

# The Missouri Engineer

*The official publication of the Missouri Society of Professional Engineers, whose mission is to promote the ethical and competent practice of engineering.*

## *A Message From Your 2018-2019 MSPE President*

*Michael Purol, P.E.*



I hope everything is going well for all of our members as we race toward a busy construction season. Our Winter 2019 Issue should have filled you in on many of the decisions made during the Winter Board Meeting. Since then our members and staff have been busy executing those decisions. Hopefully you have seen the new logo which was adopted at that time on our website and many of our publications. At that time, as recommended by

the “Moving MSPE Forward Committee” (MMFC), the Executive Committee was tasked with negotiating the terms of a new contract for the administration of our Society. We are happy to say that this work has been completed, and we are set for the next fiscal year. With a majority of the work associated with new NSPE model complete, the new agreement dedicates additional time to working with chapters and committees, while holding the budget for these services flat. In June the EC is expecting to present a balanced budget to the Board for approval.

Our chapters and committee, have been very busy over the past couple months. Leading up to writing of this update, I reviewed seven pages of Legislative Bills (69 bills in total) that our Government Relations Committee has been

tracking and will be discussing during the monthly conference call. The MMF Committee has continued to meet and work on insuring our Society stays relevant and continues to provide the services our members have come to expect. I would thank all of our committee and practice division members who carry out much of the day-to-day work of our Society. A special thanks to Josh Lehman, our State MathCounts Chairman, for all of the work he and his committee put into this year’s event.

In closing, please check out our website as the agenda for the Annual Convention has been published and registration is open. The Annual Convention Planning Committee has been hard at work and has a great convention planned for us.

-Michael Purol, P.E.,  
MSPE President

*“My formal education, along with continued education has given me the technical skills required for my career. However, MSPE has given me the opportunity to improve my soft-skills including leadership skills, which has helped advance my career.”*

*-Michael Purol P.E., MSPE President, 2018-2019*



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Above: New MSPE State Pop Up Stand. If your chapter is considering something similar with the new logos, please contact Stacey Meyer at [smeyer@mspe.org](mailto:smeyer@mspe.org)

Editor's Message: Please enjoy the 2019 Spring Issue of the Missouri Engineer. If you have any engineering-related photos from your work that you may like to see featured in future editions of the ME, please send them to [rincehelsers@mspe.org](mailto:rincehelsers@mspe.org). Thank you, and enjoy your read!

-Rachel Nincehelsers, Editor, Director of Communications

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MISSOURI SOCIETY OF  
PROFESSIONAL  
ENGINEERS

# ***Welcome New Members!***

## **Central Chapter**

***Kirby Scheer, P.E.\****  
New Haven, MO

## **Jefferson City Chapter**

***Elke Boyd, P.E.***  
GREDELL Engineering, Inc.  
Jefferson City, MO

***Timothy Herrmann P.E.\****  
GREDELL Engineering, Inc.  
Jefferson City, MO

## **Ozark Chapter**

***Miranda Beadles, P.E.***  
Christian County  
Ozark, MO

## ***Julie Hawkins, P.E.***

City of Springfield  
Springfield, MO

## ***David Jacobsen, P.E.\****

City Utilities of Springfield  
Springfield, MO

## ***Ron Petering, P.E.\****

City of Springfield  
Springfield, MO

## ***Krista Shurtz, P.E.\****

City Utilities of Springfield  
Springfield, MO

## ***David Williams, P.E.***

Anderson Engineering, Inc.  
Springfield, MO



## **Rolla Chapter**

***Daniel Oether., P.E., PhD\****  
MO University of Science &  
Technology  
Rolla, MO

## **St. Louis Chapter**

***John Huffman, P.E.***  
MK and Associates  
Kirkwood, MO

## ***Brian Jones, E.I.***

Bell Electrical Contractors,  
Inc.  
Bridgeton, MO

## ***Branden Stubbs, E.I.***

Stubbs Engineering  
Pleasant Hill, MO

## ***Richard Vestal, P.E.***

Vestal Corporation  
Chesterfield, MO

## ***Albert Ybarra, P.E.***

O'Fallon, MO

## **Southwest Chapter**

***Rebecca Cragun, P.E.\****  
Neosho, MO

## ***Logan Ellis, E.I.***

Anderson Engineering, Inc.  
Joplin, MO

## ***Darren Juranas, E.I.***

Anderson Engineering, Inc.  
Joplin, MO

## ***Micah Souder, E.I.***

Anderson Engineering, Inc.  
Joplin, MO

## **Western Chapter**

***Charles Abbott, P.E.\****  
Burns & McDonnell  
Kansas City, MO

***\*Indicates Returning***

## ***In Memoriam***

MSPE is saddened to report the recent passing of two of its members:

### **Melvin Heman, P.E.**

Birthdate: 10/1/1932  
Passed away: 11/1/2018  
Affiliation: 10/1/1960  
Life Member  
Western Chapter

### **Robert G. Winkler, P.E.**

Birthdate: 9/26/1931  
Passed away: 1/22/19  
Affiliation: 2/1/1956  
Life Member  
Chapter: At-Large  
(Lived out of state)

# *Sustaining Organizations*

## *Sustaining Organizations offer your firm:*

- *The ability to demonstrate its interest in professional engineering.*
- *An open line of communication with engineering interests throughout Missouri.*
- *Clear indication of your support of the P.E. license and the Missouri Society of Professional Engineers.*
- *The ability to partner with MSPE to maintain and expand a high level of programs and activities for the benefit of both organizations and its individuals.*

## *MSPE's Sustaining Organization firms:*

**A2V Partners, LLC**  
Springfield, MO

**ABNA Engineering, Inc.**  
St. Louis, MO

**Allgeier, Martin & Associates**  
Joplin, MO

**Allstate Consultants LLC**  
Columbia, MO

**Ameren**  
St. Louis, MO

**American Concrete Paving Association**  
Overland Park, KS

**Anderson Engineering, Inc.**  
Springfield, MO

**Black & Veatch**  
Kansas City and St. Louis, MO

**Burns & McDonnell, Inc.**  
Kansas City and St. Louis, MO

**Cook, Flatt & Strobel, Engineers, P.A.**  
Topeka, KS

**Gaskin Hill Norcross, Inc.**  
Springfield, MO

**George Butler Associates, Inc.**  
Lenexa, KS

**Gibbens Drake Scott, Inc.**  
Raytown, MO

**Gredell Engineering Resources, Inc.**  
Jefferson City, MO

**HNTB Corporation**  
Kansas City, MO

**Holmes Murphy**  
Overland Park, KS

**Horner & Shifrin, Inc.**  
St. Louis, MO

**Kuhlmann design Group**  
St. Louis, MO

**Lockton Companies**  
Kansas City, MO  
**McClure Engineering Co.**  
Iowa and Missouri offices

**Palmerton & Parrish, Inc.**  
Springfield, MO

**Scurlock Industries**  
Springfield, MO

**Strickland Engineering**  
Jackson, MO

**The Piker-Kulesa Group & RBC Wealth Management**  
Leawood, KS

**Walter P. Moore and Associates, Inc.**  
Kansas City, MO

## *MSPE Foundation Building Space for Rent*

The MSPE Foundation's building has office space for rent!

Approximately 3,000 square feet of downtown Jefferson City office space is available. Convenient access to the Capitol with parking space available.

Currently configured for 5+ individual offices plus a large conference room. Lease rates to be negotiated based on length of contract.

For more information, see the listing at <http://www.bowmanrealty.com/properties.asp?class=commercial&subclass=lease>.

or contact Greg Braden at [gbraden@mspe.org](mailto:gbraden@mspe.org) or 785-615-1609.



# Executive Director Message

By Travis Lowe

MSPE Members,

We hope this publication finds you well. It is hard to believe it is already spring, but the warm weather is welcomed after the long winter. 2019 is off to a busy start for MSPE. We have many updates to share. First, we want to thank you for your continued support of MSPE that enables the association to provide and operate efficiently for you.

The first quarter of the year saw many exciting things happen for MSPE. The 2019 Legislative Session is almost completed in Jefferson City. Our Government Relations Committee, populated by several members of diverse disciplines, meets regularly with MSPE contract lobbyist Mark Rhoads to review legislation of interest. Often times, bills of interest never receive much activity in the Capitol, but other times MSPE needs to weigh in. We believe a strong legislative arm is essential for MSPE, particularly with our broad membership base that covers many areas of legislative policy. Advocacy may be the number one reason for you to support MSPE. Remember the saying, "if you are not at the table, you are on the menu." To that end, MSPE held its 2019 Capitol Day on March 27, in conjunction with ACEC MO. We had a handful of members

attend, which was more than last year. Please plan to attend next year. The more members present is a better showing to legislators. Thanks to all who made the trip last month!

MSPE checked off a big box in March as we revised our Association Bylaws to ensure we are consistent with the new rules of the NSPE Membership Model. This was a long process and we owe a big thanks to the MSPE Bylaws Committee, Board and members that took the time to vote in the March 2 membership meeting.

E-Week was celebrated across Missouri with well-planned events hosted by several of our chapters. I personally had the pleasure to attend a couple of them and it was awesome to see all of their hard work. NSPE created E-Week for the very reason to bring awareness to your profession and usher in the next generation. MATHCOUNTS competitions had another great year. We really appreciate all of the volunteers who made this possible!

We are now looking ahead to the MSPE 2019 Annual Convention that is set for June 17-19 at Lake of the Ozarks. Online and mail



registration opened on April 1. Full Conference registration was reduced 25% compared to last year! Please consider being a sponsor of the event. It all adds up and we will make sure sponsors received plenty of exposure for their generosity.

If you have never attended a MSPE Convention, now is the time to come have a blast with us at the lake. We are looking forward to seeing everyone there!

If you have any ideas, questions or constructive feedback, do not hesitate to reach out to us.

-Travis Lowe  
MSPE Executive Director

## Connect With Us on Social Media!

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Professional Engineers**  
Facebook Page

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Twitter Page

"Follow"



**@theMOengineer**  
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"Connect"



**MSPE-Missouri Society of  
Professional Engineers**  
LinkedIn Page

## ***MSPE Special Board Meeting Recap***

*March 2, 2019*

The MSPE Board of Directors held a special Board meeting at the MSPE office to consider and approve the association management services contract for Braden Heidner Lowe & Associates for the 2019-2020 fiscal year. In the previous several weeks, the Executive Committee and the Board of Directors voted to move forward with a renewed contract, per the recommendations from the Moving Missouri Forward Committee.



## ***MSPE Executive Committee Meeting Recap***

*April 5, 2019*

The MSPE Executive Committee held its quarterly meeting at the MSPE office on April 5. The meeting included several heavy lift items, including the review of the proposed budget submitted by Treasurer Mitch Kyrsa. The budget for the next fiscal year (July 1, 2019-June 20, 2020) will be considered by the Board of Directors in June.

A candidate slate was approved as recommended by the Nominating and Tellers Committee, chaired by Past

President Ron Black. Updates were also provided regarding membership, The Government Relations Committee, Annual Convention, 2019 Fall PDH Days and the Awards Committee.



# *MSPE Bylaws Amendment to be Considered at MSPE Conference*

## *Amendment Condenses MSPE Board of Directors Size with Weighted Voting for Chapters*

This announcement serves as official notice of a proposed amendment to be considered by the membership during the annual convention at Lake Ozark on Monday, June 17 at 2:30 PM. The amendment proposes condensing the MSPE Board of Directors from 30 to 24 directors by allowing each chapter to have a single Board representative that has weighted voting.

President Michael Purol and President-elect Bob Becnel asked the Bylaws Committee, chaired by Ross Kasmann, to consider the amendment. MSPE currently has the largest Board of Directors among the state societies across the nation.

The “weighted voting” concept reduces the Board size while allowing each chapter to keep their respective voting power. For example, the Ozark Chapter would name one person as their Board representative who will attend Board meetings and carry three votes. The Jefferson City Chapter would send one person and carry two votes. This way the Board is smaller and more manageable but chapters are not being harmed by taking away any voting power.

The amendment is modeled off of how the NSPE House of Delegates works. Each state/territory has one person in the HOD and they have different votes based on their membership size.

Pursuant to ARTICLE XVII, Section 3, the Bylaws Committee has brought this amendment forward. Because the proposed amendment is a “governance” change, the process to approve is to present the amendment to the membership in writing with 30 days’ notice (published in the Spring Missouri Engineer) and at the convention’s membership meeting members can vote to approve or disapprove. The changes must be approved by a 2/3 majority of members at the meeting to prevail.

[Click here to see the proposed changes to ARTICLE V- Board of Directors \(Governance\).](#)

## *Member Spotlight*

### *Rebecca Losli, P.E.*

**Chapter:** St. Louis

**Education:** Master of Business Administration from Washington University (2010); Master of Science in Environmental Engineering from Washington University (2005); Bachelor of Science in Civil Engineering from Washington University (2002); Bachelor of Science in Physics and Mathematics from Samford University (2002)

**What is your employment/education history?**

Program Manager for Planning at Metropolitan St. Louis Sewer District (2018-Present); Regional Global Practice Leader for Water at Burns & McDonnell (2015-2018); Owner at Losli Engineering (2010-2015); Environmental Engineer at Jacobs Engineering Group (2006-2010)

**Tell us about your family:**

I have been married to my husband, Greg Losli, for 15 years. We have two dachshunds, Rocky and Bear.

**What is your greatest accomplishment to date?**

Serving in a key role to complete the Sanitary Sewer Overflow (SSO) Control Master Plan for the Metropolitan St. Louis District. I was responsible for many of the associated documents and project schedules. The SSO Control Master Plan includes MSD’s plan to eliminate approximately 150 Constructed Sanitary Sewer Overflows over a 20-year period.

**One fun fact about you:**

I am a Dive Master with Midwest Scuba in St. Charles.

**What do you like to do with your free time?**

Travel. My husband is



from Portland, OR and I am from Mobile, AL, so we are always on the go.

**Why did you become an engineer?**

I was always strong at Math and Science, and I wanted to make a difference in the Environment.

**If you weren't an engineer, you would be a:** Lawyer.

**Favorites...**

**Restaurant:** BC’s Kitchen in Lake St. Louis

**Vacation spot:** Cozumel

**Sports team:** Alabama Crimson Tide

**Song or Music Artist:** 80’s music

# *Nominating Committee Names: 2019-2020 Slate of Officers*

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*By Ron Black, P.E., PMP, Nominating and Tellers Committee Chair*

Pursuant to Article VII of the society's Bylaws, the Nominating Committee has selected the following members as to serve as officers of the society during the July 1, 2019 to June 30, 2020 administrative year.

Immediate Past President Ron Black, P.E. of St. Louis Chapter presided over the Nominating Committee which was composed of Matt Bedinghaus, P.E., MSPE Past President, Ozark Chapter; Matt Munzlinger, P.E., State Director, Northeast Chapter; Britt Smith,

P.E., FNSPE, MSPE Past President, Jefferson City Chapter, and Derek Vap, P.E., State Director, Western Chapter.

Formal election of the new officers will take place on Monday, June 17, 2019 during the Meeting of the Membership held in conjunction with the Board of Directors meeting at the society's 82nd Annual Convention at Camden on the Lake, Lake Ozark, Missouri.

MSPE's Bylaws allow that

additional nominees for each office can be made by written petition containing the signatures of at least 30 members eligible to vote provided that no more than 10 signing any nominating petition are members of the same chapter. Petitions must reach the society's secretary (Executive Director Travis Lowe) no later than 35 days prior to the election. In the event there is only one nominee for each office, those nominated shall be considered as elected by acclamation.

## *Bob Becnel, P.E., F.NSPE (Will Automatically Become President)*



Robert (Bob) G. Becnel, P.E., F.NSPE of St. Louis Chapter is an Electrical Engineer/Scientist specializing in communications, navigation and sensor management for Boeing Research & Technology. He has been with the Boeing Company since 2005 and previously with Lucent Technologies/Bell Labs. Bob is an adjunct instructor for Washington University in St. Louis and facilitates the FE Review Course. Previously Bob served as St. Louis Chapter President in 2010-11; Professional Engineers in Industry NSPE Chair in 2005-06; and has been a NSPE Fellow since 2008. He is active with IEEE and obtained a BSEE and BSCoE from the UM at Columbia with a MSEE from Washington University in St. Louis. Bob and his wife, Verla, have a college freshman daughter (Madison) and a high school junior daughter (Reagan). They reside in Imperial and are members of Our Lady

Queen of Peace Parish in House Springs.

## *For President- Elect: John A. Riediger, P.E.*



John A. Riediger, P.E., is a Vice-President of Allgeier, Martin and Associates and also Director of the company's Electrical Distribution Department. He has more than 14 years of experience working on distribution and transmission projects for cooperatives, investor owned utilities, and municipal power systems and has been involved in both large and small engineering projects.

John joined Allgeier, Martin and Associates, Inc. in 2004 after graduating from the University of Missouri at Columbia with both a Bachelor of Science in Electrical Engineering and Computer Engineering. Additionally, he is a registered P.E. in the states of Missouri, Arkansas, Oklahoma, Kansas and Illinois. A 14-year member of MSPE in the Southwest Chapter, John has held all of the officer positions serving as Chapter President in

2009-10. He is presently the MSPE Vice President. John has been a contributing member of the Fall PDH Task Force in 2016, 2017, and 2018, the Annual Convention Planning Committee in 2017 and 2018, and is a co-chair of the Moving MSPE Forward Committee. He is also a member of IEEE and serves as the Vice-Chair for the Joplin Area. He is an active volunteer for the Boy Scouts of America and presently serves as the Vice-Chair for the NKGH District of the Ozark Trails Council. He and his wife, Rachel, have two children and live in Joplin, MO.



## *For Vice President: Mitch Krysa, P.E.*



Mitch Krysa, P.E. of Western Chapter, is currently employed by the City of Independence, Missouri. He has 47 years of experience with Missouri Public Service, UtiliCorp United, Aquila, KCPL, and City of Independence serving in a multitude of engineering positions including District Engineer, Division Engineer, Director T & D Engineering, Engineering Supervisor– and in multiple roles involving mergers and acquisitions, marketing and Energy Markets. Mitch holds a B.S. in Electrical Engineering from the University of Missouri – Rolla (now Missouri University of Science and Technology), and a Master in Electrical Engineering from the University of Missouri-Columbia. He was the Western Chapter President in 2012-2013 and served a three-year term as the chapter’s state director on MSPE’s Board of Directors. Mitch has held almost all of the officer positions in the chapter – including helping lead the chapter’s very successful Engineers Week Luncheon event for several years. Currently he is assisting the STEM Committee on their work with the Kansas City Stem Alliance. He is completing his second term as the MSPE State Treasurer. Additionally, Mitch is a life member of the Institute of Electrical and Electronics Engineers, Fourth Degree in Knights of Columbus and a member of the Kansas City Monarch’s recreational fast pitch wood bat baseball team where he has won two national titles in the past five years serving as player, third base coach and assistant manager. Mitch resides in Lee’s Summit where he enjoys spending time with his grandchildren, Calvin, Lydia and Korbin.

## *For Treasurer: Kelsie Clark, P.E.*



Kelsie Clark, P.E. is currently a Project Manager for Northrop Grumman Innovation Systems, operators of the Lake City Army Ammunition Plant in Independence, Missouri. In this role he manages capital projects to repair, improve and upgrade the numerous facilities and infrastructure at the plant.

Projects at Lake City have included bridge replacements, road repair and replacement, structural upgrades to manufacturing buildings, and water supply systems improvements including new water wells, water tower rehabilitation and new water mains.

Kelsie has been a member of MSPE and NSPE since 1998. Kelsie is a member of Western Chapter and is currently serving on the 2019 MSPE Annual Convention Committee. He served for two years (2016-17 and

2017-18) on the MSPE Executive Committee as a Board of Directors Representative. As a member of Western Chapter, he has served as a Chapter Director, Secretary, Treasurer, President-Elect, and President. He has served on several MSPE State Convention Planning Committees and most recently serves on the Fall PDH Days task force. He is a past member of MSPE’s Kimel committee where he helped encourage licensure of engineering professors and teaching faculty at our state’s engineering schools.

He has been actively involved in the Boy Scouts of America for over 47 years. He earned the Eagle Scout rank in 1975. He has served in numerous leadership roles as an adult volunteer including Order of the Arrow Lodge Advisor, Tribe of Mic O Say Tribal Council, District Training Committee Chair, and District Camping Committee Chair. He is currently serving as Assistant Council Commissioner in the Heart of America Council and as an Order of the Arrow Associate Adviser for Section CSB of the Central Region, BSA.

A life-long member of the Pleasant Hill United Methodist Church, he has served in several leadership roles including member and Chair of the Board of Trustees, Building Committee, Administrative Board member, Finance Committee member, and chair of men’s ministry.

## ***MSPE Educational Foundation*** ***Methods of Contributing***

Consider contributing to the MSPE Educational Foundation by using your Required Minimum Distribution (RMD) from your IRA. To reference a sample letter for RMDs go to [mspe.org/Educational-Foundation](http://mspe.org/Educational-Foundation)

# MSPE Capitol Day

March 27, 2019

MSPE held its Capitol Day on March 27. Eleven attended the event, which began with updates on legislative bills of interest by Mark Rhoads and Travis Lowe at the MSPE office. The group then traveled to the Capitol to meet with several influential members and discussed MSPE issues.

MSPE staff set up the MSPE booth in the rotunda of the Capitol building. There is already discussion about the day next year, which will continue coordination efforts with the Mercury Alliance and ACEC MO.



# #ProtectThePE



# *MSPE Practice Divison Updates*

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## *Professional Engineers in Industry (PEI)*

*By Stephen Hutti, P.E., F.NSPE*

MSPE Professional Engineers in Industry is pleased to announce that Mitch Krysa, P.E. has been selected as our 2019 Distinguished Service Award recipient. This award will be presented at the Awards Banquet during this year's Annual Convention in June 2019.



Mitch is an Engineering Supervisor at Independence Power & Light. He is a member of MSPE Western Chapter and very active in PEI. Mitch is a graduate of the University of Missouri schools at both Rolla and Columbia with his BSEE and MSEE.

Mitch is currently serving as MSPE Treasurer. He is a member of MSPE IT Advisory Team. Many of MSPE IT improvements are tied directly to his efforts and involvement. Career highlights include his recent work in the Information Technology in support of Engineering with focus on systems that enable users to follow the guidelines and be able to buy, sell, and trade electric energy in various energy markets

*“Congratulations, Mitch, for your service and all you’ve done for our Profession and MSPE!”*

per directives by the federal government. Mitch also served on multiple power pool working groups to help establish the designs of the market and the software itself. Mitch has spent over 40 years in the electric power industry in the USA as well as New Zealand and Australia.

In addition to MSPE, Mitch previously served as the Clinton Missouri Jaycees President; Area Transportation Service -- Clinton MO (President); and is currently active in Knights of Columbus (Fourth Degree).in Lee Summit, MO.

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## *Professional Engineers in Private Practice (PEPP)*

*By Tim Quinn, P.E.*

Hello spring! We at PEPP are excited for the weather change and the new life it brings. Spring is also the time when a lot of the planning and efforts by the Committee members of MSPE are shared with the rest of the organization and general public. For example, we are getting news of award nominations, Annual Convention details, PE preparation courses, etc. The PEPP Board has contributed to the buzz (spring bee pun intended) by selecting and submitting MSPE PEPP award winners to MSPE for the PEPP Distinguished Service, Professional Development, and the Quality Based Selection (QBS) awards. In addition, we also assisted with the 2019 NSPE Fellow nomination. A special thanks

to Stacey Meyer for helping us to be efficient and meet deadlines. You will have to join us for the 2019 MSPE Annual Convention to see the talented and altruistic people that will receive the MSPE PEPP and other honors.

The 2019 MSPE Annual Convention is also where you will find the MSPE PEPP Initiative. MSPE PEPP is sponsoring a PDH Session at the 2019 MPSE Annual Convention. This session will feature Kenton Snow, and he will present on Tuesday, June 18, 2019 at 8 a.m. Snow will discuss personal liability, contract language and other legal uncertainties related to engineering. Be on the lookout for MSPE Annual Convention literature to

see Mr. Snow's bio and additional presentation details.

Finally, as Clayton Cristy finishes his term as PEPP Immediate Past Chair, we will welcome Quinton Gehring as our new PEPP Secretary Treasure for 2019/2020. Quinton is employed by Poepping, Stone, Bach & Associates, Inc. (PSBA) and MSPE PEPP is excited to have him join the team. A warm thanks to Clayton for his time and support to MSPE PEPP over his years in practice division leadership.

Sincerely,

Tim Quinn, P.E.  
(Burns & McDonnell)  
MSPE PEPP Chair

**NSPE-MO**

MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS

# MSPE Annual Convention

**DATE** JUNE 17-19, 2019

**VENUE** CAMDEN ON THE LAKE  
LAKE OF THE OZARKS

**\$151** PLUS TAX ROOM RATE  
**DISCOUNT THROUGH MAY 17**  
USE CODE: **MSPE0619**

**COST** 25% REDUCTION IN FULL  
REGISTRATION COST!

**\$399** FULL CONFERENCE  
**\$100** MONDAY ONLY  
**\$200** FULL CONFERENCE SPOUSE  
**\$125** KIDS FULL CONFERENCE

2019

**REGISTRATION OPEN NOW!**

**MSPE'S 16TH ANNUAL FALL PDH DAYS**

**SAVE  
THE  
DATE**

*Capitol Plaza Hotel*  
*Jefferson City, MO*

**October  
29-30, 2019**

*Offering 15 hours of  
PDH programming!*

**NSPE-MO**

MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS

# MSPE 2019 Annual Convention

**\$500+**

PDH SPONSOR

## PDH SPONSOR

INCLUDES

- Limited to one (1) Sponsor for each dual track PDH session and two (2) Sponsors for each single track session.
- Choice of specific PDH Session is in a first come, first-serve basis.
- Recognition on MSPE website
- Recognition in Convention Brochure

**\$1,000+**

SILVER SPONSOR

## SILVER SPONSOR

INCLUDES

- One (1) Engineer Registration (Full)
- Recognition on Registration Website
- Convention Registration Table Display

**\$2,000+**

GOLD SPONSOR

## GOLD SPONSOR

INCLUDES

- Two (2) Engineer Registrations (Full)
- Sponsorship of One (1) Selected PDH Session
- Recognition on the MSPE Website
- Convention Registration Table Display
- Recognition in Convention Brochure

**\$2,500+**

PLATINUM SPONSOR

## PLATINUM SPONSOR

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- Two (2) Engineer Registrations (Full)
- Sponsorship of One (1) Selected PDH Session
- Recognition on the MSPE Website
- Convention Registration Table Display
- Recognition in Convention Brochure

CONTACT ALISON CONNELL AT [aconnell@mspe.org](mailto:aconnell@mspe.org) OR GO TO [www.mspe.org](http://www.mspe.org) FOR MORE INFORMATION

**\$350**

FRIEND

## Other Sponsorships

### FRIENDS OF MSPE

INCLUDES

- Recognition in Convention Brochure
- Recognition on MSPE's Website

**\$750**

PDH BREAK SPONSOR

### PDH BREAK SPONSOR

INCLUDES

- Limited to one (1) Sponsor per break
- Exclusive signage at the break table
- First come, first serve!
- Recognition on MSPE Website
- Recognition in Convention Brochure

**\$1,000**

OPENING RECEPTION SPONSOR

### OPENING RECEPTION SPONSOR

INCLUDES

- Signage at Reception
- Recognition on MSPE Website
- Recognition in Convention Brochure
- Limited to Two (2) sponsors

**\$1,500**

ANNUAL BANQUET SPONSOR

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# P.E. Ceremony Recap

By Stacey Meyer

MSPE's most recent PE Certificate Ceremony honored newly-registered professional engineers, including new members Julie Hawkins, P.E., City of Springfield, Ozark Chapter, and Donna Petrich, P.E., MoDOT Southeast District, Southeast Chapter, at the State Capitol to receive their licensure certificate. Twice each year MSPE hosts this special ceremony for family, friends and the society to honor the state's newest P.E.s. The ceremony provides a unique way for MSPE to recognize the new professional engineers and applaud their achievement in passing the three hurdles – education experience, and examination – to earn the P.E. distinction. All engineers who passed the professional practice exam to earn licensure as a professional engineer are invited to attend.

The Spring Ceremony, held on Friday, March 8, 2019, started with a tour of the State Capitol Building. Following the tour, the new P.E.s and their guests gathered in the Rotunda where keynote speaker Honorable Mike Kehoe, Missouri Lieutenant Governor, delivered a well-received speech that echoed

a familiar theme to seasoned professional engineers, one of protecting public health, safety, and welfare. The Lt. Governor's message focused on the important service to society that engineers provide in their day-to-day employment and how essential it is that engineers engage with their legislators and local public officials to provide feedback on laws and policies being considered.

Words of wisdom were also delivered the new P.E.s by Kevin C. Skibiski, P.E., Chair of the Engineering Division of the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects. Matthew Weber, P.E., Jefferson City Chapter Past President, served as the Master of Ceremonies for the event which also featured MSPE President Michael Purol, P.E. delivered opening remarks. Assisting with the ceremony were MSPE members Jeff Hoevermann, St. Louis Chapter State Director, MSPE Membership Chair Jason Sommerer and MSPE's Membership Director Stacey Meyer who also organized the P.E. Ceremony event.

To conclude the event,

an Order of the Engineer ceremony was held and the new P.E.s accepted the Obligation of the Engineer. They received a stainless-steel ring to serve as a reminder of their pledge to protect the public health,



safety, and welfare by making the best use of Earth's precious resources. Britt Smith, P.E., FNSPE, presided over the Obligation of the Engineer ceremony with assistance from MSPE Director of Membership Stacey Meyer.

Following the ceremony, a reception was held honoring new PEs and their spouses, guests, and volunteers.

*A special thank you to the volunteers, especially Jefferson City Chapter members for taking the time to support this event!*



# Order of the Engineer Ceremony

## Followed by P.E. Ceremony

MSPE's Britt Smith, P.E., F.NSPE was able to take part in his son receiving his P.E. license at the event.



***"I am an engineer. In my profession I take deep pride. To it I owe solemn obligations. As an engineer, I pledge to practice integrity and fair dealing, tolerance and respect; and to uphold devotion to the standards and the dignity of my profession, conscious always that my skill carries with it the obligation to serve humanity by making the best use of the earth's precious wealth. As an engineer, I shall participate in none but honest enterprises. When needed, my skill and knowledge shall be given without reservation for the public good. In the performance of duty and in fidelity to my profession, I shall give my utmost."***

## Upcoming MSPE Events

### June 17-19, 2019 MSPE Annual Convention



MSPE-MO MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

## MSPE Annual Convention

**DATE** JUNE 17-19, 2019

**VENUE** CAMDEN ON THE LAKE  
LAKE OF THE OZARKS  
\$151 PLUS TAX ROOM RATE  
DISCOUNT THROUGH MAY 17  
USE CODE: [MSPE0619](#)

**COST** 25% REDUCTION IN FULL  
REGISTRATION COST!  
\$399 FULL CONFERENCE  
\$100 MONDAY ONLY  
\$200 FULL CONFERENCE SPOUSE  
\$125 KIDS FULL CONFERENCE

# 2019

**REGISTRATION OPEN NOW!**

### September 13, 2019 President's Workshop

### July 17-21, 2019 NSPE Annual Conference



#PECON19

REGISTER TODAY

PROFESSIONAL ENGINEERS CONFERENCE

JULY 17-21, 2019  
KANSAS CITY  
MARRIOTT DOWNTOWN

register today >> [www.nspe.org/pe-conference](http://www.nspe.org/pe-conference)

### October 29-30, 2019 MSPE Fall PDH Days



MSPE'S 16TH ANNUAL FALL PDH DAYS

# SAVE THE DATE

Capitol Plaza Hotel  
Jefferson City, MO

## October 29-30, 2019

Offering 15 hours of PDH programming!

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register today >> [www.nspe.org/pe-conference](http://www.nspe.org/pe-conference)

## *PECON 2019 in Kansas City*

*By Gary Strack, P.E., NSPE PECON Taskforce Chair*

July 17-19, 2019 is your opportunity to show the rest of the country what professional engineering in Kansas City and KSPE/MSPE are all about. We are planning a great event with tours on Wednesday afternoon, welcome reception Wednesday evening, and professional development sessions on Thursday and Friday. Thursday evening will be an interesting dinner and tour of the National WWI Museum. After the Conference, take advantage of the opportunity to see NSPE governance in action, as the House of Delegates Annual Meeting will be held on Saturday.

This PECON will be the inaugural session of a new leadership development program that is being prepared for new professionals (less than

10 years post licensure). Participants selected for the inaugural class will have the opportunity for networking with keynote speakers, mentorship from NSPE leaders, team problem solving, and leadership development activities along with the full Conference program. This program will be limited to only 20 participants, so keep your eyes open for the upcoming application.

We look forward to seeing you at #PECON19. Early Bird Registration will be opening soon and the deadline is April 30, 2019.

Gary Strack, P.E.  
Chair, PECON 2019 Task  
Force





# *NSPE North Central Director Message*

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*By Matt Kruse, P.E.*

Hello again fellow NSPE members and colleagues, hopefully by the time everyone is reading this Spring has finally come to stay in the region and the last reminders of Winter are gone. I again wanted to give you a brief update from NSPE on what has been taking place in the North Central Region since the last newsletter in January.

The main area that I wanted to focus this update on is regarding the most recent events that have taken place regarding the strategic planning effort for NSPE. As you hopefully recall, NSPE kicked off the strategic planning effort during the board meeting in Las Vegas in 2018. Since then, there have been several phone calls, numerous conference calls, and two in person strategic planning meetings, the most recent taking place in Tampa in the middle of March. At the last strategic planning meeting, our region was fortunate to be represented by Travis Lowe, who is serving on the strategic planning steering committee, Tom Roberts, who is the NSPE past president, and myself representing the North Central Region. At this strategic meeting, the full board of governors for NICET was also present, along with the strategic planning steering committee, which allowed for some very productive discussions regarding the future of NSPE and NICET and the overall strategic planning effort. After the first in person meeting, the

main focus areas were as follows: Shaping of Public Policy, Educating for the Future, Communicating Powerfully to Critical Audiences, Diversity of Tomorrow's Engineer, and Engaging the State Societies and NICET. Based on the discussion in the last meeting, these were viewed as still pertinent, but that more individual focus should be given to NICET and the State Societies. With this in mind, there are eight key areas that came out of the March strategic planning meeting. These key areas include: NICET wins over the next 1-3 years, State Society wins over the next 1-3 years, Re-engineering governance regarding NSPE, Shaping of Public Policy, Educating for the Future, Communicating Powerfully to Critical Audiences, Diversity of Tomorrow's Engineer, and the last one is Creating or Building Buzz. These areas will continue to be refined as we move forward to unveiling the strategic plan at the NSPE PECON meeting in Kansas City in July. Speaking of NSPE PECON, the registration and the hotel block are now open for the meeting. In addition to the National NSPE PECON meeting, Kansas and Missouri are working towards each state's annual meeting that will be held in June. I wanted to take this moment to thank all of the volunteers from Kansas and Missouri who have helped plan each of these meetings and will help make them a success.



Within in the region, we hold monthly calls with state leaders and executive directors to discuss best practices, answer questions, or just share recent events taking place within each state. We are also at the middle point or approaching the end of this year's legislative sessions in many of our states. NSPE representatives at both the national level and state level continue to monitor new legislation as it is introduced and help to protect the interest of the engineering profession. If you have a question or comment regarding the strategic plan or anything going on in the region, please feel to reach out to me at 402-496-2498 or Matt.Kruse@LampRynearson.com.

-Matt Kruse, P.E.,  
NSPE North Central Region  
Director

# Upcoming Chapter Events

## May

**1** Jefferson City Chapter  
Spring Litter Pick Up  
- Meet at 1511 Christy  
Drive; 4:30 - 6 PM

**28** Jefferson City Chapter  
May Lunch - Michael  
Rush presenting on  
Mentoring Robotics Teams  
City of Jefferson City Hall;  
12 - 1 PM

**30** Jefferson City Chapter  
Spring BBQ  
Ellis-Porter Park; 5 PM

## June

**25** Jefferson City Chapter  
June Lunch - Mark Rhoads  
providing legislative update;  
new officers sworn in.  
12 - 1 PM



A group of MSPE St. Louis Chapter members at the Rotary Lunch in St. Louis for Engineers Week.

## *MSPE Educational Foundation Methods of Contributing*

What are you doing to support the profession that helped you take care of everyone else, including yourself? The time is now to “pay it forward” and say “thank you” to the engineering profession that helped make it possible to take care of all of these.

The MSPE Educational Foundation needs your help to increase our funding for future engineering student scholarships and for supporting current valuable programs such as MATHCOUNTS and Future Cities. Consider contributing by filling out a donation form here:

<https://mspe.org/resources/Documents/MSPE%20EF%20Donation%20Form.pdf>

For more information, Contact Greg Braden or go to <https://mspe.org/resources/Documents/MSPE%20EF%20Contribution%20Flyer.pdf>

# Jefferson City Chapter News

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## January Lunch

“Big THANK YOU for Dale Williams, P.E. from MO Asphalt Pavement Association for his presentation: Thin Asphalt Overlays: A Pavement Preservation Tool at Jefferson City Chapter of MSPE’s monthly lunch! It was a great presentation with great food for an amazing group of engineers.”  
-Jefferson City MSPE Chapter



## February Lunch



“Big thanks to all the members and potential members that made Jefferson City MSPE Chapter’s Free Chicken Lunch Event a huge success. It was our pleasure hosting the free event during Engineer’s Week.”  
-Jefferson City MSPE Chapter Facebook Page



## March Lunch

Linda Logan P.E. is an engineer with the Missouri Department of Conservation and presented on the Missouri Department of Conservation’s Infrastructure Asset Management. The meeting was on March 26 at MDC’s main office.



## Bridge Contest

The Jefferson City Chapter of MSPE held its Fourth Annual Model Bridge Building Competition on Wednesday March 6 at the Jefferson City High School’s Nichols Career Center Building. Contestants designed and constructed basswood model bridges and then the bridges were loaded until a point of failure. The contestants were split into

middle school, high school, and challenge divisions. The winning bridge had a structural efficiency of over 1500%!! The full results are included below. These events are a great way to get kids evolved in STEM. A huge thanks goes out to everyone who made the event a success and to all the contestants.

# Ozark Chapter News

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## Bridge Contest

Members of the Ozark Chapter and the Student Chapter at MSU came out in force on Wednesday, March 27 to support the 30th Annual MSPE Model Bridge Contest. The event, intended to challenge the creative ability of the students and to promote interest in the engineering profession, was held at Hammons Student Center at Missouri State University in conjunction with the Ozarks Science and Engineering Fair. The contest was open to area students in grades 5 through 12. Additionally, there were categories for Teachers / Sponsors, Engineering College Students, and area Engineers. Participants constructed bridges of 3/32" x 3/32" basswood sticks to span an opening of 300 mm (11-13/16") with the bridge mass being less than 20 grams (for reference, 20 grams is the weight of approximate 8 pennies!) and meeting other dimensional specifications. These bridges were loaded to failure at the contest, with the winners determined on the "efficiency" of the bridge (the failure load divided by the bridge mass), with

the exception of the Middle School Division, where the winners were determined based solely on the highest failure load. It is noteworthy that the top finishers in every category had bridges that carried in excess of 100 pounds!

This year a total of 349 basswood bridges constructed by local students representing 39 classes from 31 area schools were loaded to failure. Additionally, seven bridges were constructed by local engineering students and teachers/sponsors.

Finally, congratulations are also due Mr. Ryan Carlton of Ozark High School who took the class efficiency award with an average efficiency of 2,896.6 and a class average break weight of over 100 pounds.

Cash prizes and framed certificates will be awarded to these top contestants to commemorate their achievement. Additionally, as the top two finishers in the High School Division, Joshua and Logan were eligible to participate in the International Model Bridge Contest, held on Saturday,

April 6 in Baltimore, MD on the Homewood Campus of John Hopkins University.

Additional information regarding the contest, including the rules, the



full results, and some photographs from the contest can be found on the Ozark Chapter's MSPE webpage at <http://www.ozarkmspe.org> and following the Model Bridge Contest link.

For additional information, contact Shannon Shank or Stacy Bergmann at [OzarkModelBridge@gmail.com](mailto:OzarkModelBridge@gmail.com).

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## Discover Engineering Day

Saturday February 16th 2019 the Missouri Society of Professional Engineers (MSPE) delivered Discover Engineering Day at Missouri State University's (MSU) Plaster Center for Free

Enterprise. The event was a major success. There were 36 separate activities with several new activities. We estimate 300-400 people attended. A big thank you to all the volunteers at the event

and to all the people who helped spread the word. We look forward to next year and hope to see you there!

# Southwest Chapter News

## 18th Annual Regional Model Bridge Contest

On Tuesday, March 5, 2019 the Southwest Chapter of the Missouri Society of Professional Engineers held the 18th Annual Regional Model Bridge Contest at Missouri Southern State University in the Billingsley Student Center from 6 to 8 pm.

Bridges are designed and built by high school students using 3/32" x 3/32" lengths of Basswood. The bridge specifications require a maximum weight of 25 grams with maximum dimensions of length 350 millimeter by width 75 millimeter by height 100 millimeter.

The top three finishers received cash prizes of \$100, \$50 and \$25 respectively.

First place was Vanessa Enslow, a sophomore at East Newton High School. Her bridge weighed 17.87 grams and carried 45.5 pounds for

an efficiency ratio of 1,154.92. Her school sponsor is Richard Enslow.

Second place was Joshua Patterson, a senior at Neosho High School. His bridge weighed 23.34 grams and carried 48.0 pounds for an efficiency ratio of 932.84. His school sponsor is Mark Preston.

Third place was Blake Williams, a junior at Neosho High School. His bridge weighed 13.46 grams and carried 25.0 pounds for an efficiency ratio of 842.48. His school sponsor is Mark Preston.

Thirty students from four area high schools participated in the contest. The average efficiency ratio was 474.5.

Vanessa Enslow and Joshua Patterson were eligible to participate in the International Bridge Building

Contest in Baltimore, MD on April 6, 2019.

The Southwest Chapter of the Missouri Society of Professional Engineers congratulates all participants for their outstanding model bridges. Please contact the following for additional information:

Model Bridge Contest Chairmen  
Shiloh Burchfield or Roger Enslow  
Phone: 417-680-7200  
Fax: 417-680-7300  
shiloh.burchfield@AMCE.com  
or  
roger.enslow@AMCE.com



To find out more or to see the article posted by KOAM News Now, go to: <https://www.koamnewsnow.com/news/education/bridge-building-competition-held-at-mssu-for-local-students/1051387905>



## Trekk Meeting



The MSPE Southwest Chapter had several gentlemen from TREKK present at a luncheon meeting. Speakers included Jared Carey, Brandon Freeman and Ronald Thomann. Their topic was "Building & Implementing TREKK Technology Gizmos & Gadgets". There were 24 members in attendance.

# St. Louis Chapter News

## E-Week

The St. Louis Chapter of MSPE held their Annual Awards Banquet on February 15 honoring local Professional Engineers who have made significant contributions to the mission of MSPE. The chapter also awarded three scholarships to rising high school seniors. See below for a list of award recipients.

### **Scholarship Recipients:**

Julia Behlmann-Lafayette High School; Montel Gbewonyo-Marquette High School; Michael Esparza-Festus High school

### **Young Engineer of the Year: Eric Stauffer, P.E.**

Eric Stauffer graduated from SIUE with Bachelor's Degree in Electrical Engineering. Since beginning his career at Burns and McDonnell he has earned his Master's in Engineering Management from Missouri S&T. He is a Registered PE in Missouri and Illinois. Eric is currently working on substation projects, and was also instrumental in developing the initial design for one of Ameren's largest programs ever, Intelligrid. As a member of MSPE, Eric has coordinated the MATHCOUNTS St. Louis Chapter Competition for the past several years. He is also a member of IEEE including the Power and Energy Society.

### **Outstanding Professional Engineer in Government: Thomas Blair, P.E.**

MoDOT District Engineer Tom Blair has the honor and humbling task of leading more than 700 team members in operating the state transportation system in the St. Louis region. He oversees the district's \$250 million investment in the region and about 150 projects annually. Tom's expertise in regional mobility was critical to the success of projects such as the rebuilding of the award-winning I-64 project. In 2015, he received national industry and media acclaim for leading MoDOT's Road to Tomorrow team. Tom earned his undergraduate degree in civil engineering from Iowa State University and a Master's in Engineering Management from Missouri S&T. He has served in multiple leadership positions within the local ITE chapter (TEAM STL), including president in 2013.



Left: 2019 MSPE-STL Chapter Award Winners. From left to right: Ron Black, Thomas Blair, Paul Nauert, Eric Stauffer, Allen Minks, Michael Buechter (MSPE-STL Chapter President).

### **Outstanding Professional Engineer in Private Practice: Allen Minks, P.E.**

Minks is a graduate of Missouri S&T, with BS and MS degrees. He has over 35 years of experience in a wide variety of geotechnical studies. Allen has written reports for over 2,000 geotechnical projects with various geologic and subsurface conditions, and has worked on projects in 16 states and two foreign countries. Minks is a past president of the St. Louis Section of ASCE. He received ASCE's St. Louis Section's Professional Recognition Award in 2012 and the ASCE Edmund Friedman Professional Recognition Award in 2013. He is a member of the Missouri S&T Academy of Civil Engineers and currently serves on the Planning & Zoning Commission in Florissant, Missouri. Minks taught the geotechnical section of the MSPE PE Refresher course for over 15 years.

### **Outstanding Professional Engineer in Education: Paul Nauert, P.E.**

Paul J Nauert teaches Electrical Engineering as an Adjunct Professor at Washington University, and as Lecturer for Missouri S&T. He also teaches Ameren technical training courses for engineers and technicians. In 2015 Paul retired from Ameren after 35+ years. Paul is an IEEE Senior Member, former Vice Chair of the Power and Energy Society St. Louis chapter, and a member of the M S&T – Academy of Electrical & Computer Engineers. Paul graduated with a BS Electrical Engineering, UM – Rolla, 1978 Summa cum Laude; and with a MS Electrical Engineering-Power Option, Purdue U, 1980 Summa cum Laude. He is a registered PE in Illinois and Missouri and still practices as a consulting engineer.

### **Engineer of the Year: Ron Black, P.E.**

Ron Black, P.E., PMP is the Supervising Engineer - Design Support for Ameren Missouri. Ron holds a BS in Electrical Engineering from the University of Missouri-Columbia and a MBA degree from SIUE. He is currently the MSPE Immediate Past President and Government Relations Committee Chair; a Past President of St. Louis Chapter; the chapter's 2012 Outstanding Professional Engineer in Industry; and the 1998 Young Engineer of the Year for MSPE and St Louis Chapter. Ron currently serves on the Board of Directors of the Electrical Board of Missouri and Illinois. He also currently serves Ameren FEDPAC as Chairman of the Board. He has served previously with Maryland Heights Chamber of Commerce Board of Directors and Chairman of the Board and is member of Engineers Club of St. Louis, and IEEE.

# St. Louis Chapter News

## E-Week

The SciFest Engineering Expo at the Saint Louis Science Center in celebration of National Engineers Week (EWeek) was hosted by the Missouri Society of Professional Engineers (MSPE) and began Saturday, February 23, 2019 at 9:30 a.m. A variety of engineering fields were represented by organizations, government agencies, companies, and colleges.

Several engineering societies were present during the EWeek event in addition to MSPE. The American Society of Civil Engineers (ASCE) exhibit included a zipline for flight testing. The Engineering Center of St. Louis used cards to make houses that were then earthquake tested. The Society of American Military Engineers (SAME) Saint Louis & Scott Field Post launched wiffle balls



at a target using a catapult. The Society of Hispanic Professional Engineers (SHPE) had an additive manufacturing hands-on demonstration.

Boeing brought a miniature flight simulator and a virtual reality device. Geotechnology displayed their interactive ground penetrating radar. National Geospatial-Intelligence Agency (NGA) had a snap circuit board activity and civil engineering demonstrations. St. Louis Children's Hospital had 3D printing samples of hearts and other vital organs. The United States Army Corps of Engineers brought several hands-on models including

their water sediment transport model and levee protection model in addition to making life preservers.

The National Inventors Hall of Fame (HOF) navigated an Optibot. St. Louis Space Frontier had hands-on activities using Legos to build models for living in space. StraightUp Solar put real solar cells to use while participating in multiple solar energy demonstrations. Youth Exploring Science (YES) gave center stage presentations.

Several universities participated this year at the Science Center. Missouri University of Science and Technology (Missouri S&T) had their Student Design Center groups launching paper rockets using an air compressor with the Advanced Aero Vehicle Group (AAVG) (both airplane and rocket), Concrete Canoe, Human Powered Vehicle, iGEM, Mars Rover Design Team, Materials Advantage, Robot Design Team, Solar Car, Solar House and Steel Bridge. Southern Illinois University Edwardsville (SIUE) displayed their Cougar Baja Car in which kids could climb into and pretend they were racing with the best as well as their Solar Car, and their SIUE ASCE student chapter simulated earthquakes with their shake table.

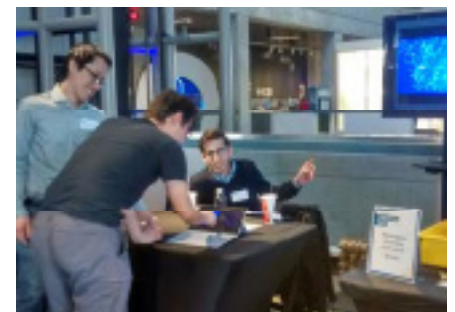
Spectra from Washington University demonstrated thermal imaging and Lew Lab painted with light using spectrophotometry. Maryville Science and Robotics Program displayed miniature robots created from their Science and Robotics Program.

The MSPE exhibit was located near the entrance of the Science Center next to the registration table and intrigued many throughout the two-day event. It

was comprised of a ramp, a ball at the top of the ramp, office supplies, and a Buzz Lightyear figurine. The objective was to have participants build a structure out of the given supplies to protect Buzz Lightyear, located at the bottom of the ramp, from being knocked over by the ball (a.k.a. the asteroid) that rolled down the ramp. The activity was popular with all age groups, and a variety of solutions were discovered.

A special thanks to these volunteers who made the MSPE exhibit a success: Michael Buechter, Marc Eshelman, Kathy French, Mike Hernke, Corey Meyer, Gary Meyer, Allison Morris, Jade Maria Pereira, & Eric Stauffer.

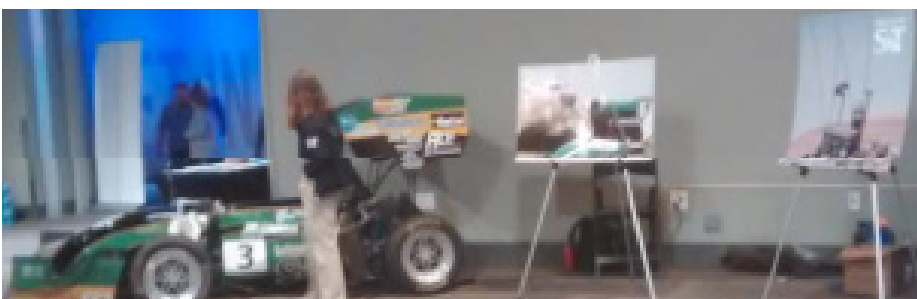
EWeek is nationally recognized and concluded in St. Louis, MO with the close of the Saint Louis Science Center (SLSC) at 4:30 p.m. on Sunday, February 24, 2019. Attendance was recorded Saturday with 5,260 people, and Sunday with 3,849 people. Thanks to our Science Center contacts Ruth Watt and Paul Freiling for making the SciFest Engineering Expo at the SLSC in celebration of National



EWeek a smooth and successful operation.

We are looking forward to next year's National EWeek celebration at the SLSC scheduled for February 22-23, 2020!

- Erin Jearls, MSPE



# St. Louis Chapter News

## Missouri S&T Presentation

MSPE members Erin Jearls (HDR) and Jennifer Kuchinski (WSP), along with Engineering Center of St. Louis member Everett Litton (WSP), spoke with Missouri University of Science and Technology ASCE chapter members Wednesday evening, January 30, 2019, regarding the merits of being an active member of MSPE. Erin explained that, in many ways, MSPE (and NSPE, on a national level) serves as an umbrella professional organization to a number of affiliated professional engineering organizations, protecting the profession through legislative activism while unifying our many diverse skill sets through a variety of professional community engagement activities. Erin shared with the students the history of MSPE as well as the variety of ways MSPE supports and promotes the profession throughout the state. Erin offered example programs such as MathCounts, Engineers' Week STEM Science Center educational

stations, and even the PE Refresher Course aimed at helping preparing engineers about to take the PE exam for licensure.

Meanwhile, Everett and Jennifer provided testimonials of what membership in professional organizations have meant to their careers.

The evening was concluded with Erin, Jennifer and Everett presenting on individual projects that were meaningful to each on a personal level as well as how each project ultimately benefitted from the networking skills gained by each professional through

organizations such as MSPE. Erin presented on a MSD waste water treatment plant project. Erin and Everett combined to present on a large tunneling program, delving into geotechnical and tunneling factoids of the program. Lastly, Jennifer presented on an airport project in which she cut her teeth early in her career and another to demonstrate the amount of communication and coordination with a variety of professional engineers necessary to successfully complete a typical project.



Photo taken by Jennifer Kuchinski; Erin Jearls and Everett Litton, presenting to the Missouri S&T ASCE student chapter.

## April Luncheon

MSPE St. Louis Chapter members met on Thursday, April 18 for a great joint luncheon at the Engineers Club of St. Louis. There were almost 80 in attendance, with 50% MSPE members and guests.





# Western Chapter News

## E-Week and Awards

Engineers Week is a special week set aside every year to honor our engineering profession and to celebrate our accomplishments, as well as to celebrate the accomplishments of some very special youth. The Annual Kansas City Metro Engineers Week Luncheon was held Thursday, February 21, 2019 at the Downtown Kansas City Marriott in conjunction with the national Engineers Week celebrations. This year's luncheon in Kansas City was again co-hosted by the MSPE Western Chapter and KSPE Eastern Chapter, with Kyle Roberts, P.E., current President of the Western Chapter of MSPE, serving as the Chair of this year's Engineers Week Committee and MC of the luncheon.

Local student award winners were honored at the luncheon, including the local Mathcounts, Bridge Building, and Future Cities contests. Also honored at the event was the Western Chapter Young Engineer of the Year Award Recipient, Eric Strack, P.E. Approximately 500 people were in attendance

at the Kansas City luncheon, continuing the tradition of making this annual luncheon in Kansas City one of the largest celebrations of engineering in the country for Engineers Week.

Proceeds from the event went to the Education Foundation of each chapter, which work to provide scholarships to engineering students at accredited universities and help fund STEM activities in our community throughout the year.

-Kyle Roberts, P.E., LEED AP, PMP



# Professional Card Listings



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www.a2vpe.com

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