

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 2019-2020 MSPE President

Bob Becnel, P.E., F.NSPE



It is customary for the new MSPE President to host a “President’s Workshop” early in the year. This year was no exception. On September 13, 2019, Stacey Ober from the National Society of Professional Engineers (NSPE) home office in Alexandria, Virginia spent the day with us and shared that which NSPE can do for “you”.

During Stacey’s presentation, she emphasized those areas that are especially important in the new Integrated Model of Membership. For example,

- The NSPE Code of Ethics for Engineers was recently updated in July 2019. If you use this in presentations or at Chapter meetings, consider printing a copy out for all of your

PEs and EIs in the office.

- The Golden Report available in the Leadership Toolbox is distributed twice monthly and now organized by the NPSE behaviors as approved by the House of Delegates this past summer.

- Examples of the remarkable successes that NSPE has had in defending licensure as highlighted through the news of the gas pipeline safety.

- The reminder that MSPE Past President David C. Howe, P.E., received the PEPP Award. Likewise, Dr. Daniel B. Oerther, P.E. of Missouri University of Science and Technology received the PEHE “2019 Engineering Education Excellence Award” Also, Eric Strack, P.E. received a plaque of appreciation for assistance in creating a conference series for emerging leaders.

A new Young Engineers Committee was created this year to give a voice to the next generation of members within our Society. This group of individuals will be meeting virtually with a launch later this month.

As professionals, we are dedicated to giving back to our profession and there cannot be a better way to preserve the Society than supporting these young women and men.

The Young Engineer Representative serving on the Executive Committee, Charlies Loughman, serves as the Committee’s Chair. He is focusing on a few key areas to nurture the new Committee along. Areas identified include PE and FE Exam Review, Student Chapter Outreach and establishment of a Mentorship program. We can all relate to being a new or young engineer just out of school and understand first-hand how beneficial our career was with that helping hand or words of wisdom. As members, please consider reaching out to our new or younger members at a Chapter meeting.

Invention is as synonymous with engineers as creativity is with artists. The United States Patent and Trademark Office (USPTO) is a wonderful government

(Continued on Page 3)

“Like many Professional Engineers, my early career required a PE for advancement and that was the guiding principal. However, I was fortunate to have gotten involved with NSPE prior to becoming a PE which allowed me to gain a better appreciation for the importance of licensure and what it represents.”

-Bob Becnel, P.E., F.NSPE, MSPE President, 2019-2020

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Editor's Message: Please enjoy the 2019 Fall 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 rnincehelser@mspe.org. Thank you, and enjoy your read!
-Rachel Nincehelser, Editor, Director of Communications

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MISSOURI SOCIETY OF
PROFESSIONAL
ENGINEERS

A Message From Your 2019-2020 MSPE President (Continued)

Bob Becnel, P.E., F.NSPE

service ensuring that our country remains economically and technically competitive. The USPTO is considered the gold standard among the world's industrial countries in observing and protecting intellectual property. As engineers, don't let the sweat and toil of your potential inventions go unrecognized. There are three types of patents which are summarized direct from the USPTO website:

- 1) Utility patents may be granted to anyone who invents or discovers any new and useful process, machine, article of manufacture, or composition of matter, or any new and useful improvement thereof;
- 2) Design patents may be granted to anyone who invents a new, original, and ornamental design for an article of manufacture; and
- 3) Plant patents may be granted to anyone who invents or discovers and asexually reproduces any distinct and new variety of plant.

Inventions are not only a prestigious acknowledgement of your expertise and skill, but a sure way of preserving your firm's intellectual property. The "First to File" rather than "First to Invent" method became the practice in 2013. This is a topic that isn't discussed much at Society events but may apply to your experience. Be sure to talk to a patent attorney if unsure how to proceed. There are many short courses on this topic as well.

-Bob Becnel, P.E., F.NSPE
MSPE President

Welcome New Members!

Jefferson City Chapter

Michael Lilien, P.E.
Ameren Missouri
Jefferson City, MO

Northeast Chapter

Everett Baker
Macon, MO

Mansoor Jadoon, Student
Dorsch
Abudhabi City

Ozark Chapter

Ben Carnahan, P.E.
Boeing
Nixa, MO

Aaron Weaver (Student)
Missouri S&T
Bolivar, MO

Rolla Chapter

Dalton Pafford (Student)
Missouri University of
Science & Technology
Rolla, MO

Zachariah Lacy (Student)
Missouri University of
Science & Technology
Battlefield, MO



St. Louis Chapter

Miranda Beutler (Student)
Missouri University of
Science & Technology
St. Charles, MO

Casey Carroll, P.E.

LS Power Development
Lake St. Louis, MO

Zachary Engleman, P.E.

LangeTech
Wildwood, MO

Teresa Fachtel, P.E.

McCarthy Building Co.
Kirkwood, MO

Todd Tall, P.E.

Progress Engineering
Eureka, MO

Sean Martin, P.E.

M3 Engineering Group
St. Louis, MO

Southwest Chapter

David Brown
KAMO Power
Joplin, MO

Martin Dohmen, P.E.
Liberty Utilities
Joplin, MO

Western Chapter

Thomas O'Grady, P.E.
HNTB Corporation
Kansas City, MO

Brandon McElhiney, P.E.
Crawford Murphy & Tilly Inc.
Kansas City, MO

Michael Thompson (Student)

Missouri University of
Science & Technology
Belton, MO

Garrett Lust, P.E.

Wilson & Company Inc.,
Engineers & Architects
Kansas City, MO

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 2019-2020 Sustaining Organization firms:

Allgeier Martin and Associates, Inc.
Joplin, MO

Horner & Shifrin, Inc.
St. Louis, MO

Black & Veatch
Overland Park, KS

McClure
St. Louis, MO

Burns & McDonnell, Inc.
Overland Park, KS and Chesterfield, MO

Scurlock Industries
Springfield, MO

Gibbens Drake Scott, Inc.
Raytown, MO

MSPE's New Annual Partner Sponsorship Program will commence in the 2020 Calendar Year. The new program combines and streamlines the historic Sustaining Organization and Annual Convention Sponsorship Programs. Member firms who register as a sponsor on or before January 15, 2020 will be showcased at all of MSPE's 2020 events, including P.E. Licensure Ceremonies tentatively scheduled for February and August, the Annual Convention scheduled June 15 - 17, 2019 at the Stoney Creek Hotel and Conference Center in Columbia, Missouri, and Fall PDH Days in October.

MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS Annual Sponsorship Program - 2020 Calendar Year



BENEFITS	Platinum \$2,500	Gold \$2,000	Silver \$1,500	Bronze \$1,000	Friend \$500
Recognition on MSPE Website Business Name, Logo and Link	✓	✓	✓	✓	✓
Complimentary Job Postings on MSPE Website	✓	✓			
MSPE Annual Convention- Recognized as a Sponsor on Convention Programming and Signage	✓	✓	✓	✓	✓
MSPE Annual Convention- PDH Sponsor (12 Spots Available)	✓	✓	✓		
MSPE Annual Convention- Banquet Sponsor (5 Spots Available)	✓				
MSPE Fall PDH Days - Recognition and Signage	✓	✓	✓	✓	✓
MSPE Fall PDH Days - PDH Sponsor (12 Spots Available)	✓	✓	✓		
Recognition at P.E. Licensure Ceremony (two per year)	✓	✓	✓	✓	

Executive Director Message

By Travis Lowe

MSPE Members,

We hope the autumn season is treating you well as the holiday season is right around the corner. Please take a few minutes to review this publication as we have many updates to share. First, we want to thank you for your continued support that enables MSPE to operate efficiently for you.

We just finished another successful Fall PDH Days Conference in Jefferson City. Thank you to our attendees who participated and the Fall PDH Days Planning Committee for the work over the last several months. We now look ahead to the Summer Convention in June at the Stoney Creek Conference Center in Columbia. This is a great opportunity to network with fellow members and see the association at work.

Our committees are working hard to keep the association active. It is incredible to see the volunteer efforts made by members in all corners of our state. We ask that everyone take a moment to find a licensed Professional Engineer, or someone working toward licensure, and bring them to the

next MSPE event. This can be a local chapter event, MATHCOUNTS or a state meeting. Let them see their ability to network with fellow members and see the side of the association that works to protect their license. You most likely became a member of MSPE because of a friend or employer recommending it. Please keep that spirit alive. This is how we grow MSPE for the future. If you have any questions about membership or adding additional employees to an enterprise membership, please give us a call at the office.

The 2020 Legislative Session starts in January. Our Government Relations Committee and MSPE contract lobbyist Mark Rhoads resume our regular meetings later this month as we forecast session activity. Our Summer Convention last June dedicated two sessions to discussing legislative activity impact licensure or other aspects of the industry. It is something we cannot take for granted and we are proud to have Mr. Rhoads representing MSPE under the dome. Last session was very busy for MSPE issues and 2020, being an election year, promises to follow suit.



Also, please stay tuned for the dates for our 2020 MSPE Capitol Day.

As the 2019 tax year comes to a close, please remember the MSPE Educational Foundation as an option for charitable contributions. MSPE EF is a 501(c)(3) foundation so contributions are tax deductible. A little something from everyone goes a very long way in supporting its mission.

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

Take care and thank you for your support,

-Travis Lowe
MSPE Executive Director

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 (gbraden@mspe.org) or go to <https://mspe.org/resources/Documents/MSPE%20EF%20Contribution%20Flyer.pdf>

Also, 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

MSPE EF Building Committee Created

August 21, 2019

Several MSPE members are volunteering to provide oversight for the MSPE office building. The MSPE office building, officially owned by the MSPE Educational Foundation (EF), serves as the headquarters for MSPE, MSPE EF, ACEC- MO, Braden Heidner Lowe & Associates' Jefferson City location and a local law firm. Each entity pays rent to the MSPE Educational Foundation.

The new MSPE EF Building Committee, with support from Greg Braden and

Blake Murray of MSPE staff, meets regularly to provide oversight of the MSPE EF Building by periodic inspections and evaluations.

The official goal of the Committee is as follows: To maintain and monitor the building condition; be proactive on current and future repairs; provide the Executive Committee with updates on conditions and give estimates for future budgets.

The inaugural Committee meeting took place in

August. MSPE thanks the following members for their willingness to serve on the committee:

MSPE EF Building Committee Members

Anika Careaga, P.E.
Elizabeth Duvall, P.E.
Claire Eubanks, P.E.
Tia Griffin, P.E.

Ex-Officio Members:
Bob Becnel, P.E., F.NSPE
Travis Lowe
Blake Murray
Greg Braden

NSPE Provides MSPE, MSPE EF and Chapters Insurance Coverage at No Cost

In a world of increased liability, MSPE and its chapters are moving to be covered by NSPE's new blanket policy, becoming effective on December 1. In July, NSPE informed state society executives its intention to assist states and chapters by allowing states to opt into a large policy that covered general liability and Directors insurance. To

the delight of MSPE and the chapters, NSPE is absorbing the premium costs of the policies and as a national benefit.

The MSPE Board of Directors voted to approve MSPE's enrolling for the coverage. This saves MSPE and its chapters a combined several thousand dollars a year.

"We are extremely glad to see NSPE make this available to state societies and picking up the tab," MSPE Executive Director Travis Lowe told directors as they discussed the proposal.

"This is a great example of how the partnership with NSPE has clear advantages for MSPE and our chapters."

Connect With Us on Social Media!

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Facebook Page

"Follow"



@theMOengineer
Twitter Page

"Follow"



@theMOengineer
Instagram Page

"Connect"



MSPE-Missouri Society of Professional Engineers
LinkedIn Page

MSPE Board of Directors Meet in Jefferson City

October 12, 2019

On October 12, the MSPE Board of Directors convened for its quarterly meeting at the MSPE Office. Directors reviewed several committee reports and considered other business. During the meeting, the board voted to allow MSPE, MSPE Educational Foundation and all chapters to be covered by NSPE's new general liability and officers insurance. A new MSPE Annual Partner Sponsorship program was discussed and approved, which merges the Sustaining Organizations program and Annual Convention sponsorships for 2020.



NSPE President David Martini Visits MSPE

By Travis Lowe

The 56 year tradition continues as NSPE President David Martini traveled to Kansas City in September to spend two days with leaders of the Missouri Society and Kansas Society. David Martini, who became NSPE President in July, started his visit with a joint dinner with MSPE Vice President Mitch Krysa, KSPE President Jessica Rhein, MSPE Western Chapter President Tom Greer, KSPE

Eastern Chapter President Tony Rome, several leaders of the Eastern and Western Chapter, along with Travis Lowe, who serves as executive director of both state societies.

Martini, a civil engineer who hails from Minnesota, discussed updates from NSPE and ways to grow the society's participation in the metroplex. The following morning, the chapters

hosted a breakfast of local Kansas City engineer leaders to visit with President Martini. After a day of touring, a joint dinner of the Eastern and Western Chapters gathered three dozen members to hear updates on activity at the national level.

MSPE and KSPE thanks the sponsors that helped support the 56th Annual NSPE President's visit.



KSPE President Jessica Rhein, P.E., joins KSPE and MSPE leaders in KC for the 56th Annual NSPE President Visit. Pictured left to right: Travis Lowe, Tom Greer, P.E., David Martini, P.E., F.NSPE, Tony Rome, P.E., Jessica Rhein, P.E., Tom Roberts, P.E., F.NSPE, F.ASEE

MSPE Summer PE Licensure Ceremony Recap

By Blake Murray

Twice a year all newly licensed Professional Engineers in Missouri are invited to the Missouri State Capitol to be honored and receive their licensure certificates. Sponsored jointly by MSPE and the Board of Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects, these ceremonies allow new P.E.s and their family and friends to celebrate this milestone in their careers. All engineers who have passed the professional practice exam are invited to attend and be recognized.

The most recent ceremony took place on Friday, August 16 in the first-floor rotunda of the Missouri State Capitol. Starting off the ceremony was Dr. David Heise, P.E., our Master of Ceremonies for the event. Dr. Heise is an Associate Professor at Lincoln University in the Department of Science, Technology, and Mathematics and a member of the Jefferson City Chapter of MSPE. He welcomed everyone to the Capitol and introduced our first speaker of the day, Ron Black, P.E., MSPE Past President.

Mr. Black spoke about the importance of becoming licensed and how it sets P.E.'s apart from their



peers. The history of MSPE and how it benefits professional engineers were other topics that Mr. Black addressed. Lastly, Mr. Black spoke about the Board of Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects; who they are, what they do, how they can assist professional engineers throughout their careers.

The keynote speaker for the ceremony was Representative Rocky Miller, who represents District 124 in the Missouri House of Representatives and has since 2012. Representative Miller, a professional engineer, spoke about what being an engineer means to him and what an accomplishment it is to be licensed. He concluded with the importance of ethics inside and out of the engineering field.

After the conclusion of the program, a reception was held on the third-floor rotunda of the Capitol. Nine of the newly licensed professional engineers decided to join the Order of the Engineer. This ceremony, which furthers an engineer's commitment to the profession, was conducted by Jason Sommerer, P.E.

This year's licensure ceremony was the largest in recent history, and we hope to see those numbers increase even further in the spring.

Special thanks to Jason Sommerer P.E., MSPE Membership Chair, Alison Connell, MSPE Director of Events, and Blake Murray, MSPE Director of Membership for assisting with the event.

New Professionally Licensed Engineers Who Attended the Event:

Ali Al-Khafaji, P.E., Leah Dittmer, P.E., Miranda DuClos, P.E., Marcus Eckstein, P.E., Eric Fiedler, P.E., Shane Floyd, P.E., Angie Gable, P.E., Toby Gilham, P.E., Sean Hagan, P.E., Colten Harris, P.E., Dong Huynh, P.E., Tien Le, P.E., Johsua Lix, P.E., Tabitha Locke, P.E., Star Loftus, P.E., Eric Magee, P.E., Calvin Petrus, P.E., Matthew Schultz, P.E., Patrick Skain, P.E., Joslyn Townsend, P.E., Rolando Vazques Molina, P.E.



62nd ANNUAL MISSOURI S&T ASPHALT CONFERENCE**December 3-4, 2019**

The 62nd Annual Missouri S&T Asphalt Conference will be held on Tuesday and Wednesday, December 3-4, 2019, at the Missouri University of Science & Technology in Rolla, Missouri.

Presentations at the conference include: impact of rainfall and flooding on paving practices; recycled asphalt shingles: best practices; Rolla Airport full-depth reclamation project; plant burner operation and maintenance; Columbia Airport emergency case history; paving machine maintenance; quality control best practices; low gyration mixes; fingerprinting binders, additives, and modifiers; cost-effective friction surface treatments; asphalt advantages; city-owned asphalt plants pros & cons; transitioning from nuclear density gages; MAPA update; Flexibility Index test methods; compaction assessment using density profiling; new FAA construction specifications; electronic ticketing; intelligent compaction projects; micro-surfacing, RAP specific gravity; gyratory compactor calibration; and more.

The conference should be of interest to paving contractors, public agencies, consulting engineers, testing labs, aggregate producers, asphalt binder suppliers, and equipment technical reps. **Personal Development Hours (PDH) will be awarded.**

For conference program information go to <http://asphalt.mst.edu/> or contact Dr. Dave Richardson, Conference Director (573-341-4487; richarddd@mst.edu) and for registration information contact Professional and Continuing Education, 216 Centennial Hall, Missouri S&T, Rolla, MO, 65409 (573-341-4200; pce@mst.edu). If you are interested in being a sponsor or an exhibitor, please contact Michelle Wiginton at wigintonm@mst.edu or 573-341-4835.

Mark Your Calendar

PROFESSIONAL
ENGINEERS 

08.05.2020

 NATIONAL SOCIETY OF
PROFESSIONAL ENGINEERS

JOIN US FOR #PECON20 IN



Philadelphia

AUGUST 12-16, 2020

DISCOVER 
ENGINEERS WEEK

FEBRUARY 16-22, 2020



MATHCOUNTS[®]
COMPETITION SERIES

EST. 1983

The next Missouri State MATHCOUNTS Competition will be held March 7, 2020.

NSPE North Central Director Message

By Matt Kruse, P.E.

Hello again fellow NSPE members and colleagues, I hope everyone is back into the swing of NSPE activities at their state or chapter level. I wanted to take this time to offer my gratitude for all of the members who volunteered on the planning and execution of the PECON conference held in Kansas City this year. This was a tremendous opportunity for our region to host the annual meeting and it wouldn't have been such a great event without all of the volunteers. As we approach the end of 2019, I wanted to take this opportunity to give an update on things that have been going on in the North Central Region. Again, maybe for new members or maybe not everyone is familiar with the formal organization of NSPE, the North Central Region of NSPE is made up of North Dakota, South Dakota, Minnesota, Nebraska, Iowa, Kansas, and Missouri. The director of a region serves as a representative for two way communication between the chapter and state societies within NSPE and the Executive Board of NSPE.

With the adoption of the updated vision and mission statements,

and the approval of the strategic plan, efforts on the national level have turned to implementing a business plan to support the objectives of the strategic plan. As for reference, the current main focus of the strategic planning effort is concentrated on the following areas: Shaping of Public Policy, Educating for the Future, Driving growth, Diversity and Tomorrow's Engineer, and Engaging the State Societies and NICET. The goal is to have the business plan ready for approval and then roll out early into 2020. One aspect that has been started already is a reestablished membership committee. Past NSPE President Michael Aitken, P.E., is chair of this committee and is looking to have a representative from each state be active on the committee. The committee is looking at trying something different this year to better engage state societies with national, and each other, regarding membership initiatives, resources, challenges, and solutions. We will be creating four subcommittees based on state tier groups. If you have any interest in this, please reach out to your local or state NSPE leaders.



As a region, we hold a conference call each month with state leaders from within our region where we discuss pertinent items to each state. If you have any questions or comments regarding NSPE, please feel free to reach out to me at 402-496-2498 or matt.kruse@LampRynearson.com.

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

MSPE Chapter News

November

2 [Volunteer Request for RooBuilders Modeling Session](#)

Venue: Flarsheim Hall 336 at UMKC
5110 Rockhill Rd.
Kansas City, MO 64110
Time: 10:00 AM - 1:00 PM

12 [MSPE and ASCE Join Luncheon](#)

Venue: Engineering Center
4359 Lindell
St. Louis, MO
Time: 11:30 AM - 1 PM



Members joined together for the 2019 MSPE President's Workshop. Pictured left to right: Kelsie Clark, P.E., Mitch Krysa, P.E., Bob Becnel, P.E., F.NSPE, Andy Mueller, P.E., Travis Lowe, Ron Black, P.E., PMP, Rebecca Losli, P.E., Tom Greer, P.E., Stacey Ober, Patrick Whitaker, P.E., Josh Lehmen, P.E., Michael Buechter, P.E.



Jefferson City Chapter News

Highway Cleanup

The evening of Tuesday, October 8, the Jefferson City Chapter contributed their time and efforts by doing a "Fall Litter Cleanup" on Christy Drive in Jefferson City for their Adopt-A-Highway.



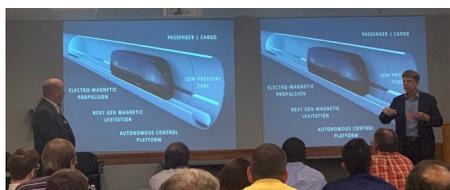
Chapter Lunch

The Jefferson City Chapter held a chapter luncheon on October 2 with presentations from Brian Garkie, P.E, Jeff Hancock, ICMA-CM regarding the Camdenton Memorial-Lake Regional Airport, Runway Expansion Program and more.



Chapter Lunch

The Jefferson City Chapter held another chapter lunch with a presentation regarding the new Hyperloop project.



Southwest Chapter News

Scholarship Winner

Nathaniel Hardy is the recipient of 2019 Missouri Society of Professional Engineers – Southwest Chapter scholarship. He is the son of James and Christina Hardy of Webb City. He attended College Heights Christian School and graduated with honors in 2019. He is currently enrolled at the University of Missouri – Columbia where he is majoring in Mechanical Engineering with an emphasis in aerospace. He also plans to minor in both mathematics

and computer science and go on to earn his master’s degree within the first two to three years of his career.

Engineering has fascinated Nathaniel since he was young, particularly in the areas of space and space exploration. He strives to one day be a part of aerospace industry and work for companies such as Boeing, Space-X, or Lockheed-Martin designing spacecraft or working on “...cutting-edge airplane technology allowing planes to be safer, greener, and all around more efficient.”



Nathaniel Hardy's parents accepted the scholarship on his behalf at the barbeque event.

Southwest Chapter Annual BBQ Feed

The MSPE Southwest Chapter held its Annual BBQ Feed in September. They had a great turnout again this year with some

tasty barbeque. Nathaniel Hardy was presented with the 2019 Missouri Society of Professional Engineers - Southwest Chapter scholarship

at the event.

Thank you to all who came out to support the Chapter!



The BBQ had great attendance this year.



Randy Adair and Blake Watson



MSPE members enjoying the Annual Barbeque Feed.

St. Louis Chapter News

Affiliate Society Summer Social

On Thursday, September 19, the St. Louis Chapter of MSPE held a Chapter Planning and Outreach Workshop at The Engineering Center of St. Louis, 4359 Lindell Blvd.

This event provided 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. The event was well received by all attendees.



ST. LOUIS CHAPTER
MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS



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

November Joint Luncheon
Tuesday, November 12, 2019

A Look at the St. Louis Area MS4 Permit Strategy and Stormwater Management Plan

Abstract: This presentation will highlight some of the key Best Management Practices that are in the Stormwater Management Plan and how they are evaluated for effectiveness. Finally, a look at the MDNR audit process and steps co-permittees can take to prepare for it will also be presented. Missouri's general NPDES permit for regulated municipal separate storm sewer systems (MS4s) requires implementation of best management practices (BMPs) via an iterative process to reduce the discharge of pollutants into the MS4 to the maximum extent practicable (MEP), with the goal of meeting Missouri's Water Quality Standards. To meet this requirement, MS4's must develop a stormwater management plan (SWMP) that implements the permit's requirements for the six minimum control measures. MSD, St. Louis County, and 59 other regulated municipalities within MSD's service boundaries have agreed to coordinate permit compliance activities as copermitees, with MSD being the coordinating authority. This strategy encourages cooperation among municipalities, allows for a watershed-based approach to reducing pollution, and the sharing of financial responsibilities. Through a collaborative effort, a steering committee consisting of MSD, co-permittees, and interested stakeholders developed a Stormwater Management Plan. The plan outlines the requirements of the current MS4 permit's six minimum control measures, and how the copermitees will cooperate to address the requirements of the MS4 permit. The plan was approved by the Missouri Department of Natural Resources.

About the Presenter: Jason Peterein, P.E. is a Program Manager with the Metropolitan St. Louis Sewer District. Jason manages the District's Environmental Compliance group that is responsible for the MS4 program administration, MSD's environmental regulatory compliance obligations, and emergency response/discharge investigation & reporting. He has a B.S. and M.S. in Civil Engineering from the Missouri University of Science & Technology, and over 15 years of public and private sector experience in land development, infrastructure, and storm water management. Prior to his current role, Jason was a Principal Engineer in the District's Development Review group where he led a team responsible for the review and permitting of private development projects.

Time, Date, Location

11:30am to 1:00pm, November 12, 2018, 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, students and members in transition \$5 (checks payable to ASCE)

Registration

Please register and pay online using the link below for reservations by 5:00pm, Thursday, November 7, 2018. Please note that we will no longer be accepting event registration through the Engineering Center, and you must register online. If you wish to pay at the door, select the "pay by check" method of payment on the online registration page. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal.

Register Now! (try the link or cut/paste the below to your browser)

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eglr9sor31d64f36&oseq=&c=&ch=>

Western Chapter News

NSPE President's Visit

NSPE's 2019-2020 President David Martini, P.E., F.NSPE met with the MSPE Western Chapter in September. There was a great turnout of members who attended to hear the NSPE President talk about what's to come in the upcoming year.



NSPE's 2019-2020 President David Martini, P.E., F.NSPE speaking to MSPE members.





NSPE-MO® MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS

2020

Annual Convention

June 15-17

Stoney Creek Hotel & Conference Center

2601 S. Providence Road
Columbia, MO 65203



Professional Card Listings



E. Matt Bedinghaus, P.E.
CEO & Chief Engineer

3804 S. Fremont Ave.
Springfield, MO 65804
www.a2vpe.com

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