



# ST. LOUIS ENGINEER

JANUARY 2020  
VOLUME XIV, ISSUE V

## Missouri Society of Professional Engineers (MSPE) and Missouri Water Environment Association (MWEA)

January Joint Luncheon  
Thursday, January 16, 2020

### NPDES Permitting 101.... and Beyond

**Abstract:** NPDES Permits are like opinions...everyone has one. This session will focus on providing the audience with a basic, but deep understanding of municipal wastewater permitting. It will show some of the nuances in permitting and what to be aware of as you file your permit application and review your final NPDES Permit. The two presenters, a former Missouri State regulator and an engineer from a leading design/build firm will guide the audience through the intricacies of the State's rule and regulations that can make the permit process challenging for the utility operators and managers to understand. The presenters will illustrate how and why analytical sample results from past years impact current permit effluent limits. Finally, this session will show the attendees the "numbers" behind the "trade-craft" of NPDES Permit development.

**Lacey Hirschvogel** is the Environmental and Public Policy Manager with Missouri Public Utility Alliance. She leads the Missouri Public Water Council, a branch of MPUA that focuses on training, education, and planning assistance for municipal water and wastewater utilities. Lacey advocates for MPUA's members on legislative and regulatory issues. Lacey joined MPUA after working for the Department of Natural Resources' Water Protection Program as an environmental scientist where she wrote municipal National Pollutant Discharge Elimination System (NPDES) wastewater permits and developed state policy and regulations. She graduated with a Bachelor of Science degree in Chemistry from the University of Florida and a Master of Public Affairs degree at the University of Missouri.

**Jeff Barnard, P.E.** is the Global Practice Leader at Burns & McDonnell's St. Louis regional office. He has a strong background in capital improvements planning for wastewater systems, including wastewater needs forecasting; inflow & infiltration studies; system hydraulic modeling; wet weather storage facilities; sewer system evaluation surveys; corrosion evaluation and control; system rehabilitation; and NPDES permitting. Mr. Barnard has specific experience in the design of pump stations, gravity sewers, and treatment plant processes.

#### Time, Date, Location

11:30am to 1:00pm, January 16, 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-3635091>

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



It's that time of year again — time to set those **New Year's resolutions**. It's great to make resolutions; they're a way for us to look forward to the New Year with active optimism. It's a proclamation of how you want the New

Year to be better and how you're going to do it. The problem comes when those resolutions are too generic and impossible to measure.

MSPE's and NSPE's support of your licensure can be an important and practical part of your career related New Year's resolutions. MSPE and NSPE can provide valuable educational services including live educational events, on-line learning, PE/FE refreshers courses and scholarships. The St. Louis Chapter of MSPE has long provided a Professional Engineer Refresher Course in the spring of each year. This is a great local event that allows face-to-face and collaborative preparation for the PE exam. Details of the event are in this newsletter, if you have any questions please contact Ms. Lisa Cheng, P.E., at 314-425-8355 or [lisa.cheng@hdrinc.com](mailto:lisa.cheng@hdrinc.com). So if you or someone you know plans to pass the PE exam please consider this event.

This year, look at your career and set some firm, measurable goals that you can actually track and achieve. Again MSPE and NSPE can be a key part of those resolutions. For instance you may want to attend a certain number of professional events, follow a career blog, or make so many new contacts or volunteer to lead a committee or event. Again all great ways to improve your skills and broaden your career and outlook and again things MSPE and NSPE can help with.

On November 12<sup>th</sup> the St. Louis Chapter hosted Mr. Jason Peterein, P.E., at our monthly luncheon. Mr. Peterein discussed the St. Louis Area's MS4 Permit Strategy and Stormwater Management Plan. He touched upon the region's environmental regulatory

compliance obligations and outlined the success the region has had in meeting these requirements and the role Engineers play in that effort. Hearing the discussion from Mr. Peterein, a Program Manager at the Metropolitan St. Louis Sewer District, provided yet another example of how participation in the St. Louis Chapter of MSPE can help you stay current and relevant as an Engineer. You can find more about this topic at:

<https://www.stlmsd.com/what-we-do/stormwater-management/phase-ii-stormwater-management-plan>

To continue our educational events on January 16<sup>th</sup> at the Engineering Center on Lindell the St. Louis Chapter, in association with the Missouri Water Environment Association, MWEA, will host Ms. Lacey Hirschvogel and Mr. Jeff Bernard, P.E. Together they will discuss NPDES *Permitting 101 ... and Beyond*. On January 21<sup>st</sup> the Chapter will help sponsor a presentation on the Metropolitan St. Louis Sewer District's *FY2021 Capital improvement and Replacement Program*. Both of these great events will continue our November theme and allow a continued and deeper analysis of an important local topic.

Finally, I hope to see you at the above events and if you are looking for a way to pursue your New Year's resolutions please contact me at 314-768-2772 or [mtbuec@stlmsd.com](mailto:mtbuec@stlmsd.com).

Happy New Year!

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

# Missouri Society of Professional Engineers - St. Louis Chapter

## 2020 Calendar

Jan-20						
S	M	T	W	T	F	S
			1	2	3	4
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Feb-20						
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Mar-20						
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29	30	31				

Apr-20						
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May-20						
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Jun-20						
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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:**

- January: Joint meeting with MWEA, water regulation (Losli)
- January: MSPE sponsors MSD CIRP outreach (Buechter)
- February: 21st - Awards Dinner (Green)
- March: TBD
- April: TBD
- May: Chad Raley Ameren Soalr Facilities (Black, Engleman)
- June: Greg Kuntz Poplar Street Bridge Relocation, Officer Installation (Buechter)





ST. LOUIS CHAPTER  
MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS

**2019-2020 MSPE  
St. Louis Chapter  
Officers**

**President**

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**Immediate Past-President**

Josh Crews, P.E., P.M.P., PhD  
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**Chapter Directors:**

Adam Zuroweste, P.E.  
Lisa Cheng, P.E.  
Erin Jearls, P.E.  
Jennifer Kuchinski, P.E.  
Bently Green, P.E.  
Marc Eshelman, P.E.

**State Directors:**

Kathy French, P.E.



**Dear Prospective Exhibitor:**

It is time to gear up for the **SciFest Engineering Expo** at the **Saint Louis Science Center** in celebration of **National Engineers Week (EWeek)**. This is an annual event that educates people about the diversity and importance of engineering by increasing understanding of and interest in engineering and technology careers. More information about EWeek is available at [www.discovere.org](http://www.discovere.org).

The **MSPE St. Louis Chapter** ([www.mspe.org/st-louis-chapter](http://www.mspe.org/st-louis-chapter)) is again coordinating this event with the Saint Louis Science Center and we are inviting you to participate as an Exhibitor to help promote the engineering field through an educational activity or presentation that focuses on engineering. The event is scheduled for **Saturday, February 22, 2020** from 9:30 a.m. to 4:30 p.m. as a finale to EWeek.

**Register as an Exhibitor** for the SciFest Engineering Expo by following this link: <https://forms.gle/JAthwCH4KtABbxea7>. Please don't hesitate to contact me if you have any questions or require additional information.

In previous years, organizations such as AABE, ASCE, ASPE, Baxter-HTE Technologies, Boeing, Bricks 4 Kidz, Construction Forum Education Foundation, Engineering Center of St. Louis, Essex, FIRST Robotics, FLL, FTC, GBS, Geotechnology, IEEE, IMEG, Junior Code Academy and GlobalHack, Lew Lab, Lil Monster Trucks, Maryville Science and Robotics Program, Missouri S&T, Mizzou, NGA, National Inventors Hall of Fame, NSBE, NSS STL Space Frontier & Cyan React, Power Engineers, Ranken Technical College, ROBOMO, SAME, SHPE, SIUE, SLU, SME, STL Carpenters Joint Apprenticeship Program, Spectra, STLCC, STL Children's Hospital, StraightUp Solar, SWE, USACE, USCG, Univ. of Illinois, Wash University, Workman Publishing & Youth Exploring Science have brought hands-on activities that appeal to individuals of all ages.

We would like to thank again those who participated last year. If you did not participate last year, please consider participating this year. This event is an excellent way to introduce the wonders and power of engineering to a diverse audience. We look forward to hearing from you to make this event a success.

Thank you in advance for your participation.

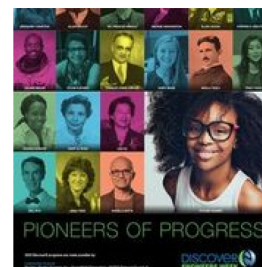
Sincerely,

Erin Jearls, P.E.

HDR

Ph: 314-425-8330

Email: [erin.jearls@hdrinc.com](mailto:erin.jearls@hdrinc.com)





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.



ST. LOUIS CHAPTER  
MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS

## 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

**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

## 2020 Awards

**ENGINEER OF THE YEAR**

**YOUNG ENGINEER OF THE YEAR**

**OUTSTANDING PE IN GOVERNMENT**

**OUTSTANDING PE IN PRIVATE PRACTICE**

**OUTSTANDING PE IN CONSTRUCTION**

**OUTSTANDING PE IN INDUSTRY**

**OUTSTANDING PE IN EDUCATION**

**QUALIFICATIONS-BASED SELECTION (QBS)**

**PRIVATE PRACTICE PROFESSIONAL DEVELOPMENT (PPPD)**

# Professional Engineer Refresher Course

## Course Information

These review courses are geared toward helping participants pass the Professional Engineer (P.E.) license exam. Classes will be held in the fields of:

Civil - *Water Resources, Geotechnical, Transportation, Construction, and Structural.*

Mechanical - *Mechanical Systems/ Materials, Hydraulics & Fluids, Energy & Power Systems, and HVAC/ Refrigeration.*

Electrical - *Power.*

Course fee includes a three-ring binder, lecture notes, certificate of completion, and CEU's.

It is recommended that participants purchase their discipline's desk reference manual *prior* to the first class. Desk reference manuals can be obtained by going to the following website:

<http://ppi2pass.com>

## 2020 Spring Schedule Registration

Classes are scheduled to meet on the following Saturday mornings from 8:00 am to noon:

- January 25th
- February 1st
- February 8th
- February 15th
- February 22nd
- February 29th
- March 7th

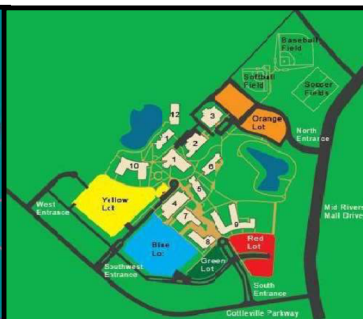
Report to Room 208 of the Humanities Building (HUM) on the campus of St. Charles Community College. Park in the Yellow Lot. *Class dates and times are subject to change.*

Four ways to register:

1. **Online** - to register online, go to: [www.stchas.edu/learnforlife](http://www.stchas.edu/learnforlife)
2. **In Person** - Walk into 103 HUM with a completed registration form (form is included at the end of the newsletter) and payment. Registration hours are: between 8:00 a.m. and 5:30 p.m. Monday through Thursday; between 8:30 a.m. and 4:00 p.m. on Fridays; or after-hours drop box in HUM hallway.
3. **By phone** - Call 636-922-8233 during the hours listed above. Telephone registration: VISA, Discover, and MasterCard only accepted as payment.
4. **By Mail** - Complete the registration form at the end of the newsletter, attach your check or money order, and mail to:

SCC, Division of C&CD  
4601 Mid Rivers Mall Dr., HUM 103  
Cottleville, MO 63376-2865

## HOW TO LOCATE THE COLLEGE & CAMPUS BUILDINGS



1. College Center
2. Campus Services
3. Child Development Center
4. Fine Arts Building
5. Humanities Building
6. Technology Building
7. Learning Resource Center—Library
8. Student Center
9. Administration

## DEADLINE:

# January 23, 2020

Course content and inquiries should be directed to

**Lisa Cheng, P.E.**

(314) 425-8355 or  
[lisa.cheng@hdrinc.com](mailto:lisa.cheng@hdrinc.com)

## **MSPE St. Louis Chapter Scholarship Program**

### **Engineering Scholarships Available to Graduating High School Seniors**

The funding for the scholarships described herein is provided by the Missouri Society of Professional Engineers St. Louis Chapter.

This scholarship is provided for graduating high school seniors who have a genuine interest in engineering. Please read the instructions carefully and fulfill all of the requirements. Should you have questions that your parent, guidance counselor or principal cannot answer, **please contact Kathy French, P.E.**, St. Louis Chapter Scholarship Committee Chair at [kfrench@LSPower.com](mailto:kfrench@LSPower.com) or 314-580-2738. The scholarship form is also available from a St. Louis MSPE Chapter officer or by emailing [kfrench@LSPower.com](mailto:kfrench@LSPower.com).

### **Eligibility Requirements for St. Louis Chapter Scholarship:**

- 1) Be a high school senior
- 2) Be a citizen of the United States at the time of application
- 3) Have at least a 3.0 grade point average (based on a 4.0 scale) for the 10<sup>th</sup> and 11<sup>th</sup> grades.
- 4) Have at least a minimum score on the American College Testing Program (ACT) test of 29 in Math and 25 in English.
- 5) Must enroll in an engineering program that has been accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET-EAC) at one of the following state institutions or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with one of the named schools listed below.
- 6) Reside in the City of St. Louis or one of the following Counties: Franklin, Jefferson, Lincoln, St. Louis, St. Charles, or Warren

### **Types of Scholarships**

The MSPE St. Louis Chapter will award two Scholarships of \$1,000 each to the highest scoring applicants. These scholarships are awarded to high school seniors preparing to attend one of the following Missouri schools of engineering or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with one of the named schools listed below:

College of the Ozarks, Point Lookout, MO

Southeast Missouri State University, Engineering Physics Program (BS), Cape Girardeau, MO

Southwest Missouri State University, Computer Science (BS), Springfield, MO

St. Louis University, Parks College of Engineering & Aviation (AE, EE, ME), St. Louis, MO

Truman State University, Pre-Engineering 2-year Program (University of Missouri System), MO

University of Missouri-Columbia, College of Engineering, Columbia, MO

University of Missouri-Kansas City, School of Engineering, Kansas City, MO

Missouri University of Science and Technology, School of Engineering, Rolla, MO

Missouri University of Science and Technology, Energy, and Earth Resources, Rolla, MO

University of Missouri St. Louis/Washington University Joint Undergraduate Engineering Program

Washington University, School of Engineering and Applied Sciences, St. Louis, MO



MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS



## ***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**

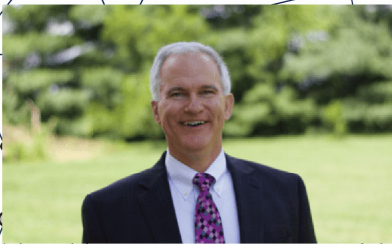
*CLAYTON PARK PLAZA  
7750 CARONDELET AVENUE  
CLAYTON, MISSOURI 63105*

\$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.

# TOASTMASTERS

## GIVE VOICE TO YOUR POTENTIAL

### THE POVEN WAY TO BECOME A BETTER SPEAKER

#### What's in it for you?

Toastmasters will give you the skills and confidence you need to effectively express yourself in any situation. Whether you are a professional, student, stay-at-home parent or retiree, Toastmasters is the most efficient, enjoyable and affordable way of gaining great communication skills. By learning to effectively new world of possibilities. You'll be more persuasive and confident when giving presentations, and you'll improve your one-on-one dealings with others.

#### How does it work?

Everyone in a Toastmasters meeting was once at the level you are now. The envi-

ronment is friendly and supportive, and the self-paced program allows you to build confidence with each speaking assignment. And you'll love the applause! Constructive evaluation is the heart of the Toastmasters program. Each time you give a prepared speech, an evaluator will point out strengths and suggest improvements. At first you'll be applauded for your effort; later you'll be applauded for your skill.

### THE POVEN WAY TO BECOME A BETTER SPEAKER

#### Leaders are good communicators.

Leadership is the art of persuading others to do what you wish to be done. To do so, you need to communicate and you need to work as a team. In Toastmasters, you'll do both. And you'll find out how to vary your approach to suit the needs of different people, be they the audience for a speech, the committee for a fundraiser or the members of your family.

#### Don't delay!

Become the speaker and leader you want to be. Confident, charismatic leaders weren't born that way. As you progress in Toastmasters, you'll get to practice your skills by organizing and conducting meetings and motivating others to help you. Become a better negotiator. Gain

trust. Sharpen your management skills. Inspire your team. Be decisive!

### VISIT A MEETING TO- DAY!

You won't regret it. With more than 332,000 memberships in over 15,400 clubs in 135 countries, you're sure to find a club near you. For a list of meeting locations in your area, simply visit [www.toastmasters.org](http://www.toastmasters.org) or email us at [tinfo@toastmasters.org](mailto:tinfo@toastmasters.org). Each group has its own personality. So check out a few to find one that best matches yours!



#### Local contact information:

##### Burns and McToasters

Vice President of Membership:  
Laura Hartzler  
[lhartzler@burnsmcd.com](mailto:lhartzler@burnsmcd.com)

Meetings are on the 1st and 3rd  
Tuesday of the month at 11:45am

425 S. Woods Mill Rd.  
Suite 300  
Chesterfield, MO 63017

## **HELP WANTED!**

### **PRINCIPAL ENGINEER – DESIGN/PROJECT DESIGN**

*The Metropolitan St. Louis Sewer District (MSD) is a Missouri State special purpose political subdivision that is responsible for the St. Louis area's storm water and sewer collection and treatment. MSD ranks in the nation's top wastewater utilities, and anticipates spending approximately \$4.7 billion on capital investment and asset sustainability over a multi-decade period.*

*MSD seeks an engineer to function as a team lead in the Design division of the Engineering Department. This position reports to a Program Manager and works with other engineers in the design/review of plans involving complex sanitary and storm water drainage problems; design of storm and sanitary sewer lines, lift stations and green infrastructure; evaluation and preparation of technical reports concerning complex construction and engineering problems and solutions. This position may also meet with government officials, consultants, contractors and the general public.*

*Qualified candidates must have a Bachelor's Degree from a recognized college or university with major course work in Civil Engineering (preferred); a Professional Engineer License and 6 years of progressively responsible engineering design experience. Experience in sewer and green infrastructure design preferred.*

Excellent compensation/benefits program including defined contribution retirement plan, convenient location with free parking. For more information and to apply on line go to <https://www.stlmsd.com/careers>

## **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**



# Deadline for Registration:

January 23th, 2020

## How to Enroll – 4 Ways to Register:

- Online** – To register online, go to [www.stchas.edu/learnforlife](http://www.stchas.edu/learnforlife)
- By Mail** – Complete the registration form, attach your check or money order, and mail to:  
 SCC, Division of C&CD  
 4601 Mid Rivers Mall Dr., HUM 103  
 Cottleville, MO 63376-2865
- In Person** – Walk into 103 HUM with completed registration form and payment.  
 Registration hours:
  - 8 a.m. – 5:30 p.m. Mon-Thurs.
  - 8:30 a.m. – 4:00 p.m. Fridays
  - After-hours drop box in HUM hallway
- By Phone** – Call 636-922-8233 during the hours listed above. Telephone registration: VISA, Discover, and MasterCard only accepted as payment.

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Date of birth: \_\_\_\_\_  
 Home Phone: \_\_\_\_\_  
 Work/CellPhone: \_\_\_\_\_

Registration Fee:  
 \$550 for MSPE & SAME members  
 \$600 for ASCE, ASME, ASHRAE & IEEE members  
 \$650 for non-members

**Circle one (if applicable):**

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