



# ST. LOUIS ENGINEER

FEBRUARY 2020  
VOLUME XIV, ISSUE VI

## 69<sup>th</sup> National Engineers Week Reception and Awards Program

**When:**

Friday, February 7th, 2020  
6:30-8:30 PM

**Where:**

The Engineering Center  
4359 Lindell Blvd  
St. Louis, MO 63108

**Program:**

Networking at 6:30 PM  
Dinner at 7:00 PM  
Program Begins at 7:30 PM

**RSVP at:**

<https://mspe.org/event-3644141>  
\$50 Per Person

Deadline for Registration is 1/31!

## 2020 Awards

**ENGINEER OF THE YEAR  
THOMAS RATZKI, P.E.**

**OUTSTANDING PE IN INDUSTRY  
EDWARD GERDING, P.E.**

**YOUNG ENGINEER OF THE YEAR  
ERIC HOLLMANN, P.E.**

**OUTSTANDING PE IN EDUCATION  
DANIEL GIAMMAR, PH.D., P.E.**

**OUTSTANDING PE IN PRIVATE PRACTICE  
NICOLE YOUNG, P.E.**

**MSPE HALL OF FAME RECOGNITION  
DENIS FESSLER, P.E.**

### INSIDE THIS ISSUE . . .

President's Message....Page 2  
Calendar Update.....Page 3  
Call for Nominees for MSPE St. Louis Chapter  
Leadership Positions .....Page 4

SciFest Engineering Expo....Page 5  
2020 MATHCOUNTS Competition.....Page 6  
MSPE Winter P.E. Ceremony.....Page 7  
2020 MSPE Capitol Day....Page 8

2020 EWeek Celebration....Page 9  
ADVERTISE HERE! .....Page 10

# P R E S I D E N T ' S M E S S A G E



Hopefully you will be able to take a break from the usual and enjoy this coming EWeek! Founded by NSPE in 1951, EWeek (February 16-22, 2020) is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers. Today, EWeek is a formal coalition of more than 70 engineering, education, and cultural societies, and more than 50 corporations and government agencies. EWeek continues to promote recognition of the importance of a technical education and motivates youth, to pursue

engineering careers.

Myself I am planning to enjoy several EWeek events. First, our Section's Annual Award Dinner held at the Engineering Center on February 7<sup>th</sup>. We have several deserving award and scholarship winners and I look forward to enjoying their success. Secondly, also preceding EWeek but again well within the mission of EWeek our Chapter will participate in the St. Louis MATHCOUTNS competition. If you ever need some renewed excitement about today's youth, or a bit of humility, there are few venues more suitable, the skill of the young participants is beyond surprising. Finally, I plan to save Buzz Lightyear at the St. Louis Science Center the weekend of 22<sup>nd</sup>! This will be part of our Chapter's participation in the SciFest Celebration of National Engineers Week. So please find more details of all these events in this newsletter and plan to join us to volunteer or to celebrate the profession!

Finally if you still need motivation to enjoy EWeek I suggest you visit the NSPE website and take a look at the STEM poetry slam.

<https://www.nspe.org/resources/podcasts/1-introducing-nspe-speaks>

## **Nehemiah Mabry, EIT, and the STEM poetry slam**

**Future Engineers | STAY WITH IT (2012)** Future Engineers... It's our time and you gotta own. If you got the *force* to go the *distance* than it's your *moment*. But you gotta stay up on it. You *ask[x]* the *why[y]* component? I choose *STEM* because it sales [*cells*] and I think that I can clone it. But we cannot possibly settle for mediocrity, much less quit and hang it up – like *apostrophe*. So success then is *probable*, though the *stats* said it wasn't. Your *confidence limits* how much *negativity* affects your *absolute value* – it doesn't. See, a great future is near but you just must exercise a little patience to chase it...

So hopefully you can join us and have a wonderful *EWeek* and can emerge with renewed excitement. If you have any questions about anything related to *EWeek* or wish to become more active in MSPE please call or email me, Michael T. Buechter at 314-768-2772 or [mtbuec@stlmsd.com](mailto:mtbuec@stlmsd.com).

Happy *EWeek*!

Michael T. Buechter, PE, D.WRE, F.EWRI

## Missouri Society of Professional Engineers - St. Louis Chapter 2020 Calendar

Feb-20						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

Mar-20						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Apr-20						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

May-20						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Jun-20						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

- Kickoff Meeting Chapter/Foundation Board Meeting
- Chapter/Foundation Board Meeting
- Newsletter Deadline for Article Submittals, President's Message, Program Information, Etc.
- Tentative Program Dates
- 2020 Eweek
- Missouri Engineer Article Deadline Dates

**Potential Programs, potential 3rd Thursday of the month:**

- February:           7th - Awards Dinner (Green)
- March:             TBD
- April:              TBD
- May:                Chad Raley Ameren Solar Facilities (Black, Engleman)
- June:               Greg Kuntz Poplar Street Bridge Relocation, Officer Installation (Buechter)



## ***Call for Nominations for MSPE St. Louis Chapter Leadership Positions***

Please consider submitting potential nominees for consideration by the Nominating & Tellers Committee for the upcoming 2020-2021 election. Final nominations may be made by the committee and also by petition signed by 10 percent of the members eligible to vote. **The deadline for submitting nominees is April 1, 2020.** Nominations should include a resume or biographical sketch.

The available positions are listed below:

- Secretary
- Chapter Directors (2 positions available)

Additional information including a description of the Chapter structure, as well as descriptions and requirements for each open role are provided in the St. Louis Chapter Leadership Manual:

[https://mspe.org/resources/Documents/st\\_louis\\_chapter\\_leadership\\_manual\\_2019\\_2020%20v1.pdf](https://mspe.org/resources/Documents/st_louis_chapter_leadership_manual_2019_2020%20v1.pdf)

Questions or nominations should be submitted to Josh Crews [joshua.crews@Bayer.com](mailto:joshua.crews@Bayer.com)



ST. LOUIS CHAPTER  
MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS



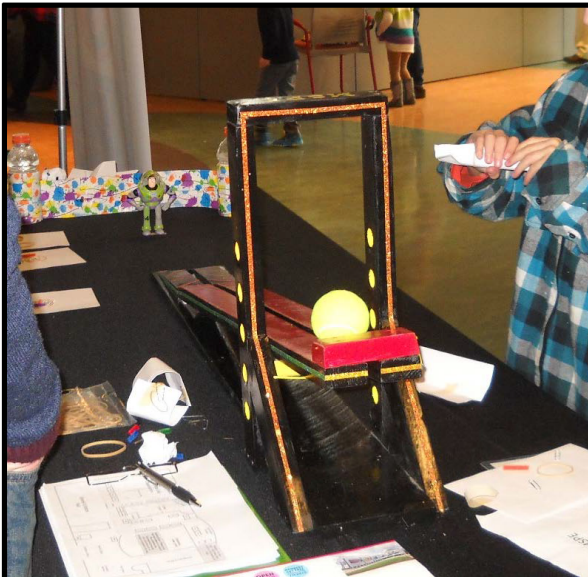
## *Volunteer Opportunity!!!*

The MSPE St. Louis Chapter coordinates the SciFest Engineering Expo event at the Saint Louis Science Center every year in celebration of National Engineers Week (EWeek). This year MSPE will again be hosting an exhibit at the Science Center on **Saturday, February 22, 2020 from 9:30 a.m. – 4:30 p.m.** Volunteers are needed to help assist in the MSPE exhibit. Volunteer shifts are in two hour time slots (see table below). Please contact Erin Jearls at [erin.jearls@hdrinc.com](mailto:erin.jearls@hdrinc.com) if you are interested.

### Available time slots include:

MSPE Exhibit Time Slots	Saturday, February 22, 2020	
9-11 a.m.		
11-1 p.m.		
1-3 p.m.		
3-4:30 p.m.		

The ever popular MSPE Exhibit will be the same as in previous years. It is comprised of a ramp, a ball at the top of the ramp, and a Buzz Lightyear figurine at the bottom of the ramp. The volunteers distribute a set number of supplies (rubber bands, tape, paper, paper clips, & pipe cleaners) to each participant. The objective is to have participants build a structure out of the given supplies that will divert or stop the ball rolling down the ramp (aka “the asteroid”), and as a result avoid hitting Buzz Lightyear located at the bottom of the ramp.





BROUGHT TO YOU BY:  
NSPE-MO ST. LOUIS CHAPTER  
MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS

## Volunteers Needed! for 2020 MATHCOUNTS Competition



I am searching for volunteers for the 2020 St. Louis Regional MATHCOUNTS Competition. The date of the competition is Saturday, February 15, 2020 and it will be held at the Florissant Valley Campus of St. Louis Community College. Volunteer positions range from 7:45am to 2:00pm. Please reply if you are available and willing to donate your time. Also, in your reply please include your range of availability and/or if you have a specific position you would like to be in: from unpacking to the MC proctor.

MATHCOUNTS provides fun and challenging math programs for middle school students across the United States. The organization helps students increase their academic and social opportunities through club and competition events revolving around mathematics. These events help students develop a foundation for success in science, technology, engineering and mathematics.

The top individuals and the top teams from the St. Louis Regional Competition are invited to compete at Missouri State Competition in Columbia, MO. Results at the state level determine who earns the honor of representing their state at the National Competition.

Giving these students a fun environment to show of their knowledge is really what STEM outreach is all about!

**If you would like to learn more about MATHCOUNTS or would like to get involved, please contact Eric Stauffer at [emstauffer@burnsmcd.com](mailto:emstauffer@burnsmcd.com).**

Thanks for your time.

## ***MSPE Winter P.E. Ceremony***

Members,

Join us in Jefferson City on February 7th to recognize all newly licensed P.E.'s in the state of Missouri. After the ceremony, newly licensed P.E.'s and their friends & family are invited to attend a cookie and punch reception on the 3rd-floor rotunda of the Capitol. This biannual event is hosted jointly with the Missouri Board of Architects, Professional Engineers, Professional Land Surveyor, and Professional Landscape Architects.

**1:00 pm - 2:00 pm** Newly Licensed P.E. Certificate Presentation (Includes family, friends, employers)

**2:00 pm - 3:00 pm** Cookie and punch reception following ceremony on 3rd floor of Capitol rotunda

**3:00pm - 3:30 pm** Order of the Engineer Ceremony

Graduate and registered engineers are invited to accept the Obligation of the Engineer and purchase a stainless steel ring (for \$15). The ceremonies are conducted by Links (local sections) of the Order.

The Order is not a membership organization; there are never any meetings to attend or dues to pay. Instead, the Order fosters a unity of purpose and the honoring of one's pledge lifelong.

The Obligation is a creed similar to the oath attributed to Hippocrates (460-377 B.C.) that is generally taken by medical graduates and which sets forth an ethical code. The Obligation likewise, contains parts of the Canon of Ethics of major engineering societies. Initiates, as they accept it voluntarily, pledge to uphold the standards and dignity of the engineering profession and to serve humanity by making the best use of Earth's precious wealth.

To register, go to: <https://mspe.org/event-3660223>

## ***Mark your calendar for the 2020 MSPE Capitol Day!***

MSPE Members,

Come advocate and represent your industry issues at the 2020 MSPE Capitol Day! Capitol Day will be Tuesday, February 11, 2020. Spend the day learning and meeting with legislators to discuss key issues affecting your profession. There will be a legislative overview to start the day at the MSPE office with contract lobbyist Mark Rhoads and Executive Director Travis Lowe, followed by time at the capitol. You will not want to miss this opportunity to educate lawmakers on the importance of Licensed Professional Engineers!

Member registration is free! Please register by January 31 by clicking here: <https://mspe.org/event-3653969>

Remember, if we are not at the table, we are on the menu.





**Important Save the Dates**



# 2020 ENGINEERS' WEEK CELEBRATION HOSTED BY THE ENGINEERING CENTER OF ST. LOUIS

**TUESDAY, FEBRUARY 18TH  
11:15 AM - 1:30 PM  
LUNCHEON EVENT**

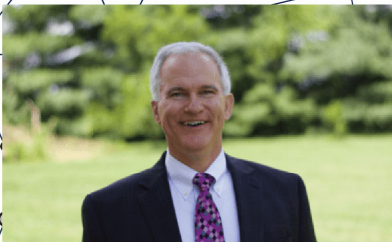
*CLAYTON PARK PLAZA  
7750 CARONDELET AVENUE  
CLAYTON, MISSOURI 63105*

\$60/PER INDIVIDUAL OR \$600/PER TABLE

*PLEASE REGISTER USING THE FOLLOWING LINK:*

*<https://www.eventbrite.com/e/2020-engineering-center-luncheon-tickets-83062017731>*

Please join us for the 2020 Engineers Week Celebration Luncheon to honor the St. Louis Engineering Community. The Engineering Center of St. Louis recognizes engineers, and those individuals related to the engineering industry, as those who are building a better and stronger tomorrow.



**THIS YEAR'S SPEAKER IS BOB RAMSEY  
PROFESSIONAL LEADERSHIP COACH**

Bob will excite the crowd with a true story of the 2008 Olympics and the 100m freestyle swim relay that took place. During this race, the French were heavily favored to win over the Americans. As the race began, the Americans fell behind, but then something amazing happened! Bob will take you on a journey to discover the answer of how the Americans overcame the initial deficit and won the race! You will walk away with the tools to motivate people to a higher level of performance than you ever dreamed possible.

## **ADVERTISEMENT OPPORTUNITY!**



**Are you looking to advertise your business in the St. Louis area to a focused group of Engineers?**

**Look no further than the MSPE—St. Louis Engineer Newsletter!**

Your company or message will be directly connected to hundreds of Engineers in the Greater St. Louis Area in various companies and industries.

If you are interested, contact Adam Zuroweste at [azuroweste@burnsmcd.com](mailto:azuroweste@burnsmcd.com)

**YOUR  
AD  
HERE**

