



## President's Message // Brently Johnson, PE, F.NSPE, F.TSPE

When my niece, Alexis was just a young toddler, we were teaching her the sounds that farm animals make. This really was not hard since we lived on a farm therefore she had learned how the cow, chickens, pigs, ducks, donkeys etc. sounded at a fairly young age. Once while she was running and playing in a sparsely filled plain block building with few furnishings, my sister was enthusiastically saying "duck Lexi duck," Alexis answered "quack, quack". The next thing that we know, Alexis is lying on the floor having been knocked on her rear end after ramming her head into a table that was just a little bit shorter than she was tall.

As engineers, many of us were created from similar molds. We are very focused on the calculations, specification and drawings required to construct a great project. However, what we are not so good at sometimes is expanding our focus to encompass other issues that make engineering a great profession.

I write this article today to let you know that if we are not careful we will be "quacking" away producing the best plans imaginable, yet we could get knocked in the head and placed on our rear end unless we take a broader perspective. This is not meant to sound the alarm necessarily because Kasey Anderson and staff do a tremendous job of watching for this in our state. However, I will confirm that this is a call to be vigilant.

Nationally, there is a movement away from licensure in general and, believe it or not, engineering licenses are in that discussion. These are well funded movements with wealthy supporters like the Koch brothers.

Many years ago, I recall hearing one of my environmental professors commenting that engineers have saved more lives, by far, than doctors. He was referring to times long ago, when not having clean water or an effective method of managing waste took lives at alarming rates in densely populated areas. Even as late as the civil war, I read about the dysentery that would claim the lives of soldiers due to the unsanitary conditions of the encampments.

With this evidence of engineers' impact on society, why do we need a session on threats to our profession at the NSPE annual meeting? The anti-licensure groups seem to have two major points. One, it will put more people to work if they do not have to have a license (i.e. meet any qualification requirements) and two, the issues created by unlicensed practitioners can be resolved by the courts. In the mind of this engineer, that is asinine.

Although most everyone hires a doctor or lawyer on occasion, unfortunately, the typical taxpayer does not hire an engineer directly and their perception of our work is not one that they know from personal experience. Therefore, we could easily be lumped in with folks who do not protect the health, safety and welfare of the public from barbers to accountants. Who would want to drive across a bridge not designed by a well-educated and experienced engineer? How can the courts ever adequately compensate victims and their families for losing their lives prematurely? Furthermore, I have been involved in a fair amount of litigation. Truer words have never been spoken than "only lawyers win during a legal battle". Legal bills are a challenge to fund unless one is in the upper class. Leaving issues of health, safety and welfare up to the courts is just not a safe or fair solution

In closing, I am extremely honored to be able to serve my fellow engineers in the capacity of NSPE-TN President for this year. I have several items on my radar that concern me and on which I would like to see improvement.

However, to be vigilant and address many of and initiatives, this is the time to literally stand up and be counted. NSPE-TN needs to be the most powerful voice in the state and local government that we can possibly be. A few ways in which to do that is to increase the number of engineers for whom we are speaking by increasing membership. If you mentor a younger engineer, please describe the importance of the NSPE-TN role. I encourage everyone to participate in engineer's day on the hill and all other activities that can impact not only our legislators but also the Governor's office. Kasey Anderson and staff do a tremendous job of keeping their pulse on the best manner and time in which to approach an issue of concern.

Again, I look forward to this year of service and if you have any questions or comments, please do not hesitate to contact me at [bjjohnson@vaughnmelton.com](mailto:bjjohnson@vaughnmelton.com) or 865-546-5800.

Brent

### INSIDE:

- [New Board of Directors](#)
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- [New NSPE Director at Large](#)

# A Three-Part Training Series on Advanced Technologies

Hosted by the  
Knoxville Chapter of the Tennessee  
Society of Professional Engineers

**NSPE-TN**

**™ KNOXVILLE CHAPTER**  
TENNESSEE SOCIETY OF  
PROFESSIONAL ENGINEERS



## TOPICS TO INCLUDE:

### DRONES



**Wednesday,  
October 17, 2018**  
**Garrett Foster,  
Parham Engineering**  
This lecture will provide an introduction to the fundamentals of unmanned aircraft systems, including their history and developing role in the modern aviation industry.

### 3D DESIGN SOFTWARE



**January 2019**  
**Speaker, TBD**  
This lecture will explore some of the newest 3D design software developed by Autodesk. It will explore some of the basic 3D processes and material, and demonstrate real-world applications for the implementation of this software.

### 3D PRINTING TECHNOLOGY



**March 2019**  
**Speaker, TBD**  
This lecture will demonstrate how 3D printers work, show what people are currently making with them, and examine the 3D printing ecosystem. It will also explore the future of 3D printing and discuss how this technology will revolutionize our world.

### LOCATION

AMS Technology Center  
9119 Cross Park Dr.  
Knoxville, TN 37923

### REGISTRATION

For more information or to register for one or more of the seminars, please contact Josh Cole at:  
[knoxtspe@gmail.com](mailto:knoxtspe@gmail.com).

These lectures will last from 12:00 - 1:00 PM.  
There is a \$5 registration fee to attend each seminar.  
Lunch will be provided.

**Each lecture will be limited to the first 40 registrations.**

## 2018-2019 EXECUTIVE COMMITTEE

### PRESIDENT

Brently Johnson, PE, F.NSPE, F.TSPE  
bjjohnson@vaughnmelton.com

### PRESIDENT ELECT

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mmccarley@pdmeng.com

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mmckinney@fudknox.org

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phall@facilitysystems.org

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Randal Braker, PE  
rbraker@druc.org

### NSPE SOUTHEAST REGION DIRECTOR

Shannon Looney, PE  
shannon@gemitchellco.com

## 2018-2019 CHAPTER PRESIDENTS

### CHATTANOOGA

Mack McCarley, PE, F.NSPE  
mmccarley@pdmengineering.com

### KNOXVILLE

Sharon Dean  
ssdeane@vaughnmelton.com

### LAKEWAY

Richard Kusmierczyk, PE  
ineedtogetaname@aol.com

### MEMPHIS

Brian King, PE  
bking@fisherarnold.com

### NASHVILLE

Ryan Sweeney, PE  
ryan.sweeney@tn.gov

### TULLAHOMA

Tommy Northcott, PE, CMRP, CRL  
thomas.northcott@jacobs.com

### UPPER EAST TENNESSEE

Scott P. Schallon, PE  
schallon@eastman.com

*For additional information about chapter meetings and location, go to [www.tnspe.org/About Us/Leadership/ChapterPresidents](http://www.tnspe.org/About%20Us/Leadership/ChapterPresidents).*

## 2018-2019 STATE DIRECTORS

### CHATTANOOGA

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### KNOXVILLE

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James Norris, PE

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Joe Hillard, PE

### MEMPHIS

Drake Danley, PE  
Tim Herndon, PE

### NASHVILLE

Derek Martin, PE  
Joe Deering, PE, RLS

### TULLAHOMA

Paul Kelly, PE  
Tommy Northcott, PE, CMRP, CRL

### UPPER EAST TENNESSEE

Scott Schallon, PE

## New TSPE Members

### CHATTANOOGA CHAPTER

Benjamin Byard PE  
Christopher Cooper  
Helge Nestler PE  
Kelli Richardson PE

### KNOXVILLE CHAPTER

Adam Alexander PE  
Robert Bivens PE  
Jordan Hicks EI/EIT  
Zachary Looney

### MEMPHIS CHAPTER

Peter DeGloma EI/EIT  
David DeLeeuw PE

### TULLAHOMA CHAPTER

Tyler McElroy PE

### UPPER EAST CHAPTER

Roger LeMond PE

## Tennessee Engineering Center

800 Fort Negley Blvd.  
Nashville, TN 37203  
615-242-2486  
[www.tnspe.org](http://www.tnspe.org)

### Executive Director

Kasey Anderson  
([kanderson@tnec.org](mailto:kanderson@tnec.org))

### Assistant Director for Membership and Communication

Kiersten Thompson  
([ktompson@tnec.org](mailto:ktompson@tnec.org))

## TSPE PARTNERS

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Waldrop, P.C.

Ryan Search & Consulting

Smith Cashion & Orr, PLC

Tennessee Concrete  
Association

United Structural Systems, Inc.

Yanmar America

## Upcoming Events

### Knoxville Chapter

#### PE Application Workshop

Tuesday, October 16th – 6:00 pm – 7:00 pm

9119 Cross Park Drive, Knoxville, TN 37923

RSVP to [knoxtspe@gmail.com](mailto:knoxtspe@gmail.com)

#### Three Part Series on Advanced Technologies

Wednesday, October 17th – 12:00 pm – 1:00 pm

9119 Cross Park Drive, Knoxville, TN 37923

RSVP to [knoxtspe@gmail.com](mailto:knoxtspe@gmail.com)

#### KnoxProCorps Clay Shoot

Friday, October 19th

Chilhowee Sportsman's Club LLC

Claim your spot on a TSPE team by emailing [knoxtspe@gmail.com](mailto:knoxtspe@gmail.com) or register your own team at [www.knoxprocorps.org](http://www.knoxprocorps.org)

#### Chapter Meeting

Wednesday, October 24th – 11:30 am – 12:30 pm

Bearden Banquet Hall

For more information contact [knoxtspe@gmail.com](mailto:knoxtspe@gmail.com)

Networking at Neyland

Wednesday, October 24th – 6:00 pm – 7:30 pm

RSVP online by October 12th

#### UT Engineers Day

Thursday, October 25th

TSPE will have a booth at the event and will need members to volunteer at the booth throughout the day. Contact [knoxtspe@gmail.com](mailto:knoxtspe@gmail.com) for more information.

### KBA, AIA and TSPE Social

Tuesday, October 30th – 5:30 PM – 7:30 PM

Elkmont Exchange Brewery & Eating House

RSVP at [www.knoxbar.org](http://www.knoxbar.org)

### Lakeway Chapter

#### Chapter Meeting

Tuesday, October 9th – 11:30 am – 12:30 pm

Shoney's – Dandridge TN

Contact Joe Hillard for more information: [hillardjb@cdmsmith.com](mailto:hillardjb@cdmsmith.com)

### Memphis Chapter

#### Chapter Meeting

Tuesday, October 9th – 11:30 am – 12:30 pm

Christian Brothers University

Contact Carol Welchel for more information: [cwelchel@mlgw.org](mailto:cwelchel@mlgw.org)

### Nashville Chapter

#### Chapter Meeting

Tuesday, October 23rd – 11:30 am – 1:00 pm

Adventure Science Center – Jack Wood Hall

contact Ryan Sweeny for additional information:

## New PEs - Spring 2018 Exam

### NASHVILLE

William Anderson, PE  
Robert Arts, PE  
Richard Ball, PE  
William Banks, PE  
Jonathon Boghozian, PE  
Gueary Brigham, PE  
Chad Carpenter, PE  
John Castleman, PE  
Jerry Chesnut, PE  
Clay Christain, PE  
Peter Corley, PE  
Allison Davis, PE  
Michael Dickenson, PE  
Jess Dillard, PE  
Michael Edwards, PE  
Jason Evans, PE  
David Flynn, PE

Nathan Foust, PE  
Jessica Gardner, PE  
David Garrett, PE  
Tiffany Giordano, PE  
James Hatfield, PE  
Anthony Hendren, PE  
Lek Kapshtica, PE  
Andrew Leuthold, PE  
Landon Longanecker, PE  
Tracey Mayer, PE  
Cody McGee, PE  
Justin McMoran, PE  
Katherine Peay, PE  
Marcus Richards, PE  
Jennifer Sharkey, PE  
Amelia Shaw, PE  
Ryan Shields, PE  
Grayson Smith, PE

Logan Taylor, PE  
Zachary Thompson, PE  
Vercel Vowell, PE  
Jake Wilson, PE  
Jared Thompson, PE

### KNOXVILLE

Faheemuddin Ahmed, PE  
Samantha Baker, PE  
Josh Blevins, PE  
Helber Camacho Gonzalez, PE  
Joshua Clemmons, PE  
Terri Edwards, PE  
Caleb Elam, PE  
Kristopher Ellis, PE  
James Fowler, PE  
Jordan Harris, PE  
Darren Haun, PE

Michael Hicks, PE  
Lloyd Hooper, PE  
James Hull, PE  
Richard Lemay, PE  
Daniel Mcneely, PE  
Benjamin Prichett, PE  
Nick Shaffer, PE  
Douglas Toney, PE

### LAKEWAY

James Horner, PE  
Thomas Lakas, PE

### UPPER EAST

David Bumgarner, PE  
Ryan Fenyves, PE  
Christopher Hodge, PE  
Elizabeth Jones, PE  
John Penland, PE

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## Congratulations, Shannon Looney, PE, F.NSPE NSPE Director at Large



We are thrilled to announce that Shannon Looney, PE, F.NSPE, was elected to serve as NSPE Director at Large at the national society's meeting in Las Vegas. As a licensed professional engineer and former president of TSPE, Shannon has a passion for improving and protecting the engineering profession, and for bringing more engineers under our tent. With a keen understanding for the important role engineers play in our communities, he is a relentless advocate for licensure, the engineering profession, and the protection of public health, safety, and welfare.

His mission, to which he is fiercely committed, is two-fold: membership growth and shaping the future of NSPE. Not a day goes by without Shannon encouraging someone to submit an NSPE application or consider becoming an engineer.

"YOU need to be part of an organization where the entry level professional and the CEO of an ENR top 10 firm can sit side by side and learn from each other, no matter the discipline or work sector. We as a profession need to acknowledge and cherish the gift of being an engineer and OUR responsibility to the public" – Shannon Looney, PE, F.NSPE

Please join us in congratulating Shannon on his new position on the NSPE Board of Directors. Congratulations, Shannon on this immense achievement (CHECKERBOARD!).





*Every Contribution Matters!*

# TPE- PAC

**MAIL CONTRIBUTIONS TO TPE-PAC**  
**800 FORT NEGLEY BLVD | NASHVILLE, TN 37203**

**FOR ADDITIONAL INFORMATION CONTACT KASEY ANDERSON**  
**615.554.1663 | KANDERSON@TNEC.ORG**

Tennessee law allows both personal and corporate contributions to TPE-PAC

## SAVE THE DATE

# MATHCOUNTS®

### **CHATTANOOGA CHAPTER COMPETITION**

February 2, 2019  
University of Tennessee Chattanooga  
Coordinator: Jeffrey Parris, PE

### **KNOXVILLE CHAPTER COMPETITION**

February 2, 2019  
University of Tennessee Knoxville  
John Tickle Bldg.  
Coordinator: Dr. Chris Cox

### **MEMPHIS CHAPTER COMPETITION**

February 2, 2019  
Southwest Tennessee Community College  
Coordinator: Drake Danley, PE

### **NASHVILLE CHAPTER COMPETITION**

February 9, 2019  
Tennessee Engineering Center (Adventure Science Center)  
Coordinator: Nitaya Chayangkura, PE

### **TULLAHOMA CHAPTER COMPETITION**

February 2, 2019  
UT Space Institute  
Coordinator: Michael Millraney, PE

### **UPPER EAST CHAPTER COMPETITION**

February 2, 2019  
Regional Center for Advanced Manufacturing  
Coordinator: Brandon Stevens

### **TENNESSEE STATE COMPETITION**

March 9, 2019  
Tennessee Engineering Center  
(Adventure Science Center)  
Coordinator: Jake Greear, PE

TSPE is always looking for additional volunteers to assist with both Chapter and State competitions. If you are interested in volunteering please contact Jake Greear at 865-540-0801 or Kiersten Thompson at 615-242-2486. Visit [www.tnspe.org/mathcounts](http://www.tnspe.org/mathcounts) for more information.



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### Meet your new TSPE Assistant Director

We wanted to take a minute to introduce you to our newest TSPE team member, Kiersten Thompson who joined us as the Assistant Director for Membership and Communication. Kiersten graduated with a bachelor's degree from the University of Tennessee, Knoxville. Since graduating she spent the better part of her professional career in Association Management.

She has had the opportunity to work with several associations including the Tennessee Association of Roofing Contractors, AIA Tennessee, the Tennessee Lobbyists Association and the Tennessee Association of Nurse Anesthetists. When you meet her, it is very easy to see that she loves what she does. Her enthusiasm for her members, the growth and sustainability of an association and every aspect of association management make her a great addition to our team.