



# STRUCTURAL ENGINEERS ASSOCIATION OF PENNSYLVANIA



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## PRESIDENTS MESSAGE

Winter is Coming! I know, bad start. Who said engineers have good jokes? I would like to start by thanking Steve Krumenacker for doing a wonderful job leading SEAoP as President for the last two years. He helped get the SEAoP newsletter up and running and led the organization through two successful statewide conferences

among many other obligations. Without great volunteers, we wouldn't be able to make any of these things happen.

Growing the membership of SEAoP is still a strong objective for the organization. The board and I are working on a 5 year plan to boost membership numbers in our Western Chapter and across the state. (Continued on [page 3](#))



## 6th Annual State Conference

On June 7, 2018, SEAoP hosted its [6th Annual Structural Engineering Conference](#) in State College, Pennsylvania. This year's conference had the highest attendance in recent years. On Wednesday, June 5th,

attendees were invited to a behind the scenes tour of Beaver stadium as well as to a follow up presentation of it's storied history presented by Dr. Harry West. (Continued on [page 2](#))

## Are you....

..Interested in becoming a member? Read more about our

[Chapters](#) on [Page 5](#).

..Already a member but want to become more involved? Read about our [Committees](#) on [Pages 8 and 9](#).





## 6th Annual State Conference (Continued)

### STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA

#### 6th Annual State Conference Continued....

Thursday June 7th was a day full of interesting and informative presentations and seminars on a variety of topics relating to structural engineering. In addition, attendees had valuable opportunities to meet with their peers from across the state of Pennsylvania, as well as the ability to interact with exhibitors representing leaders in industry recognized services, manufacturers and software companies.

All attendees had the ability to earn up to 6 Professional Development Hours (PDH's) through the offering of the many fine presentations listed below:

#### **Engineering Iron and Stone**

Presented by Thomas E. Boothby, Ph.D, P.E., R.A., F.A.S.C.E., The Pennsylvania State University

#### **Real time 3D Model Review**

Presented by Douglas Fitzpatrick, P.E., President, Fitzpatrick Engineering Group, PLLC and James Stever, President, Virtual Steel Technologies, Inc.

#### **Introduction to the New AISC Specification, AISC 360-16**

Presented by Louis F. Geschwindner, Ph.D., P.E., Providence Engineering Corporation

#### **Letting Go of the Effective Length Method in Steel Design**

Presented by Linda M. Hanagan, Ph.D, P.E., The Pennsylvania State University

#### **DES602 – Tall Wood Structures: Fire Resistance Design Primer for Mass Timber Construction**

Presented by Matthew Hunter, B.C.O., Northeast Regional Manager, American Wood Council

#### **Legal Issues for Construction Administration**

Presented by Anthony S. Potter, Esq., Powell Trachtman, P.C.

Plans for the 2019 annual conference are underway. The conference will be held in the Philadelphia area this year and we are looking forward to another successful and valuable day of professional development and networking opportunities. Please look for the 2019 conference updates in the coming months. We look forward to seeing you there in 2019!



# Presidents Message (Continued)

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA

### Presidents Message Continued....

The Eastern Chapter (DVASE) is very well established, as you all know and we want to work to share some resources to bring new events to the Pittsburgh area by looking into webcasting breakfast seminars and sharing our speakers/presenters with them.

Sharing resources is a fundamental value we as structural engineers can provide to one another. Sharing resources, knowledge, advice, help, and time to colleagues is something I strive to do on a daily basis and I see many of my peers doing the same. I have been volunteering in DVASE and SEAoP for over 18 years and the commitment we have to each other and these organizations is a great thing to see. We will continue to make them grow and thrive moving forward. As this year's President I look forward to see how we all can help SEAoP grow with our combined knowledge and resources.

As a final note, the SEAoP board has started to plan the annual conference for June 2019. The conference is headed back to the Philadelphia area this year. We look forward to your participation and watch for a save the date and slate of speakers soon.

Jonathan Memmel  
SEAoP President  
2018-2019  
[jmemmel@ewingcole.com](mailto:jmemmel@ewingcole.com)

### Pennsylvania Uniform Construction Codes Update

As of October 1, 2018, the state of Pennsylvania has adopted the 2015 Uniform construction Codes. The following excerpts from the Pennsylvania State Department of Labor and Industry (DLI) website briefly outline what has taken place. Please visit the [DLI website](#) for a full explanation of the code adoption, administration, enforcement and exceptions.

"Pennsylvania's statewide building code, generally known as the Uniform Construction Code (UCC). Enforcement of the UCC began in April 2004."

"**New:** [Act 35 of 2017](#) and [Act 36 of 2017](#) went into effect October 25, 2017. These acts amend the Pennsylvania Construction Code Act. Please go to "Regulations and Statutes" for further information."

"The codes applicable to work for which a construction permit is sought on or after October 1, 2018, are the 2015 International Codes issued by the International Code Council (ICC), and the provisions amended by the UCC Review & Advisory Council (RAC). Only these codes as first published and their errata are applicable in Pennsylvania. For further information about the codes and standards adopted, click on the UCC Codes button."

"Over 90% of Pennsylvania's 2,562 municipalities have elected to administer and enforce the UCC locally, using their own employees or via certified third party agencies (private code enforcement agencies) that they have retained. In these municipalities, the Department has no code enforcement authority, except where the municipality lacks the services of a person certified as an "Accessibility Inspector/Plans Examiner."

"If a municipality has "OPTED-OUT," the Department is responsible for all commercial code enforcement in that municipality. The Department also has sole jurisdiction for all elevators and all state-owned buildings, no matter where they are located."



# Presidents Message (Continued)

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA

### Pennsylvania SEER Committee Update

On August 21, 2018 PEMA made a request to PA-SEER to support preliminary damage assessments in Bradford County as a result of significant flash flooding which occurred on August 13-14. This was the second significant flooding event with two months to impact this area. An activation of the PA-SEER database occurred, with several individuals interested. However, PEMA's request was slightly unusual, in that the volunteers need to attend the 10am meeting at the Bradford County Emergency Operations Center (EOC) the following morning. In the end three individuals volunteered for deployment. They spent two days in Bradford County assisting the local Authority Having Jurisdiction (AHJ). This was the first activation of the system.

ICC and NCSEA have joined forces. NCSEA's second responder website is no longer available online. The two organizations formed the Disaster Response Alliance (DRA) ([www.disasterresponse.org](http://www.disasterresponse.org)). Members will be directed to the new website. The first time you log on you will be asked to agree to a few terms and condition statements. If you are interested in volunteering to assist in damage assessment after a disaster, please go to the website and register.

In October 2018, The President signed into law the Disaster Recovery Reform Act of 2018 (DRRA) as part of the FAA Reauthorization Act of 2018. The DRRA reportedly will transform the field of Emergency Management. However, the DRRA also directly impacts the efforts of NCSEA-SEER and PA-SEER, by requiring FEMA to work with Engineers and Architects to develop guidance and best practices for post-disaster building assessment. Several members of the NCSEA-SEER Committee as well as the PA-SEER committee are working directly with FEMA to develop these documents.

David Daniels, PE

PA-SEER Committee Chair

NCSEA SEER Committee Northeast Representative

[ddaniels@danielsengineers.com](mailto:ddaniels@danielsengineers.com)

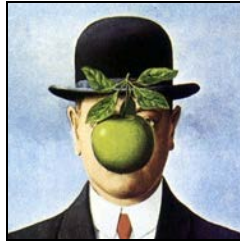


# BOARD of DIRECTORS

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA



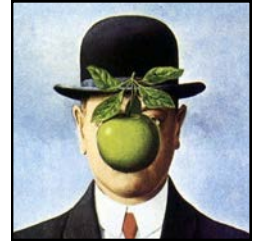
**President**  
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Open Board Position



**Treasurer**  
David Daniels, PE  
Daniels Consulting Engineers  
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**SECRETARY**  
Open Board Position



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**Board Member**  
William Gillespie, PE \*  
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David Eckrote, PE \*  
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**DVASE Liaison**  
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**SEAoWP Liaison**  
Andrew Verrengia, PE  
Atlantic Engineering Services  
[a.verrengia@aespi.com](mailto:a.verrengia@aespi.com)



**Executive Director**  
Patty Barr Russo  
Jane Barr Horstman & Assoc.  
[pattyus-](mailto:pattyus-)

\* Indicates past SEAoP president

### We Want to Hear from YOU!

The SEAoP Board of Directors is interested in hearing your suggestions, comments, and ideas.

Please feel free to contact a member of the BOD at any time.





# CHAPTERS

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA



### SEAoWP President

Joseph Cortese Jr, PE  
Hilti North America  
[Joseph.Cortese@hilti.com](mailto:Joseph.Cortese@hilti.com)

[WWW.SEAOWP.ORG](http://WWW.SEAOWP.ORG)

### SEAoWP: Structural Engineers Association of Western PA

SEAoWP recently welcomed a new treasurer, Carrie Rosario. Carrie has been a member of SEAoWP from the beginning, and was active in the southern California chapter of SEA before moving to Pennsylvania. We are happy to have her on board. Carrie took over the reigns from Dirk Taylor in May. The SEAoWP board would like to thank Dirk for his service as our first treasurer. Dirk was crucial to the launch and early success of the chapter. We would also like to extend our thanks to Patty Koval, who was, and continues to be, a tremendous help to the organization.

Since our last update, SEAoWP hosted David Fortin from Hilti in April, who presented on Façade Anchoring Systems and Design before a summer hiatus. The SEAoWP is looking forward to several events in the fall and is currently in the planning stages for them.

We encourage anyone interested in joining or learning more to visit our web site, [www.seaowp.org](http://www.seaowp.org). Or contact us at [seaowp@gmail.com](mailto:seaowp@gmail.com)



### DVASE President

Tony Varano, PE, SE  
J&M Preservation Studio  
[TonyV@mabeachassoc.com](mailto:TonyV@mabeachassoc.com)

[WWW.DVASE.ORG](http://WWW.DVASE.ORG)

### DVASE: Delaware Valley Association of Structural Engineers

On September 14, 2018 DVASE held their 18<sup>th</sup> annual golf outing at JC Melrose Country Club in Cheltenham PA. We would like to thank the 67 golfers who attended the outing and the companies that sponsored the outing.

The first DVASE breakfast seminar of the season was held on October 10<sup>th</sup> at the Bala Golf Club. Clifford Schwinger, P.E. of the Harman Group presented "Kinked Connections – What Are They and Why Should I Care?" The second breakfast seminar was hosted by the International Masonry Institute on November 13<sup>th</sup> at the Center for Architecture and Design in Philadelphia. Scott Walkowicz, P.E. of Walkowicz Consulting Engineers presented on masonry structural design opportunities with the 2018 IBC. mentoring relationships.

(continued on [Page 6](#))

## MEMBERSHIP

DVASE and SEAoWP are chapters of SEAoP. SEAoP is a Member Organizations of the **National Council of Structural Engineers Association (NCSEA)**.

By becoming a member of DVASE or SEAoWP, you also become a member of SEAoP and NCSEA.

Included with your membership you receive:

- Monthly Subscriptions to **STRUCTURE** Magazine and **Structural Connection** e-newsletter
- Access to 180+ Live and Recorded NCSEA Webinars which are CE approved in 50 states
- Access to the NCSEA member portal, online communities, and much more.....



# CHAPTERS

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA



### DVASE: Delaware Valley Association of Structural Engineers (continued)

Additional seminar presentations planned for this season include topics such as FRP-strengthening of concrete, active fall protection and understanding and interpreting geotechnical reports. Our season will conclude with the annual awards dinner and presentation in May.

The DVASE Young Member Group (YMG) held their first social event on June 27<sup>th</sup> at Yards Brewing Company in Philadelphia, PA. Young Engineers from member firms gathered and enjoyed an evening of drinks, appetizers and socializing. The YMG also coordinated a construction tour through the ongoing redevelopment and renovation of the Gallery Mall in Market East, rebranded as, "The Fashion District Philadelphia". YMG is a great medium for young structural engineers to meet, advise, network, and grow together. To learn more about the YMG visit the DVASE website [DVASE.org](http://DVASE.org).

DVASE is pleased to announce its newest committee, WiSE, which stands for Women in Structural Engineering. There are five other WiSE committees nationally, and we are excited to add Philadelphia to the list. The goal of DVASE WiSE is to foster greater success and further the interest of women structural engineers by promoting networking events, endorsing outreach, and building

Please note that you do not have to be a member of DVASE or a woman to participate with WiSE. WiSE is open to anyone that is interested in supporting and retaining women in the structural engineering industry. We encourage you to invite your colleagues, classmates, and anyone you think would benefit from participating with this committee.

WiSE had their inaugural meeting on September 6, 2018 and established leadership positions for the Chair, Records Keeper, Events Chair, Community Outreach Chair, Mentorship Coordinator, and Book Club Coordinator. The first WiSE social event was held on September 26<sup>th</sup> at Keen Restaurant in Philadelphia. WiSE is having their first building construction tour at the Philadelphia Museum of Art on November 28. WiSE launched a Book Club and a social event will be held in late January to discuss their first selected book.

If you are interested in WiSE and would like to get involved, please contact [dvase.wise.chair@gmail.com](mailto:dvase.wise.chair@gmail.com). Events and information are posted on the WiSE committee page [here](#).

Visit the DVASE website [DVASE.org](http://DVASE.org) or visit the YMG committee page [here](#).



## MEMBERSHIP

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# COMMITTEES

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA

### Committees

The following pages list and describe the active committees at the state level in SEAoP. Please Contact the committee chairs to inquire about becoming involved or just learn more about what the committee is working on and what are their goals.



#### CHAIR

Steve Krumenacker, PE  
MacIntosh Engineering  
[skrumenacker@macintosheng.com](mailto:skrumenacker@macintosheng.com)

### Annual Statewide Conference Committee

The Annual Statewide Conference Committee plans the spring conference: contacts sponsors and exhibitors; recruits speakers; markets the conference to structural engineers and SEAoP chapters; compiles materials; and confirms all arrangements for a successful conference.



#### CHAIR

William Gillespie, PE  
Jacobs Engineering Group  
[william.gillespie@jacobs.com](mailto:william.gillespie@jacobs.com)

### Continuing Education

This committee monitors Continuing Education requirements established by the Commonwealth of Pennsylvania in an effort to assure that such requirements are practical, relevant, serve the intended purpose of maintaining professional competence for Structural Engineers and can be readily satisfied by Structural Engineers through reasonable efforts.



#### CHAIR

Kirk Harman, PE, SE  
The Harman Group  
[khorman@harmangroup.com](mailto:khorman@harmangroup.com)

### Legislation / Structural Licensing

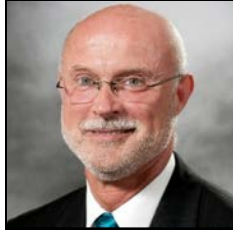
This committee monitors legislation before the Pennsylvania House and Senate to assess the impact on the Structural Engineering community. This includes issues of professional and personal liability, tort reform and the practice of Structural Engineering.





# COMMITTEES

## STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA



### CHAIR

Rich Roberts, PE  
Pennoni Associates  
[rroberts@pennoni.com](mailto:rroberts@pennoni.com)

### Membership and Chapter Development

This committee works to develop new chapters and attract new members throughout the Commonwealth by assisting individuals and groups of Structural Engineers who are interested in benefits offered by SEAoP and NCSEA



### CHAIR

Dan Wertz, PE  
Mainstay Engineering Group  
[dwertz@megr.com](mailto:dwertz@megr.com)

### Newsletter

This is a newly created committee which will prepare the quarterly newsletter. This committee is actively searching for new members and content for the newsletter. If you are interested in joining the committee or preparing an article, please contact us.



### CHAIR

David Daniels, PE  
Daniels Consulting Engineers  
[ddaniels@danielsengineers.com](mailto:ddaniels@danielsengineers.com)

### Structural Engineers Emergency Response (SEER) Committee

This committee is developing a statewide program for the rapid mobilization of volunteers to provide post-disaster safety evaluations. In collaboration with the Pennsylvania Emergency Management Agency (PEMA) and our colleagues with AIA-PA, PSPE and other organizations, we aim to have a reserve corps of trained individuals to evaluate all safety related aspects of damaged structures.

If you are interested in volunteering for this important effort, please sign up at:  
[www.ncsea-seer.com](http://www.ncsea-seer.com)



## UPCOMING EVENTS....

### STRUCTURAL ENGINEERS ASSOCIATION of PENNSYLVANIA

**DVASE:**      [Jan 09, 2019 Breakfast Seminar](#)—Active Fall Protection by Ryan Firksker, PE

**Feb 12, 2019 Breakfast Seminar**—Geotechnical Considerations for Structural Engineers by Shana Carroll, PE

**May 2019 - Annual May Dinner and Awards** - Annual end of year membership dinner and presentation of the DVASE Excellence in Structural Engineering Awards – The Racquet Club of Philadelphia

**SEAoWP**      [EVENTS](#) - See our website for upcoming and past events.

**SEAoP**      **June 2019 Annual Statewide Conference**- 7th Annual Statewide Conference - Philadelphia Area. Please look for conference updates in the upcoming newsletter.

**NCSEA**      [EVENTS](#) - See our website for upcoming and past events.