



ST. LOUIS ENGINEER

St. Louis Chapter Missouri Society of Professional Engineers

January Joint Luncheon

Thursday, January 17, 2019

Protecting Your Inventions and Ideas

Engineers are fundamentally inventors every day. Many times, the sweat and financial toils of both the employer and employee should be protected in terms of a patent. Mr. Kirk Damman, J.D. a patent attorney at Lewis Rice will shed insight and helpful information for our members to use in protecting Intellectual Property both in the United States and Internationally. The general process of preparing for invention disclosure, identifying a skilled attorney for one's particular technology and interfacing with that attorney will be discussed. Questions will be answered as time permits. Earn 1 PDH for this program.

About the Presenter:

Kirk A. Damman, J.D.: practices in all areas of intellectual property law with an emphasis on helping startup and growing companies begin to manage, license, and gain value from their intellectual property (patents, trademarks, copyrights, and trade secrets) and obtain protection for their most important ideas and products. Licensed to practice in front of the United States Patent and Trademark Office for more than 10 years, Mr. Damman has co-authored two books on patent law and serves as the director of the United States Patent Practice (Patent Agency) degree program at Webster University. He works with clients whose products are as diverse as: circuit and electrical designs; medical devices; computer software and Internet; heavy equipment and manufacturing; alternative energy and fuel; and consumer goods. Mr. Damman is a 1999 graduate for Harvard Law School and member of IEEE. Kirk was selected for inclusion in Missouri & Kansas Rising Stars® 2010 and 2013.

Where: Engineering Club of St. Louis, 4359 Lindell, St. Louis 63018

When: January 17, 2019, 11:30am to 1:00pm. Lunch at Noon and program at 12:15.

Cost: \$20/person or \$5/students

Registration

Please register and pay online using the link below for reservations by 5:00pm, Friday, January 11th, 2019. 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.

<https://www.mspe.org/event-3126221>

Contacts

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I N S I D E T H I S I S S U E . . .

President's Message....Page 2

Calendar Update.....Page 3

Project Clear MSD Capital Improvement...Page 4

MSPE Awards Program.....Page 5

SCCC Volunteer Opportunity.....Page 6

NSPE Fellow NominationsPage 7

MSPE Refresher Brochure.....Attached

January Joint Luncheon

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

MSPE St. Louis Chapter – December 2018 President's Report



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 optimism that is active, rather than passive. 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. NSPE member Katherine Gregory, P.E., agrees [Source: <https://www.nspe.org/resources/pe-magazine/november-2018/salute-having-served>]. The retired rear admiral was the first female flag officer in the United States Civil Engineering Corps and former commander of the Naval Facilities Engineering Command Pacific. She states about the value of the PE and involvement in NSPE, "so when we're working on projects together, when we're negotiating contracts, when we're working on issues, we have some people who really understand what's going on with the industry so we don't feel like we're at any disadvantage."

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 December 13th the St. Louis Chapter hosted Tom Blair, PE, at our monthly luncheon. Mr. Blair discussed the future of transportation in Missouri. He touched upon autonomous vehicles and discussed how they may become part of our daily commute. Autonomous vehicles of course present a current and "hot topic" not just in Engineering circles but to all citizens. Hearing the discussion from Mr. Blair, head of MoDOT Operations, 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 on NSPE's work regarding autonomous vehicles at: <https://www.nspe.org/resources/issues-and-advocacy/action-issues/autonomous-vehicles>

To continue our educational events on January 17th at the Engineering Center on Lindell the St. Louis Chapter, in association with IEEE, will host Mr. Kirk A. Damman, J.D. Mr. Damman will discuss Protecting Your Inventions and Ideas: Intellectual Property Fundamentals for an Engineer. On January 22nd the Chapter will help sponsor a presentation on the Metropolitan St. Louis Sewer District's FY2020 Capital improvement and Replacement Program. It seems fitting here to take a moment also to give a big "Thank You" to everyone who helped organize these events and worked to improve themselves and the profession, especially a Mr. Eric Hollman, PE, of the Chapter's Program Committee.

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.

Happy New Year!

Michael T. Buechter, PE, D.WRE

St. Louis Engineer

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St. Louis Chapter Officers

President	Michael Buechter, P.E.	(314) 768-2772
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Chapter Directors

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

Missouri Society of Professional Engineers - St. Louis Chapter 2019 Calendar

Jan-19						
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		

Mar-19						
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						

Feb-19						
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		

Apr-19						
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.
- Newsletter Posting Date to MSPE Website
- Tentative Program Dates
- 2019 Eweek
- Missouri Engineer Publication Dates

Potential Programs, potential 3rd Thursday of the month:

- January: Protecting Your Inventions and Ideas
- February: Awards Dinner (Rademacher)
- March: Evening Happy Hour (Hollman)
- April: Tour - Ameren Drones (Black)
- May: Tour - Enterprise Center (Hollman)
- June: Lunch - MSD Tunnels (Ratzki)/ New Officer Installation



PRESENTATION ON MSD'S

FY2020 **CAPITAL**
IMPROVEMENT &
REPLACEMENT
PROGRAM

TIME & DATE

3-4:30 presentation
4:30-6 networking
January 22, 2019

PLACE

The Engineers' Club
of St. Louis

RSVP

SLHOLT@stlmsd.com
by January 11, 2018

PRESENTED BY

Rich Unverferth, P.E.
Director of Engineering

COMMENTS FROM

Brian Hoelscher, P.E.
Executive Director

*Beverages during the
networking session provided
by the Missouri Society of
Professional Engineers*

Missouri Society of Professional Engineers - St. Louis Chapter

68th National Engineers Week Reception and Awards Program

Friday February 15th 2019 from 6:30-8:30 PM

Program:

Networking at 6:30 PM

Dinner at 7:00 PM

Program Begins at 7:30 PM

Ceremony Conclusion: 8:30 PM

Where:

The Engineering Center

4359 Lindell Blvd

St. Louis, MO 63108

RSVP:

<https://mspe.org/event-3194316>

Registration will be closed Tuesday before the event.

2019 Award Recipients

Outstanding PE in Government

Tom Blair

Outstanding PE in Education

Paul Nauert

Outstanding PE in Private Practice

Allen Minks

Engineer of the Year

Ron Black

Young Engineer of the Year

Eric Stauffer



St. Louis Chapter Missouri Society of Professional Engineers

VOLUNTEER OPPURTUNITY

St. Charles Community College is looking for instructors in the following areas; however, we continue you look for other areas and opportunities we might be able to partner.

- Statics (Tu/Th course focused on the analysis of structures that generally don't move)
- Dynamics (Tu/Th course focused on the analysis of bodies that are generally in motion)
- Circuits I (Tu/Th course focused on primarily DC circuit analysis)
- Intro to Engineering (Friday seminar course where students interact with guest speakers)

These programs are a great opportunity for individuals who have recently retired and/or even for those who are still working to share their knowledge in the field. In general, individuals should have a Master's degree and experience/training in a related field such as Engineering, Physics, Architecture, or Electronics. That said, the requirements are more flexible for the "Intro to Engineering" course since the guest speakers will act as the content experts.

Interested individuals can contact:

Amanda M. Sizemore

Assistant Vice President

Corporate & Community Development

Phone: 636.922.8388

Email: asizemore@stchas.edu



NSPE Fellow Nominations

Do you know of a St Louis Chapter NSPE member who should be nominated for NSPE's next class of Fellow? Fellow is a membership grade that honors professional engineers who have demonstrated Exemplary service to the profession, the Society, and community.

Requirements for designation include holding at least one elected office at the Chapter, State or, National level and have had active involvement at the national level.

The NSPE Fellow Program is a national program intended to recognize deserving professional engineers who have demonstrated long term professional service at the chapter, state and national levels of NSPE. The NSPE Board of Directors established the Fellow recognition program to honor those licensed members who have demonstrated exemplary service to the profession, the Society, and the community.

Involvement in NSPE must include holding at least one elected office at the chapter, state, or national level and must also include service at the national level of NSPE in order for nominees to be considered. National level service can include a number of activities such as regional service, committee/task force chair or member. While it is desirable to have held an office at the National level, importance is placed on long term active involvement. The Council of Fellows Executive Committee endeavors to treat each nomination on its own merits and tries not to restrict itself by generating a list of activities that would qualify. However, it is recommended that the nominee have ten (10) years or more of active service and involvement at all levels, i.e., national, state chapter/local.

Deadline for nomination is February 1, 2017. Make your suggestion for a nomination to Mike Buechter at MTBUEC@stlmsd.com, for consideration as one of Missouri's nominees for Fellow.

More information can be found at:

<https://www.nspe.org/membership/about-nspe/leadership/fellow-membership-grade>



Deadline for Registration: Thursday, January 24, 2019

How to Enroll – 4 Ways to Register:

1. **Online** – To register online, go to www.stchas.edu/learnforlife
2. **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
3. **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
4. **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/Cell Phone: _____

Registration Fee:

\$550 for MSPE & SAME members

\$600 for ASCE, ASME, ASHRAE & IEEE members

\$650 for non-members

Circle one (if applicable):

MSPE / SAME / ASCE / ASME / ASHRAE / IEEE Member

Member Number: _____

- Civil Engineering Refresher
- Mechanical Engineering Refresher
- Electrical Engineering Refresher

SCC
ST. CHARLES COMMUNITY COLLEGE
Division of Corporate & Community Development
Humanities Building, Room 103
4601 Mid Rivers Mall Drive
Cottleville, MO 63376-2865

Professional Engineer Refresher Course



Presented By



Professional Engineer Refresher Course

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

Civil- *Water Resources, Geotechnical; Transportation, Construction, Structural; Mechanical-Mechanical Systems/Materials, Hydraulics & Fluids, Energy & Power Systems, HVAC/Refrigeration;* and 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>



2019 Spring Schedule

Classes are scheduled to meet on the following Saturday mornings from 8:00 a.m. – noon:

Jan. 26

Feb. 02

Feb. 09

Feb. 16

Feb. 23

Mar. 02

Mar. 09

Mar. 23 (for Civil and/or Make-up)

No class on March 16th

Report to Room 2 08 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.*

Registration Fee

MSPE & SAME Members\$550

ASCE, ASME, ASHRAE, & IEEE.....\$600

Non -Members\$650

Proceeds of the course go toward the MSPE Scholarship Fund.

**DEADLINE:
January 24, 2019**

Register by mail, online, or phone
(See back of this panel for details.)

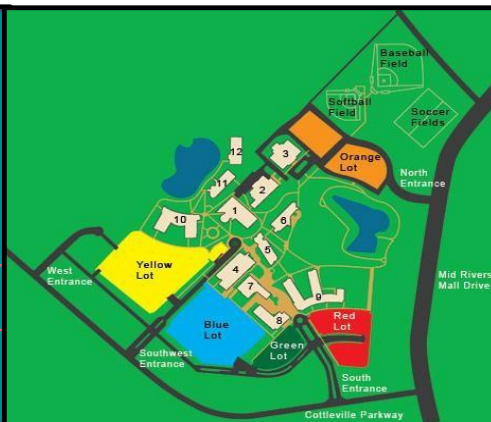
Course content inquiries should be directed to

Lisa Cheng, P.E.

(314) 425-8355 or

lisa.cheng@hdrinc.com

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 Building
10. Social Sciences Building



ST. CHARLES COMMUNITY COLLEGE

www.stchas.edu