



The Philadelphia Engineer

Founding Chapter 1934 – September 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

2021-22 Chapter Program

The Pennsylvania Society
of Professional Engineers
Philadelphia Chapter

Monthly Meetings, Tours and Courses

September 9th 2021

Live Tour

(with Covid Safety and Distancing Protocols Maintained)

Schuylkill Banks

It's More than Just a Trail

Join other PSPE members on a walking tour of the Center City section of Schuylkill Banks, a multi-use trail and greenway that is part of the greater Schuylkill River Trail system. Meet on the trail at Walnut Street for a 50-minute walking tour of the trail and learn how it has transformed a desolate landscape into a regional amenity. We'll see a floating dock, an over-water boardwalk and maybe some freight trains on the adjacent CSX rail line. Learn how the restricted access issues were addressed, hear about some unique engineering challenges and see different landscaping solutions implemented on different segments. Lastly, learn about an upcoming project that will close the final trail gap between points north and Bartram's Garden.

Meet On the Schuylkill Banks trail, on the east side of the river, under the Walnut Street Bridge (approximate address: 2501 Walnut Street, 19103).

Tours and Courses will each be accredited for 1.0 Professional Development Hour by the Pennsylvania Society of Professional Engineers through PIE to meet continuing education license requirements in New York State. PSPE believes that both courses will be accepted for credit in PA, NJ and other National Model states where courses do not require pre-approval

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.

Pennsylvania Society of Professional Engineers Philadelphia Chapter 2021-2022 Program

Date	Event - Click Event for Details
Sep.9, 2021	Schuylkill Banks Tour
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. 6, 2022	Tour TBD
Feb. 3, 2022	Live and Virtual Telecast TBD
Feb 5, 2022 MathCounts	Phila Chapter MathCounts Live at Temple University
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

PSPE VIRTUAL CONFERENCE 2021

SAVE THE DATE



SEPT. 14-15 & SEPT. 21-22

NSPE-PA PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS

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

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

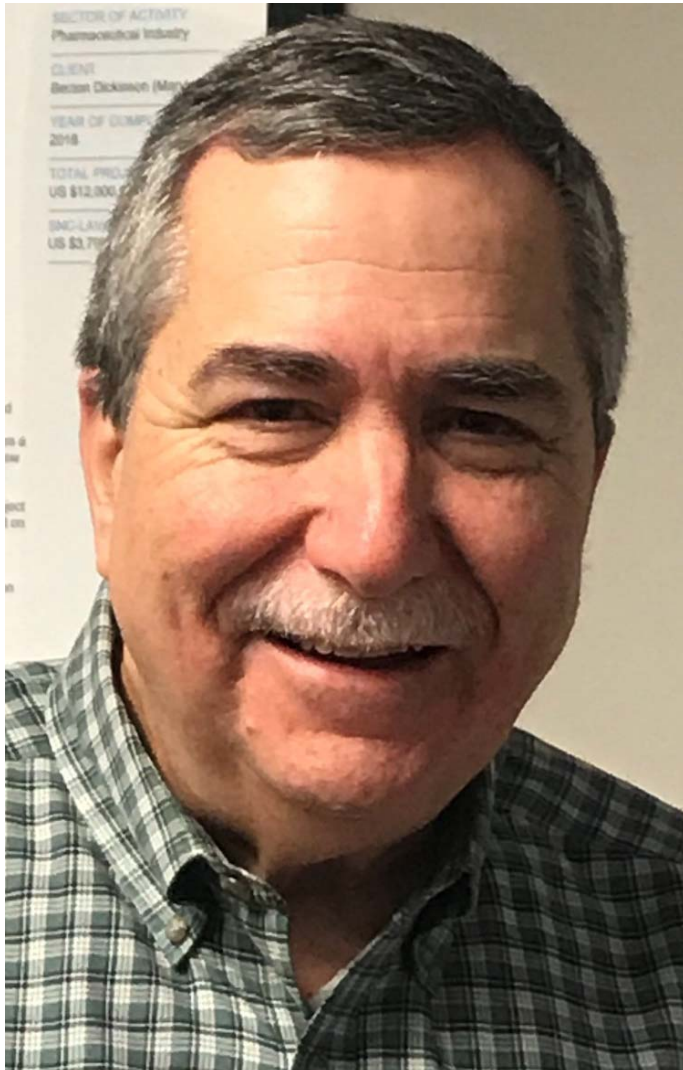
**Mock Trial - Tips for an Expert Witness
Prepared by Hon. John McClellan Marshall and
Fredric L. Plotnick, PhD, Esq, PE
Presented at the Construction CPM Conference
2017 at DisneyWorld FL
This Activity is credited for 3.0 PDH PA (not NY)
(150 minutes) Charge for this program is \$15**

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

We've just experienced historic rainfall and flooding with Hurricane Ida. The banks of the Schuylkill River had a severe impact in areas like Conshohocken and Manayunk. The upcoming tour of the Schuylkill River walking trail is even more significant as we can see first hand **how this design handled this weather event**. Hat's off to the Louisiana Corp of Engineers that led the efforts for the Levee / pumping systems implemented post Katrina....this saved New Orleans with Ida. Another major engineering achievement! Stay well and hope to see you on the 9th! .

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

"How Engineers Ramp Vaccines from Lab to World"

By Mark DeLuca, PE

Consultant to Merck, Johnson and Johnson, and Medimmune
and others to build facilities to make vaccines for Pneumonia, Hepatitis A,
Hepatitis B, Varicella, HPV, Rotavirus, Haemophilus virus, and the Flu



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

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 3rd through August 5th, 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 14th and Wednesday, September 15th, 2021

Tuesday, September 21st and Wednesday, September 22nd, 2021

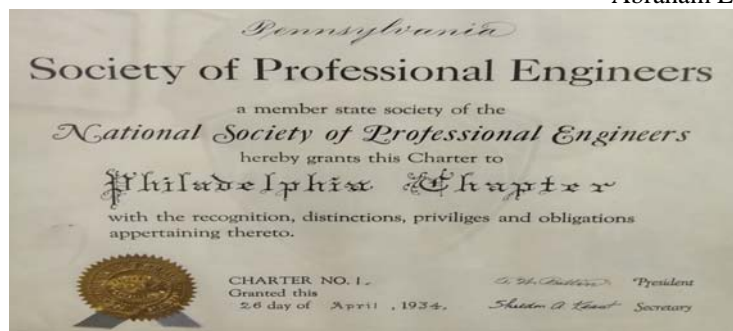
In the coming weeks, registration will open here:

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



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.

Sincerely,

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

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](#)