



ST. LOUIS ENGINEER

St. Louis Chapter Missouri Society of Professional Engineers

ST. LOUIS CHAPTER MSPE CHAPTER WORKSHOP

This event will provide an opportunity for Chapter Members and Leaders to learn more about the workings of MSPE and the St. Louis Chapter as well as to provide input and discuss opportunities and challenges for improving the future of the Chapter and improving service to members.

Friday, September 28, 2018
8:00 AM to 10:00 AM

At:
The Engineering Center of St. Louis
4359 Lindell Blvd. – St. Louis Missouri, MO 63108

Coffee, juice and donuts provided

Please RSVP with Michael Buechter at mtbuec@stlmsd.com
Or call 314.768.2772

This is a no cost event to current or potential MSPE members.

MSPE September 2018 Program

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



It is with humility, gratitude and excitement that I begin to serve as President of the St. Louis Chapter of the Missouri Society of Professional Engineers (MSPE). I, as a Civil Engineer, have always been fascinated by the important, even irreplaceable, role Engineers have played in the development of our modern world. I recently ran across a quote from David McCullough (author of *The Path Between the Seas* and *The Great Bridge* among others) that summarizes my view. He states, "Generally speaking, I've felt strongly for a long time that the civil engineers-the technicians of American life in the period after the Civil War before World War I-were greatly underrated." Organizations such as MSPE can play an important part in celebrating and representing the work of Engineers, and in the case of MSPE not just Civil Engineers but all Engineers.

Current events remind us our world and region face many challenges where Engineers should play an important part in the solution. I was reminded of the ubiquitous role Engineers can play in our day to day lives in all sorts of ways by the recent duck boat disaster on July 19 here in Missouri where 17 people unfortunately lost their lives. After this event I came upon an article on July 29 in the Post-Dispatch titled "Duck Boat Designer had no Engineering Credentials." The article discusses how modifications were made to the original duck boat design that may have contributed to the disaster. The article quotes one of the attorneys involved about the modifications and their being done by someone not qualified as an Engineer, "I just think, gosh, it would be like me practicing law without a license."

MSPE has responded too many of these challenges with exciting initiatives that provide a framework for thoughtful action. These initiatives include among others: P.E. Day, a P.E. Licensure Ceremony, and representing the interest of Engineers in the state capital during legislative sessions as outlined on-line at: <http://mspe.starchapter.com/images/MSPELobbyistReport.pdf>. While our regional challenges MSPE is working to address may be more familiar to us they, unfortunately, are common elsewhere. So these challenges and MSPE's initiatives provide us an exciting opportunity to think globally and act locally.

At the Section level we will be having a Section Workshop on Friday, September, 28th, from 8AM to 10AM at the Engineering Center of St. Louis at 4359 Lindell Blvd. This workshop will provide great ways to become familiar with the Chapter, its members and opportunities to participate. Please consider attending, and if you plan to or have questions I ask you call or email me, 324-768-2772 or mtbuec@stlmsd.com. Many rewards can spring from participation in the Section; get involved and remember the words of James Eads, "Fortune favors the brave...drive on is my motto."

While the answers to today's challenges may require different approaches than those of the Victorian era, Engineers of all stripes must play a part; it's time to resurrect our inventiveness. It's a simple adage, but "doing more with less" leads to creative engineering. For in the words of James Eads, "The man who can by his inventive genius cheapen light or heat or the supply of water to the masses is greater than a general." So join MSPE, get active, save the world!

Essayons! (Motto of the U.S. Army Corp of Engineers, Let Us Try!)
Michael T. Buechter, PE, D.WRE

St. Louis Engineer

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Adam Zuroweste, P.E.
Mike Rademacher, E.I.
Jeremiah King, P.E.
Erin Jearls, P.E.
Marc Eshelman, P.E.
Jennifer Kuchinski, P.E.

St. Louis Chapter MSPE 2018-2019 Officer Installation

The 2018-2019 Officers of the St. Louis Chapter of MSPE were installed into their positions at the Officer Installation Ceremony held on July 9th, 2018 at the Metropolitan St. Louis Sewer District. Bob Becnel, PE, the current MSPE Vice-President conducted the ceremony. Dr. Joshua Crews, Immediate Past President, was presented with a plaque for his service to the organization.

The officer slate for the 2018-2019 year is as follows:

Officers

Past President: Joshua Crews, PE, PMP, PhD

President: Michael Buechter, PE, D.WRE

Vice President: Eric Hayes, EI

Treasurer: Rebecca Losli, PE

Secretary: Allison Morris, EI

Chapter Directors:

Michael Rademacher, PE

Jeremiah King, PE

Adam Zuroweste, PE

Erin Jearls, PE

Marc Eshelman, PE

Jennifer Kuchinski, PE

State Directors:

Breck Washam, PE

Jeffrey Hoevelmann, PE

Tom Ratzki, PE



Michael Buechter, President, presents Joshua Crews, Immediate Past President, with a commemorative MSPE plaque.



Attendees at the July 9th meeting.



The 2018-2019 Officers. From Left to Right: Rebecca Losli, Michael Buechter, Joshua Crews, Allison Morris, Eric Hayes

August 1, 2018

National PE Day August 1, 2018

Missouri Society of
Professional Engineers



#LicensedPEDay

"Being a PE has given me the opportunity to work with other professionals in the fields of Mental Health, Wind Energy,, Solar Energy, agriculture, banking, law, manufacturing, chemical production, and so many more. I do not know of another profession which is called on by such a wide range of clients. I have always enjoyed problem solving, and **as a Professional Engineer we get to work with a team of great people** to solve our clients' problems each and every day. **MSPE has given me the opportunity to improve my soft-skills, including leadership skills, which has helped me advance my career."**

-MSPE President Michael Purol





State of Missouri

Governor's Proclamation

WHEREAS, licensed professional engineers combine their creative genius with practical application to make a world of difference by applying scientific knowledge and technical skills in ambitious and innovative ways while holding paramount the public health, safety, and welfare; and

WHEREAS, Missouri's licensed professional engineers help change the state and world by testing limits, defying the norms, and taking risks to make the best use of the Earth's precious resources; and

WHEREAS, it is both important and appropriate to salute the licensed professional engineers' commitment to turning ideas into reality by recognizing their many accomplishments and the positive impact they make on our quality of life; and

WHEREAS, the National Society of Professional Engineers was founded in 1934 and represents more than 31,000 licensed professional engineers and those on the path to licensure who show the highest level of dedication to protecting the public health, safety, and welfare throughout all 50 states and United States territories; and

WHEREAS, on August 1, 2018, the Missouri Society of Professional Engineers, in conjunction with the National Society of Professional Engineers, will celebrate Professional Engineers Day.

NOW THEREFORE, I, Michael L. Parson, GOVERNOR OF THE STATE OF MISSOURI, do hereby proclaim August 1, 2018, to be

PROFESSIONAL ENGINEERS DAY

in Missouri, and urge the citizens of our great state to recognize the important role professional engineers play in the quality of our daily lives and advancing our future.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Missouri, in the City of Jefferson, this 18th day of July 2018.



Michael L. Parson
GOVERNOR

ATTEST:

SECRETARY OF STATE



**Missouri Society of
Professional Engineers**

Congratulations! on your PE License



2018 Fall P.E. Ceremony 2:00 p.m. Saturday, September 29, 2018 Capitol Rotunda, Jefferson City, Missouri

P.E. Certificate Presentation Ceremony

Recognizing Missouri's newly registered professional engineers hosted by the Missouri Society of Professional Engineers in conjunction with the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects



**Keynote Speaker: Honorable John R. Ashcroft
Missouri Secretary of State**

*For more information see www.mspe.org or contact MSPE Director of Membership
Stacey Meyer at smeyer@mspe.org*

CALL FOR NOMINATIONS SOUGHT FOR AWARDS

Please consider nominating a fellow member, colleague, customer or company for one or more of the St. Louis Chapter's Awards this year. The awards will be presented at the annual Engineers Week Awards Banquet. Deadline for submitting nominees and applications is the **Friday December 15th**. Nominations should include resume, biographical sketch or completed application form.

A full list of past award winners, award descriptions and specific qualifications is available on the website <http://mspe.org/content.php?page=St. Louis Chapter> under *St. Louis Chapter History*.

Questions or nominations should be directed to Awards Committee Chair, Michael Rademacher, mrademacher@burnsmcd.com

Engineer of the Year

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Young Engineer of the Year

- Age 34 or younger as of January 1, 2016
- Membership in MSPE and NSPE *is* required

Outstanding PE In Government

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Outstanding PE Private Practice

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Outstanding PE in Construction

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Outstanding PE in Industry

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Outstanding Professional Engineer in Education

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Qualifications-Based Selection (QBS)

- Company award

Private Practice Professional Development (PPPD)

- Company award