



The Philadelphia Engineer

Founding Chapter 1934 – April 2021 issue No. 2

2020-21 Chapter Program

The Pennsylvania Society
of Professional Engineers
Philadelphia Chapter

Monthly Dinner Meeting and Courses

April 1st 2021

Online Presentation 7:00 PM to 8:00 PM

The ZOOM address for attending the course will be sent to the registered attendee at the email address you provide to Paypal. Certificates will be sent to the registered attendee after the attendee completes and returns the course evaluation form and properly answering participation questions. These are asked and answered by the presenter at various times during the course. The course slides will "not" include the participation questions. Questions may be True/false or multiple choice. For more information click [HERE](#).

TECHNOLOGY AND TRENDS IN VEHICLE AUTOMATION

Presented by Stan Caldwell
Carnegie Mellon University Mobility21
National University Transportation Center

Click www.PSPE-Philly.org for Reservations

Philadelphia Chapter Program 2020-21

Our program for 2020-21 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 2020-2021 Program

Date	Event - Click Event for Details
Sep.10, 2020	Geotechnical Engineering for Foundations at Navy Yard
Sep 24-25 '20	PSPE State Conference Virtual
Oct. 1, 2020	Helical Piles
Nov. 5, 2020	IIoT (Industrial Internet of Things)
Dec. 3, 2020	New Methods for Electrical Safety
Jan. 7, 2021	Marijuana Grow Room HVAC
Feb. 4, 2021	Combined Heat and Power Basic Design
Feb 6, 2021	Phila Chapter MathCounts
MathCounts	New Virtual Format
Mar 4, 2021	LARGE UPS OPERATION
Apr 1, 2021	TECHNOLOGY AND TRENDS IN VEHICLE AUTOMATION
May 6, 2021	Annual Meeting & Officers Installed
Aug 11-15, 2021	PSPE State Conference and NSPE Conference in Philadelphia
Sep 23-24 '21	PhillyChapter Education BootCamp

Outstanding Engineering Achievement Program

OEA program not run for 2020
due to the Covid pandemic

Winners for 2019:

Professional Systems Engineering
Pennsylvania 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

Join us for #PECON21 in



Philadelphia August 2021



Call for Nominations

Pursuant to Bylaw 12, Section 6, Nominees for Officers and our Board, as provided by the Nominations Committee (or by petition) are provided below:

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 EI	Membership Secretary
Abraham EI	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

BYLAW 12 -- NOMINATION AND ELECTION OF OFFICERS AND DIRECTORS

SECTION 9. A vacancy in the office of Vice President, Secretary, Treasurer, Membership Secretary, State Director, Alternate State Director, or of a Chapter Director shall be filled by elective appointment of the Board. Officers or Directors so appointed shall hold office only for the unexpired term of the office vacated. Such tenure shall not preclude nomination for this office at the next election.

Interested individuals may contact president@pspe-philly.org

The Philadelphia Chapter is looking for a Few Good Engineers to lead our Chapter for the 2021-22 chapter year and beyond. **President Chris Fell** will continue so to enjoy a full non-Covid year and seeks Members who desire to join him in leading our Chapter.

MATHCOUNTS

MathCounts for 2021 will be virtual

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: MAR 25th 7pm State Competition

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 EI

O: 215-254-7778 | M: 215-796-5261 | AEI@Pennoni.com

To Donate to Mathcounts:



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 serve the Chapter and the Public.

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 EI
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>



MATHCOUNTS 2020 Winners

Top Teams:

First Place: Julia Reynolds Masterman

- Coach: Chris Taranta

Second Place: Germantown Friends School

- Coach: Catherine Jones

Third Place: Springside Chestnut Hill Academy Boys

- Coach: Andrew Wolf

Top Individuals:

1st: Sivan Frankel, Julia Reynolds Masterman

2nd: Michael Huang, Julia Reynolds Masterman

3rd: Chris Ji, Julia Reynolds Masterman

4th: Alvin Pan, Julia Reynolds Masterman

5th: Tomas Falleti-Moore, Julia Reynolds Masterman

6th: Yehuda Mahlab, Julia Reynolds Masterman

7th: Cathy Liu, Germantown Friends School

8th: August Russell, Julia Reynolds Masterman

9th: Arjun Goswani, Springside Chestnut Hill Academy

10th: Sasha Manovski, Germantown Friends School

**Thank you to our Chapter MathCounts Team
Alex Sopin - Pedro Pinto - Abraham EI
and all volunteers and coaches**

To volunteer or for more information contact Abraham EI

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President's Message

I'd like to thank all Chapter members (as well as interested parties) for the continued support of the monthly PSPE Philly Chapter webinar courses. The last event had 27 participants. This is a clear indicator of the "value add" the Chapter is making to the Engineering community in the Greater Philadelphia area. We will be wrapping up the last session for our calendar year in April – it will be a great finish to this webinar series.

With the recent announcement of the J&J vaccine approval and immediate distribution, there is a sense of optimism that we should see much improvement over the next few months. The Chapter has been hesitant to outline a number of standing initiatives. As the number of vaccines increase, the Chapter will focus on what makes sense to activate come Fall 2021. We will always err on the side of caution but look forward to more face to face sessions and direct interaction.

There are a number of vacancies in the Chapter that need to be filled. Chapter members are encouraged to getting more involved in these key leadership slots.

Stay safe.
Chris Fell



CONTINUING EDUCATION NEWS

Get Your Continuing Education Credits NOW

PSPE Philadelphia is providing **ONLINE Credits** for only **\$5/PDH**

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

[Click HERE](#) or ...

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

WELCOME TO PSPE-PHILLY CONTINUING EDUCATION OVER THE INTERNET IMPORTANT NOTES:

You may purchase viewing and confirmation of viewing rights for a period of 60 days by clicking one of the courses below. After viewing the video lecture, you will be asked three multiple choice questions. Upon successfully answering the three questions, you will be provided a certificate to download, and an app to have PSPE Philadelphia send you an email confirming your having taken this course.

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 (120 minutes) Charge for this program is \$10

Mock Trial - Tips for an Expert Witness
Prepared by Hon. John Marshall and Fredric L. Plotnick, PhD, Esq, PE
Presented at Construction CPM Conference 2017 at DisneyWorld FL
This Activity is credited for 3.0 PDH (150 minutes) Charge for this program is \$15