the laws of man." Since those early discussions, the Board of Ethical Review, the Diversity, Equity, and Inclusion Advisory Committee, and members across the Society have provided their input on the issue. We are thankful for the feedback and the thorough and professional manner in which the issue was addressed.

After weighing the many viewpoints, the NSPE Board of Directors unanimously approved the [Engineers' Creed \(2021\)](#) at its July 11, 2021 meeting. This version will be used by NSPE for all events, activities, publications, and communications. The original 1954 Engineers' Creed will be preserved as a historical document.

As described in NSPE professional policies, "It is the policy of NSPE to create a diverse and welcoming environment for everyone interested in the licensed practice of engineering." The NSPE Board of Directors encourages members to take this opportunity for further discussion on a topic that is so important to the profession's future. You may find resources to assist you in having these conversations on NSPE's website at [www.nspe.org/diversity](http://www.nspe.org/diversity).

Sincerely,

Tricia H. Hatley, P.E., F.NSPE, NSPE President 2020-21

## Report from our State Director

Dear Members:

Two Major Conferences are coming soon and you will not want to miss either one!!!

PECON will be virtual again this year and you can still register here: <https://pdh.nspe.org/pe-con-homepage>

From August 3<sup>rd</sup> through August 5<sup>th</sup>, NSPE is offering 14 courses for PDH Credit, opportunities to interact with industry professionals from across the country, and virtual tours of engineering facilities! Don't miss this chance to enjoy PECON21!!!

A little over a month later, it will be time for the **2021 PSPE State Conference**, and the Committee is planning some interesting programming in a new format this year! **The 2021 PSPE State Conference** will be virtual, and will be held over two weeks. Mark your calendars for:

Tuesday, September 14<sup>th</sup> and Wednesday, September 15<sup>th</sup>, 2021

Tuesday, September 21<sup>st</sup> and Wednesday, September 22<sup>nd</sup>, 2021

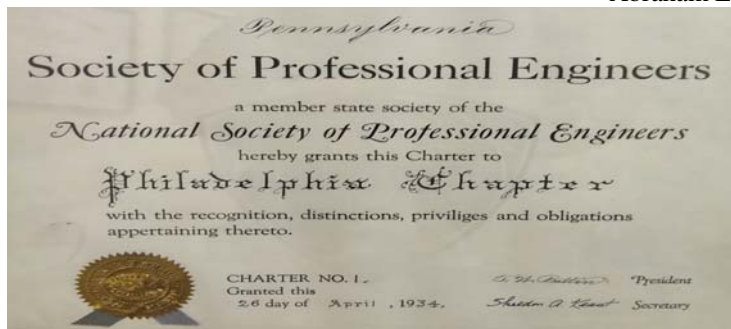
In the coming weeks, registration will open here:

[Pennsylvania Society of Professional Engineers \(pspe.org\)](http://Pennsylvania Society of Professional Engineers (pspe.org))

On each of the four days, there will be opportunities to earn PDH Credits, take part in active discussion groups, and connect with peers. This State Conference will be unlike any other, and I encourage you all to participate!

Be well, stay safe, and I look forward to connecting with you at PECON21 AND the **2021 PSPE State Conference!**

Sincerely,  
Abraham El



### Engineers' Creed (2021)

As a Professional Engineer, I dedicate my professional knowledge to the advancement and betterment of public health, safety, and welfare.

I pledge:

To give the utmost of performance;

To participate in none but honest enterprise;

To live and work according to the highest standards of professional conduct;

To place service before profit, the honor and standing of my profession before personal advantage, and the public welfare above all other considerations.

In humility, I make this pledge.

## Resources from NSPE

Compiled for each State

**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](#)