



ST. LOUIS ENGINEER

Missouri Society of Professional Engineers (MSPE)
and American Society of Civil Engineers (ASCE)
May Joint Luncheon

NOW ON-LINE — PLEASE NOTE THE REVISED DATE

Morals, Ethics, and Integrity – Know Your Line in the Sand

Abstract: In this presentation the speaker explores definitions of terms related to ethics in professional practice, presents current examples of ethically questionable situations, and discusses ways to recognize a slippery slope early in the process. Ethics is not just a list of rules – right and wrong are not always easy to discern. How do ethics and legality interplay in decision making? Cognitive dissonance is discussed in the context of making ethical decisions amid conflicting values and beliefs. When repeated, ethical decision-making becomes habitual and leads to a more reflexive process for our future decisions.

About the Presenter: DALE SMITH, P.E., F.ASCE, holds a bachelor’s degree in Geological Engineering from the Missouri University of Science and Technology and a master’s degree in Civil Engineering from the University of California, Berkeley. Smith is Geotechnology’s south region geotechnical manager with 16 professional staff, currently located in their Memphis, Tennessee office. He worked for the U.S. Navy and three engineering firms before moving back to St. Louis for a position with Geotechnology where he has been employed since the summer of 1995. In his time with Geotechnology he has managed a wide array of projects and worn many hats, including managing the Illinois office for 9 years and project managing jobs ranging up to the recent MSD River Des Peres combined sewer overflow tunnel exploration. Currently he is managing projects for Tennessee and Arkansas DOTs. He was awarded the Geotechnology Ronald M. Eckelkamp Leadership Award in 2017.

Thursday, May 28, 2020 from 12:00 PM to 1:00 PM

One (1) PDH is available.

Please Register at: <https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eh21x6v60f2c7249&oseq=&c=&ch=>

Cost: This is a no cost event

May Joint Luncheon

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

MSPE St. Louis Chapter



I hope you have been able to successfully adjust to the “new normal,” many of you may now be working from home for the first time, struggling with childcare and all of us are trying to practice social distancing. For me this crisis, and all the changes, are unlike any in recent memory. As you strive to stay on top of all the changes remember that NSPE and MSPE are resources for you.

NSPE has been playing an important role in informing members and providing resources. On April 2, the Society hosted a free webinar highlighting actions taken at the federal and state level that affect licensure and small businesses. NSPE’s government relations team has been hard at work identifying Covid-19 executive orders and legislation. Online, real-time updates track support for small businesses and changes to licensure

requirements. You may find more about NSPE’s response on-line at:

<https://www.nspe.org/resources/pe-magazine/recent-issues/2020-05>.

At the state level MSPE’s 2020 Annual Convention scheduled for June 15-17 will be converted to a virtual event. The virtual event will still allow governance business to be conducted while also offering several PDH opportunities for members. There is a modest registration fee to attend the live PDH webinar section of the event, which opens on May 1. However, there is no charge to participate in the business meetings or the awards presentation.

At the local level we have moved our May luncheon to an on-line event, please see details in this newsletter. The event, *Morals, Ethics, and Integrity – Know Your Line in the Sand*, presented by Dale Smith, PE, F.ASCE, is a joint event with the ASCE. This event really highlights the sort of professional topics MSPE can bring to members.

Professional engineers play a vital role in society, but often behind the scenes. They design, construct, and maintain the critical infrastructure that keeps the US moving—water, power, transportation, to name just a few. And they keep us healthy through their work in areas like medical facilities, agriculture, and biomedical engineering. I hope you may make the most of these trying times and find MSPE and NSPE great resources in your important tasks.

I hope you may join us for our May event. Also please take a moment to congratulate our new officers, outlined in this newsletter, who have taken the challenge. I encourage you to join us for our May event and if you wish to become more active in MSPE please call or email me, Michael T. Buechter at 314-768-2772 or mtbuec@stlmsd.com.

Stay Well,

Essayons! (Motto of the U.S. Army Corp of Engineers, Let Us Try!)

Michael T. Buechter, PE, D.WRE, F.EWRI, 314-768-2772 or mtbuec@stlmsd.com.

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Erin Jearls, P.E.
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Missouri Society of Professional Engineers - St. Louis Chapter
2020-2021 Calendar

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:

- April: Morals, Ethics, and Integrity - Know Your Line in the Sand (Smith)
- May: Chad Raley Ameren Solar Facilities (Black, Engleman)
- June: Greg Kuntz Poplar Street Bridge Relocation, Officer Installation (Buechter)



**MSPE St. Louis
June Luncheon**

**Missouri Society of Professional Engineers
(MSPE) June Luncheon**

Thursday, June 18th, 2020

Sliding the Poplar Street Bridge

Abstract: *The Poplar Street Bridge is a 50 year old five span (300'-500'-600'-500'-265') 2165' long structure which carries I-64 & I-55 over the Mississippi River in downtown St. Louis and connects Missouri and Illinois. The bridge has twin Eastbound and Westbound superstructures consisting of two variable depth steel box girders (25' max. depth) with an orthotropic steel deck on a shared substructure.*

The Missouri Department of Transportation hired HDR to provide the following improvements to the Poplar Street Bridge:

1) Increase lane capacity of the EB Bridge from 4 to 5 lanes in conjunction with improving interchange ramp structures on the Missouri side, 2) provide a new and improved riding surface and 3) Rehabilitate the structure.

A unique aspect of the project was the sliding of the existing bridge. In lieu of a traditional widening, the eastbound superstructure was successfully slid 9' to the south onto widened piers on March 31, 2018 over the course of 2.5 hours and was widely reported as the 2nd longest bridge slide ever in the United States by length. The eastbound and westbound superstructures were then connected together using a concrete deck on a stringer-floor-beam type cross frame system which added redundancy and improved the performance of the structure.

Greg Kuntz is Bridge Section Manager in HDR's St. Louis office. He is a graduate of the University of Missouri-Rolla and the University of Kansas. He has nearly 20 years of experience in the management, design and construction of highway bridge projects, primarily for the Missouri Department of Transportation. His projects include numerous major river crossings and complex rehabilitations

Time, Date, Location

11:30am to 1:00pm, Thursday, June 18th, 2020, at the Engineering Center, 4359 Lindell, St. Louis 63018. Registration starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH is available.

Cost: \$20/person

Registration : <https://mspe.org/event-3735052>

MSPE St. Louis

Chapter Leadership Position Candidates

Please review the candidates for MSPE St. Louis Chapter board positions for 2020-2021. Candidate information for new additions to the board are below:

Secretary: **Eric Stauffer, P.E.** is an Electrical Engineer in the St. Louis office of Burns and McDonnell. He has worked in the Transmission and Distribution department since joining Burns and McDonnell in 2014. He earned his BS in Electrical Engineering at Southern Illinois University Edwardsville and MS in Engineering Management from Missouri University of Science and Technology. Eric Stauffer joined MSPE in 2015 and has been coordinating the St. Louis Chapter MATHCOUNTS competition for the last 4 years.

Chapter Director (2020-2023): **Adam Zuroweste, P.E.** As a Senior Mechanical Engineer and Project Engineer with Burns & McDonnell, Adam has over 11 years of experience making his clients successful in all project phases: engineering, procurement, and construction (EPC). Through leadership of diverse teams, he has effectively designed, implemented, and constructed systems for a vast array of applications. Adam continues to enjoy his involvement with MSPE and looks forward to networking with his fellow engineers and community.

Chapter Director (2020-2023): **Erin Jearls, P.E.** has been a member of MSPE since 2008. She has made many strong contributions to MSPE and has successfully and diligently led the Engineers Week Science Center event since 2011. Erin has worked at HDR for over 13 years as a wastewater project engineer.

We have set up a Survey Monkey to approve the proposed Secretary, and Chapter Directors. Please vote on chapter board members at: <https://www.surveymonkey.com/r/G2TWTVN>

