



2018



DELAWARE VALLEY ENGINEERS WEEK

FEBRUARY 16-24, 2018

JOIN US FOR THIS YEAR'S ENGINEERS WEEK EVENTS

2018 DELAWARE VALLEY ENGINEER OF THE YEAR DEBORAH L. GRUBBE, PE

Deborah Grubbe is Owner and President of Operations and Safety Solutions, LLC, a consultancy that specializes in the enhancement of return from both hard and soft assets. Her client list includes multinational firms in the chemical, oil and gas, construction and aerospace industries. She is a former Vice President of Group Safety for BP PLC and was trained in the characteristics of safe and reduced risk operations during her 27-year career at DuPont, where she held corporate director positions in engineering, operations and safety. In her 17 different assignments at DuPont, she was involved in capital governance, project management and execution, process safety implementation, strategic safety assessments, manufacturing management, organizational change leadership and human resources.



Currently, Deborah advises and supports two start-up companies, Near-Miss Management, LLC, in Philadelphia, and PetroMall, Ltd., in London. Both are actively engaged with the support of improved safety and reliability in upstream and downstream oil and gas. She works with multinationals and global clients in Canada, India, Qatar, Egypt, Malaysia and Singapore.

Deborah has been featured in a number of books and has authored a number of articles in Chemical

Engineering Progress and PE Magazine. She has co-authored a series of three interactive eBooks on process safety and risk reduction, occupational and process safety for college freshmen and an all-discipline eBook on Ethics – An Engineers' Professional Responsibility.

Despite her busy schedule, Deborah finds time to be active in her community. She is a former President and Board Member of the Chesapeake Bay Girl Scout Council and a past Board Member of the YWCA of Delaware. At present, she serves as a Board member and Development Director of Girls Incorporated of Delaware, which supports minority and underserved girls' interests in the STEM fields. She was the first woman and youngest elected member on the State of Delaware Registration Board for Professional Engineers (DAPE). She is an active member of the American Institute of Chemical Engineers, the American Society of Safety Engineers, the National Society of Professional Engineers, and the Society of Women Engineers, where she has mentored many younger engineers.

Throughout her career, Deborah has been recognized for her efforts with several awards, including the 1987 Trailblazer Award from the Delaware Alliance of Professional Women, the Purdue School of Chemical Engineering Outstanding Chemical Engineer Award in 1994, and the Purdue Distinguished Engineering Alumni Award in 2002. That same year she was cited as the Engineer of the Year in the State of Delaware as well. In 2010 she was awarded an Honorary Doctorate in Engineering from Purdue University for her work in improving safety in the global process industries, and for her leadership role in diversifying the Purdue faculty. In 2013, she was elected to the National Academy of Construction, where she currently chairs its Safety Committee.

Deborah was born in suburban Chicago and obtained her Bachelor of Science degree in Chemical Engineering from Purdue University, followed by a Certificate of Post-Graduate Study in Chemical Engineering from Cambridge University. She is a registered professional engineer in Delaware, and a Chartered Engineer in the United Kingdom. She is a Fellow in both AIChE and the Institution of Chemical Engineers in the United Kingdom. She and her husband, James B. Porter, Jr., reside in Chadds Ford.

2018 DELAWARE VALLEY YOUNG ENGINEER OF THE YEAR ALEXA EGAN HARPER, PE, ENV SP

Born in New Jersey, **Alexa Harper** was raised by her mother after losing her father at a young age. She is grateful to both her mother and older sister for helping to mold her into the hardworking and determined woman that she is today. In fact, her upbringing has helped to shape her passion for community service and professional growth.

A love for physics and math led Alexa to attend Carnegie Mellon University in 2002. After switching majors four times, she decided on an engineering career path, and joined the CMU civil engineering department during her sophomore year. Appreciative of her numerous scholarships, grants, and generous family support during her time at college, she worked diligently to make the most of her college experience.



During her four years at CMU, Alexa held a work-study job and was active in the Society of Women Engineers college chapter and the University's sustainability community. During the summer months, she interned at two engineering consulting firms. Adeptly handling a heavy course load combined with on-campus involvement and career development initiatives, she received her Bachelor's degree in Civil Engineering with honors in 2006. Seven months later, she earned her Masters degree in Civil Engineering.

Today, Alexa holds professional engineering licensure in Pennsylvania and New Jersey and is an Envision Sustainability Professional in the Institute for Sustainable Infrastructure. A member of both the Women's Transportation Seminar and the American Society of Highway Engineers, she currently serves the latter's Delaware Valley Section as Second Vice President and has held several committee and Board positions over the past five years. She started the ASHE Younger Members Committee in 2012 to increase Section involvement through social networking and community service.

A senior project engineer in Gannett Fleming's highway department, Alexa's primary project has been the I-95/Pennsylvania Turnpike Interchange in Bucks County. She is also an integral member of a team handling a bridge project management contract for several township- and county-owned bridges in the Philadelphia area. She held highway engineering positions at two consulting firms prior to her employment at Gannett.

During the past five years, Alexa has organized community service events at Valley Forge National Park, clothing drives to benefit local charities, and professional society networking functions. Continuing to balance community involvement with family commitments, she lives in Royersford with her husband, Rick, and two young sons.



Philadelphia
Engineering Foundation

Promoting Engineering's Future

CELEBRATING INNOVATION AND ENGINEERING SOLUTIONS

KICKOFF LUNCHEON FRIDAY, FEBRUARY 16

Sofitel
120 S. 17th Street (at Sansom Street), Center City
11:30 AM Networking
12:00 Noon to 1:30 PM Lunch and Professional Awards

2018 Engineers Week in the Delaware Valley kicks off with the Luncheon in the spacious and elegant ballroom at Sofitel.

Formal festivities will begin with networking, featuring a cash bar, at 11:30 AM.

The 2018 Engineer of the Year, **Deborah Grubbe**, will be formally introduced at the Luncheon. Ms. Grubbe and the 2018 Young Engineer of the Year, **Alexa Egan Harper**, will make brief remarks and kick off the celebration of Engineers Week in the Delaware Valley.

We will recognize award recipients who have been honored in the past year by the various engineering and technical societies in the Delaware Valley in the event PowerPoint and program.

The Outstanding Engineering Achievement award winners, selected by the local Chapters of the Pennsylvania Society of Professional Engineers, will be recognized.

Tables of 10 can be reserved.

Price - \$70 for reservations received on or before February 9 (\$50 for government agency employees).

YOUNG ENGINEERS SOCIAL TUESDAY, FEBRUARY 20

U-Bahn
1320 Chestnut Street, Center City
6:00 PM to 9:00 PM

This event is geared specifically to young engineers (both in age and at heart) to socialize, catch up, network and enjoy finger foods and drinks in an informal setting.

As part of the evening's festivities, **Alexa Egan Harper**, the 2018 Delaware Valley Young Engineer of the Year, will be recognized and make brief remarks.

Price - \$35 for reservations received on or before February 9 (\$20 for students).

AWARDS RECEPTION/STUDENT SHOWCASE THURSDAY, FEBRUARY 22

IATSE Ballroom
2401 S. Swanson Street, South Philadelphia
5:00 PM to 6:00 PM Student Showcase
6:00 PM to 8:00 PM Networking, Dinner, Awards

The concluding event of Delaware Valley Engineers Week will be the Awards Reception, consisting of an evening of socializing and honoring this year's award recipients.

The evening will begin with a Student Showcase hour which will feature and highlight the recipients of our Student and Teacher awards and allow them to interact with guests. Awardees will be formally recognized following dinner.

The Future City Competition regional winners will be featured with their working model.

A networking and cocktail hour will begin at 6:00 PM, followed by a buffet dinner.

The Engineer of the Year and Young Engineer of the Year will provide brief remarks.

Recipients of Engineers Week Student Scholarships and awards for Student Paper Competition, Outstanding High School Students, Delaware Valley Science Fairs, and Outstanding High School Teachers will be featured and cited.

Price - \$75 for reservations received on or before February 9 (\$50 for government agency employees and students).

RESERVATION FORM

Name _____
Organization _____
Street _____
City/State/Zip _____
Phone _____
E-mail _____

	Kickoff Luncheon Friday, February 16	Young Engineers Social Tuesday, February 20	Awards Reception/ Student Showcase Thursday, February 22
Regular rate reservations (RSVP thru February 9)	..... @ \$70 = \$.....	..... @ \$35 = \$.....	..... @ \$75 = \$.....
Reduced rate reservations (RSVP thru February 9)	..... @ \$50 (government) = \$.....	..... @ \$20 (student) = \$.....	..... @ \$50 (govt/ student) = \$.....
Late reservations (RSVP February 10 and after)	..... @ \$80 = \$.....	..... @ \$40 = \$.....	..... @ \$85 = \$.....
Late reduced rate reservations (RSVP February 10 and after)	..... @ \$60 (government) = \$.....	..... @ \$25 (student) = \$.....	..... @ \$60 (govt/ student) = \$.....

Total amount enclosed \$.....

Please indicate menu selection(s) for the Luncheon:

..... Salmon filet
..... Chicken breast
..... Vegetarian

Make checks payable to
Engineers' Club of Philadelphia

Please copy, complete and return this page with your payment to
Engineers' Club of Philadelphia
PO Box 38561
Philadelphia, PA 19104

Reservations can be made online at
engrclub.org/to/DVEW
Please direct questions to contact@engrclub.org.

Payment will be expected for all reservations regardless of attendance.

Please visit **dvewc.org** for more information on award recipients, events, directions and parking.

Please provide names for all attendees at least two days prior to the event. Pre-printed name tags will be available at the event registration tables.

Contributions to Engineers Week are accepted and appreciated. Various levels of sponsorship are available. Please visit dvewc.org for more information and our sponsorship brochure.