



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

Board of Directors To Vote On New NSPE Membership Model

MSPE's Board of Directors is poised to vote on the new membership model proposed by the National Society of Professional Engineers. As previously reported in *The Missouri Engineer*, NSPE will offer a consistent dues price for all three-tier chapter, state and national members across the country beginning July 1, 2018. The new model features a choice of integrated or non-integrated partnerships that state societies must select by December 31, 2017.

A conference call of the Board of Directors to determine MSPE's preference on the level of service (integrated or non-integrated) is planned for Friday, December 15th. Final details on the voting protocol have not yet been determined.

Integrated Partnership

- Single price point of \$299 for membership in both NSPE and MSPE (state and chapter levels).
- Discontinuance of MSPE's current two-tier membership category. All existing two-tier members remain state-only members in perpetuity,

but no new two-tier memberships may be offered. MSPE will continue to provide invoicing for the grandfathered two-tier members.

- The single price-point dues will be shared by NSPE and the state society based on service/capacity tiers. Adjustments to the dues-sharing may be made at certain intervals depending on changes in state society circumstances.
- NSPE will invoice three-tier members and send payments collected from MSPE members to the state society on a monthly basis.

Non-Integrated Partnership

- MSPE would maintain an official cooperative relationship, but all administrative, financial, and operational activities will be separately operated between state and national.
- MSPE will bill all members their state and chapter dues. NSPE will also bill three-tier members the single dues price point amount of \$299. No

revenue sharing will be offered.

- State societies will be responsible for all association administration, marketing and invoicing of dues (at the state and chapter level) similar to how MSPE operates today.

Whichever partnership is selected,

virtually all MSPE members, except life members will be impacted. MSPE's staff and the Membership Committee are also committed to providing the same level of membership service, database management and customer relations.

No Changes To MoAPEPLSPLA Board From Task Force to Shrink State Government

Missouri's Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects learned on October 31, 2017 that no changes to the board's current structure were recommended by the Boards and Commissions Task Force assigned to make recommendations to shrink state government.

Created by Governor Eric Greitens', Executive Order in April, the task force was charged with examining the purpose, effectiveness, and necessity of all boards

and commissions in the State of Missouri to determine whether or not they are failing to meet, redundant in nature, increased bureaucratic red tape, and whether they were creating a burden for taxpayers through unnecessary fees.

Despite an initial proposal to reduce the size of the architects, engineers, land surveyors and landscape architects registration board to one representative per profession, the task force did follow through on that recommendation.



Congratulations, MSPE Newly Registered Professional Engineers

2017's Fall P.E. Certificate Ceremony hosted by MSPE celebrated three of the society's members receiving their professional engineer license. MSPE's members among the 18 newly licensed P.E.'s recognized by MSPE President Ron Black, P.E., MoAPEPLSPLA Engineering Division Chair Kevin Skibiski, P.E., MoDOT Assistant Chief Engineer Kathryn Harvey, P.E. and Executive Director Bruce Wylie (at the podium) were: Andrew Coleman, P.E. of Central Chapter (left), Matthew Fischer of Western Chapter (center) and Zachary Troesser of Jefferson City Chapter (right).



President's Message:

Moving MSPE Forward: Reviewing and Previewing Activities and Plans

By Ron Black, P.E.
MSPE President

With the 2017 Holiday season quickly approaching, now is a good time to reflect on the past three months and preview what's coming up for MSPE.

RECENT ACTIVITY

Our *President's Workshop*, on September 22, drew 20 attendees including Board Members and Chapter leaders from across state. President-Elect Michael Puro, P.E. and NSPE North Central Region Director Gary Strack, P.E., spoke about the NSPE Membership Model and I gave relevant communication from NSPE for attendees to discuss with their chapters to prepare for our upcoming vote on integration. Jason Sommerer, P.E., MSPE Membership Committee Chair, led an interactive discussion on best-practices on what MSPE is doing to attract, retain, and engage members. Also discussed were expectations for officers to run effective chapters.

MSPE's *Fall PE Ceremony* in the Capitol Rotunda recognized the accomplishment of 17 new P.E.'s on Saturday, September 29. (See Page 3, for more information and pictures)

The *Executive Committee* met on October 13 to discuss MSPE and MSPE Educational Foundation goals, objectives and challenges. MSPE's lobbyist Mark Rhoads visited to discuss the legislative outlook for the upcoming 2018 session. Mr. Rhoads is also planning to attend our January Board of Directors meeting. As



Chapter Presidents (left to right) Warren Brooks, P.E. of Ozark, Michael Keaton of Southwest and Barbara Li of Central note priorities at the Presidents' Workshop.

an executive committee, we recognize that engaging in lobbying and related activities is in line with MSPE's mission to promote professional engineering and protect the licensure process; in addition to aligning with our strategy of influencing legislation. (See Page 3 for more information and pictures)

Tom Roberts, P.E., NSPE President, networked with engineering leaders from the Kansas City area and met with Western Chapter members during this NSPE Annual President visit. He also spoke to the UMKC about restarting their Student Chapter. Bruce Wylie and Mitch Krysa, P.E., represented MSPE during this visit.

COMMITTEE ACTIVITY

Our Membership Committee, led by Jason Sommerer, P.E. and Stacey Meyer,

has been very active meeting and addressing opportunities to increase membership and promote engagement in each chapter. Their efforts have really made a difference!

Government Relations Committee Chair, Ben Ross, P.E., will be gearing up his committee for the upcoming 2018 legislative session in Jefferson City to ensure that your license is protected and act on opportunities to promote activities that support professional engineers.

We are forming a new IT Advisory Team to be led by Treasurer Mitch Krysa, P.E. This team will evaluate and make recommendations on hardware, software, and security measures to ensure that our data and systems are effective and sustainable. The goal is for

these recommendations to be delivered to the Board of Directors in January.

Past-Presidents Subcommittee on Appointments chaired by Immediate Past President Matt Bedinghaus, P.E., is working to identify members interested in appointment to the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects.

MSPE Audit Committee, also led by MSPE's Immediate Past President, delivered an internal audit review on MSPE and the MSPE EF finances, reporting our financial documentation is in good order with adequate processes and controls in place.

Fall PDH Days, Annual Convention, and Focus 85 Committees have also been very active as well, planning for upcoming events.

LOOKING AHEAD

New Website, our MSPE marketing consultant, Visionworks, designed a membership brochure as a tool for members to use to introduce others to MSPE and our cause. Chapters are encouraged to use these brochures at events and send to potential members. Visionworks is using the brochure layout in its redesign of MSPE's expected to be introduced in January.

Help needed, Looking for a new tenant - Please note, our long-term downstairs tenant has vacated the space and we are looking for a new tenant. We have contracted with Kolb Properties so help us with this important task.

Hats off to our members leading or participating on a committee or team at the chapter or state level. If you like what you see and want in on the fun, please let us know, we'll be glad to plug you in.

Until next time, **Be Engaged!**

The Missouri Engineer

Publisher: Bruce A. Wylie
Editor: Cherie L. Bishop

The Missouri Engineer, is published semi-monthly by the Missouri Society of Professional Engineers, 200 E. McCarty St., Suite 200, Jefferson City, MO 65101. Subscription fees are \$1 per year to MSPE members and \$12 per year to non-members.

Opinions expressed by authors herein are not necessarily those of the Society. As a matter of policy, MSPE does not endorse any item, product or advertisement. Correspondence regarding advertising, articles and changes of address should be mailed to:

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www.mspe.org



2017 President's Workshop Attendees included (front row, left to right) Michael Puro, P.E., Jason Sommerer, P.E., Ron Black, P.E., (middle row) Michael Keaton, P.E., Barbara Li, P.E., Dena Mezger, P.E., MSPE Executive Director Bruce Wylie, (standing) Andy Mueller, P.E., David Howe, P.E. Warren Brooks, P.E., Neil Brady, P.E., Kevin Garnett, P.E., Kyle Roberts, P.E., Matt Bedinghaus, P.E., Mitch Krysa, P.E., and Matt Weber, P.E. Not pictured: Josh Crews and Michael Buechter, P.E.

Lobbyist Previews 2018 Legislative Topics With MSPE Leadership

MSPE's lobbyist, Mark Rhoads of The Rhoads Company, met with the Executive Committee during their October 13th meeting to discuss key topics anticipated in the 2018 Legislative Session opening on xxx.

Rhoads focused his remarks on six areas of interest to the society:

Transportation: Missouri 21st Century Task Force is looking at funding alternatives for MoDOT. The interim committee, appointed by Governor Eric Greitens, anticipates a 10-cent increase on regular and diesel fuels. Rhoads feels any additional tax increases would be a challenge for the current legislative leadership in place.

Professional Registration: A task force on Boards and Commissions was created by Executive Order in April to evaluate the purpose and results of each existing board and commission, determine its effectiveness and identify opportunities to eliminate, consolidate, or modify. Approximately 230 boards or commissions have not been meeting and are targeted to be cut. The registration board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects (MOAPEPLSPLA) was targeted to be decreased in size but Task Force member and land surveyor Robert Ross helped reject that plan.

NO MO Red Tape Task Force: Over 2100 recommendations from Missouri residents have been received

via the web. Rhoads expects additional recommendations from the task force.

QBS: A hole in the law which omits application to Port Authorities will be an area of focus in the upcoming legislative session.

Investor Owned Utility regulatory lag: Responding to MSPE President Ron Black, P.E. on the ability to achieve a legislative solution to move forward on a \$1B infrastructure investment, Rhoads said more dialogue needs to happen to appease the 2-3 legislators that have been filibustering the bill.

Capitol Atmosphere: When asked by MSPE's President how productive an upcoming session could be, Rhoads provided specific metrics that reflect a lack of productivity. He also outlined the level of discourse in the Senate, but noted House was functioning pretty well.

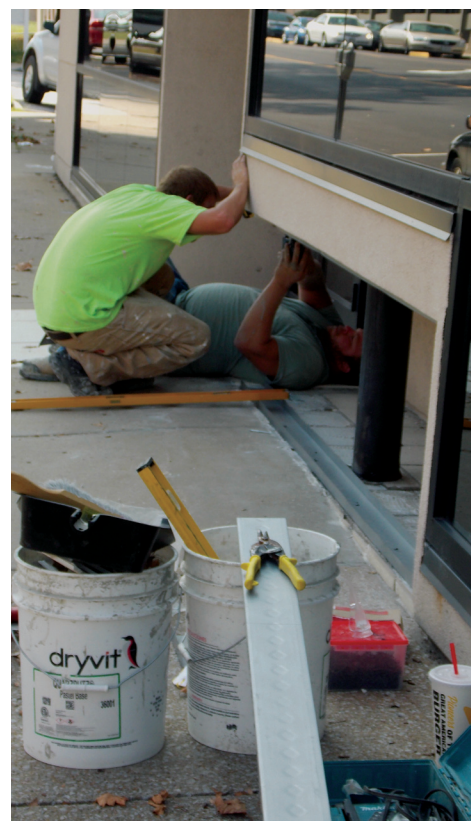
In response to MSPE's Presidents question on what members can do to help him, Rhoads requested members make contact with their legislators and provide input on bills of interest to the society.

Other topics covered by the Executive Committee included the following items:

- Received an update on the new website being developed by Visionworks as part of the marketing contract. An early January time frame is planned for administrative training. Demonstration of the new website by Visionworks was requested for the winter Board meeting.
- Learned MSPE's new marketing brochures were printed and distributed to chapters. A copy of the new brochure is posted on the website.



MSPE lobbyist Mark Rhoads of The Rhoads Company shares his expectations for the 2018 Legislative Session opening in January with MSPE's Executive Committee.



President Ron Black, P.E., (above, right) uses a graph to explain the quotes for a new roof on MSPE's EF Building provided by Trimco after their on-site evaluation. Workers from Septagon (above, left) enclose the open area at the front elevation of MSPE's Educational Foundation Building to keep water from running into both the upstairs and downstairs office suites following two recent severe rainstorms that flooded areas occupied by MSPE, ACECMo and the downstairs tenant.

- Heard from Executive Director Bruce Wylie funding for the second phase of the marketing contract, approved the Board of Directors' in June, is lacking needed donations. To date, only Southeast Chapter has donated along with the PEC, PEG, PEHE and PEI practice divisions. MSPE's President requested a letter be drafted for the Executive Committee's use to follow-up on fund requests from the designated chapters, practice division.
- Approved the Financial Report following discussion.
- Accepted reports on the following Committee Activities, Membership,

- Fall PDH Days, Annual Meeting, Focus 85, Past Presidents Committee and Succession Planning.
- Obtained the Audit Committee Report from Immediate Past President Matt Bedinghaus, P.E. After discussion, President Black asked the staff to respond to all observations.

EDUCATIONAL FOUNDATION
Acting for the MSPE Educational Foundation, the Executive Committee:

- Listened to Executive Director Wylie's report on repairs made by Septagon to close the exposed area under the front entry that found to be causing leaks during recent significant rain storms and action on leasing the downstairs, which has been minimal due to the lack of windows.
- Reviewed an evaluation from Trimco following an evaluation of the EF Building roof. Verbal quotes were received for in the amount of \$20K for a 12-year warranty, \$30K for a 15-year warranty on a white silicon surface and \$60K for new roof with a 20-year warranty. To address immediate needs, Trimco would repair all seals and seams for an amount not to exceed \$500
- Entertained a suggested from President Black that a new capital campaign commence and agreed with a suggestion from Vice President Bob Becnel that a "new" or "refreshed" building condition report - originally done in 2007 by Terracon - be undertaken.
- Authorized the Financial Report.



MSPE Ceremony Recognizes 18 Newly Licensed Professional Engineers

MSPE's most recent PE Certificate Ceremony drew 18 newly registered professional engineers to the state capitol to receive their licensure certificate. including three current MSPE members: Andy Coleman of Central Chapter, Matthew Fischer of Western Chapter and Zach Troesser, P.E. of Jefferson City Chapter .

Twice each year, MSPE hosts this special ceremony for family, friends and the society to honor the state's newest P.E.'s and applaud their achievement.

The fall ceremony, held on Saturday, September 30, 2017, started with a tour of the State Capitol Building. Following the tour, the new P.E.'s and their guests gathered in the Rotunda where keynote speaker Kathryn Harvey, P.E., Assistant Chief Engineer for the Missouri Department of Transportation delivered a well-received speech that echoed a familiar theme to seasoned professional engineers, one of protecting the

public health, safety, and welfare. Ms. Harvey's message was specific to MoDOT's efforts in reducing roadway fatalities, but consistent with the responsibility of all engineers to hold paramount the safety of the public.

After the ceremony, a reception was held honoring new P.E.'s. Approximately 85 people, including the honorees, their spouses, guests, and volunteers made this year's reception among the best PE ceremonies sponsored by MSPE. Capitol.

To conclude the event, an Order of the Engineer ceremony saw eight of the new P.E.'s accept the Obligation of the Engineer where they receive a stainless-steel ring to serve as a reminder of their pledge to protect the public health, safety, and welfare by making the best use of Earth's precious resources. John Huss, P.E., presided over the ceremony with assistance from MSPE Immediate Past President Matt Bedinghaus, P.E., Membership Chair Jason Sommerer, P.E., and Executive Director Bruce Wylie.



2018 ANNUAL CONVENTION



PRELIMINARY SCHEDULE

Business Meetings: Executive Committee, Practice Division, State Committee & Board Meetings

Social Events Golf Scramble, Welcome Event, Annual Banquet, President's Reception, Special Spouse & Kids Programs.

PDH Sessions Monday, Tuesday, and Wednesday

HEADQUARTERS HOTEL



2359 Bittersweet Road,
Lake Ozark, MO 65049
Phone: 573-365-5620

Website:
www.camdenonthelake.com

Lodging

\$149 plus tax per night
for Deluxe King Suite,
Deluxe Double Suite or
One Bedroom King Grand Suite.
Check-in 4 pm; Check-out 11 am

Reservations

Online at camdenonthelake.com or
call 1--573-375-5045.

ID & Password: MSPE 0618

**Register early! Friday, May 18, 2018 is
the deadline to book your room**



WANTED: Engineers To Serve On Registration Board

MSPE's Past President's Subcommittee on Appointments is soliciting interest and resumes from member engineers desiring to be considered for gubernatorial appointment to the Professional Engineering Division of the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects.

Interested engineers should submit why they desire appointment, their specific engineering discipline and attach their resume or curriculum vitae in an email to Immediate Past President Matt Bedinghaus, P.E. by no later than 5 p.m. on Tuesday, December 5, 2017.

Presently, the four-member Engineering Division has three appointees serving expired terms and one member vacancy.

Applicants for appointment shall:

- Be currently licensed;
- Reside in Missouri and have been a resident of Missouri for at least five years;
- Have been engaged in the active practice for at least ten consecutive years as a Missouri licensee immediately preceding such persons

appointment; and,

- Have been a citizen of the US for at least five years immediately preceding such person's appointment.

Pursuant to Chapter 327.031 (7) In the event that a vacancy is to occur on the board because of the expiration of a term, then ninety days prior to the expiration, or as soon as feasible after a vacancy otherwise occurs, ... the president of the Missouri Society of Professional Engineers if the vacancy to be filled requires the appointment of a professional engineer ..., shall submit to the director of the division of professional registration a list of ... five professional engineers ... qualified and willing to fill the vacancy in question, with the recommendation that the governor appoint one of the five persons so listed; and with the list of names so submitted, the president of the appropriate organization shall include in a letter of transmittal a description of the method by which the names were chosen. Selected applicants will be required to complete an online application through the State of Missouri's Professional Registration Board's website.

'Be Engaged' Is Focus of Chapter Events



Southwest Chapter 26th Youth Fund Benefit

Southwest Chapter welcomed 60 people to their 26th Annual Youth Fund Benefit on September 21 at Christ's Church of Oronogo. The chapter also uses the benefit to present their scholarship awards. Ironically, both of this year's winners - Alexys Barton and Jacob Higgins - are the children chapter members Bryce Barton, P.E. and Kurt Higgins, P.E. who were unable to attend the presentation. Each received a \$1000 scholarship accepted by their fathers. Alexys is student at the University of Kansas is majoring in Mechanical Engineering. Jacob attends the University of Missouri - Columbia where he's pursuing a dual major in Computer Hardware and Electrical Engineering.



Multiple MSPE Chapter Events On Same Days Renders Itself As "Recruitment Day"

With multiple events happening in MSPE throughout the state in a single day, Jason Sommerer, P.E., Chair of the Membership Committee reported "I think we could officially declare November 2, 2017 to be 'MSPE Recruitment Day 2017.' We had three awesome events stretched across multiple corners of the state.

The day started with Ozark Chapter's Bring Your Own Engineer (BYOE) lunch, where several potential future members participated. That event was followed by evening chapter meetings held in the Northwest and Rolla Chapter areas.

Northwest Chapter hosted a meeting to plan events for the rest of the year that was also attended by potential members, at least one of which will be helping with the chapter's Annual MATHCOUNTS efforts in the spring. Also that evening, MSPE's Rolla Chapter hosted a joint meeting with the ITE student chapter on the Missouri S&T campus which also included several potential members.

Sommerer said some of the events had higher attendance than expected and some had lower attendance than anticipated, but noted that MSPE's efforts are paying off and will continue to pay off in the future. Adding, "I am confident we will get new members in each chapter this month because of the meetings yesterday."



77th Annual Ozark Chapter Shrimp Feed

And the Ozark Chapter Shrimp Feed statistics for 2017 are: 851 tickets sold, 656 people attending, 16 kegs of beer dispensed, 1,000 cups of soda poured, 560 bottles of water handed out, 100-pounds of sliced deli meat and 72 pounds of cheese served. Plus, for the first time ever, a live band "Brother Ray and the Sometimes Righteous" played at the event.



MSPE 14th Annual Fall PDH Days



Sneak Peak: Don't Miss These Fall PDH Days Sessions

EVENT HIGHLIGHTS

15 PDH's in 2 days
Satisfies 1-year's requirements

AFFORDABLE

\$30 or less per PDH;
1-and 2-day registrations
Cost includes lunch & breaks

SCHEDULE

Check-in Tuesday: 8:30 am,
Programs: Tuesday 9 am - 6 pm,

Check-in Wednesday: 7:30 am
Programs Wednesday 8 am - 4 pm

REGISTRATION DEADLINE

5 p.m. Tuesday, November 28,

LODGING

Capitol Plaza Hotel,
415 W. McCarty St.,
Jefferson City, MO
**\$95 plus tax rate good until
Friday, November 17, 2017.**

Reserve your room by calling
573-635-1234 or 1-800-338-
8088. Be sure to say you're at-
tending MSPE's Fall PDH Days
or

Click here to make your hotel
reservation

ADDITIONAL TOPICS

- MoAPEPLSPLA Board Investigations
- Entrepreneurship 101
- PSC Rate Determination,
- ARC Flash NEC & NFPA Electrical Safety
- Drones 2: Lessons Learned
- Applying Your Ethics Overseas
- Windfarm Community Engagement Process
- MU Research Reactor

Innovation: The Art Of Being Wrong

Stefana Saxton, Black & Veatch

The word 'failure' is littered with negative connotations. Elon Musk financed three failed Space X rocket launches. Edison designed over 2,000 light bulbs that did not work. The Wright brothers crashed dozens of planes and gliders before one took off. Dupont discovered



Stefana Saxton

Teflon through failed experiments and the Americas were discovered through failed circumnavigation. Some failed small, and learned. And some failed big, but survived and thrived. Organizations must embrace failure to accelerate innovation. Through mental framing, learn to create freedom from the fear of failure using adaptive analytical perspectives that encourage ideas and discovery. Keep your organization innovative and successful by creating a culture of passion, drive and ambition in the midst of failure.

Key Takeaways

- Learn practical and applicable ways to create a safe environment for innovation in your work place.
- Be able to identify what types of failures are acceptable to make when innovating and what types of failures should be avoided.
- Form an understanding of your current mindset and design your future mindset for growth to sustain a culture of innovation.

1,800-ft. Railroad Realignment In 72 Hours

By Casey Brunke, P.E. and Stan Polivick, P.E., City of Cape Girardeau

Imagine the complexity of a story plot that requires working jointly with a railway company and the USACE. Then add a twist of an underlying diabolical scheme ages in the making. That became the story of the City of Cape Girardeau Mississippi River Floodwall Rehab. As the story developed, it was necessary to realign 1800-ft of railroad track to allow for a new floodwall toe drain. Many twists in the plot of the story developed as the project progressed. Many challenges were overcome before and during



Casey Brunke, P.E. and Stan Polivick, P.E.

construction to make the realignment successful.

Come hear the story about the history of the Mississippi River in Cape Girardeau and how a seemingly innocent peaceful riverbank cutout would cause seasoned engineers to cry in agony. Stan Polivick, Assistant Public Works Director and Casey Brunke, City Engineer, with the City of Cape Girardeau give a spirited account of all the ins and outs and devious elements of the railroad realignment project of a lifetime.

Hyatt Skywalk Collapse: Lessons Learned

Bill Quatman, Exq., FAIA, Burns & McDonnell

"In terms of loss of life and injuries, this was the most devastating structural collapse ever to take place in this country." U.S. National Bureau of Standards (Feb. 1982). No, it was not the World Trade Tower or Pentagon, nor the Oklahoma City bombing. Years before those events, the worst structural collapse took place in Kansas City, Missouri on July 17, 1981, when two suspended walkways collapsed in the Hyatt Regency hotel, killing 114 and injuring another 216.

This year marked the 36th anniversary of this tragedy. Four decades later, there is still misinformation about what happened, what caused the collapse, and whether it could have been prevented. There are lessons to be learned from this event, lessons that apply to every engineer. Come hear Burns & McDonnell's general counsel, Bill Quatman, Esq., FAIA tell the inside story of what happened, and the events leading up to and following the Skywalk Collapse, including

the disciplinary charges against the two design engineers and their firm.



Bill Quatman



Past President David Howe, P.E. (far right) discusses facets of developing a new strategic plan for the society with the Focus 85 Task Force.

Strategic Plan Under Development

At the behest of MSPE President Ron Black, P.E., a strategic plan task force is working on a 5-year strategy to carry MSPE's to its 85th Anniversary in 2022.

MSPE Past President David Howe, P.E., is leading the Focus 85 Task Force with administrative assistance from MSPE's staff members: Executive Director Bruce Wylie, Membership Coordinator Stacey Meyer and Director of Operations Cherie Bishop. Task Force members are: MSPE Vice President Bob Becnel, P.E., Past President and Convention Committee Co-Chair Marie Collins, P.E., Bruce Dawson, P.E. of Jefferson City Chapter; Ross Kasman, P.E., MSPE-PEPP Past Officer, Central Chapter; Michael Keaton, P.E., Chapter President; Southwest Chapter; Aaron McVicker, P.E., Annual Convention Committee; Northwest Chapter; Kevin Skibiski, P.E., PLS, Past President, Ozark Chapter; Jason Sommerer, P.E., MSPE Membership Committee Chair and Eric Strack, P.E., Western Chapter.

At a face-to-face meeting on September 12th, the task force determined a list of priority goals which was used during the group's October 25th phone conference to review, assign goal leaders and oversight assistance.

Preliminary Goals under review are:

1. Promote the Ethical, Competent and Professional Practice of Engineering

- Promote/support/defend licensure
- Promote licensure tract at member level
- Educate about licensure at college level
- Introduce about engineering at K-12 level

2. Enhance the Image and Stature of Engineering Professionals

- Promote through education
- Share knowledge through enhanced MSPE website
- Increase public relations/awareness

3. Provide Career Development and Networking

- Provide education opportunities through meetings and events

- Promote mentoring opportunities as mentor and mentee
- Facilitate peer-to-peer networking

4. Advocate and Protect Public/Government Relations

- Educate law makers, influence legislator and defend the practice of Professional Engineering
- Develop position statements at the State level and coordinate with NSPE on national level issues
- Monitor and share legislative activities through member communications
- Nominate Professional Engineers for appointments/positions on boards and commissions

5. Optimize Support and Resources to Benefit the Society

- Optimize relationship with NSPE
- Strengthen/organize State structure and optimize for growth
- Optimize relationships with Chapters and Chapter structures
- Prepare onboarding materials/develop guidance resources/support and mentor Chapter leaders
- Provide opportunities for member participation

6. Promote Community Service

- Promote and encourage community service and outreach
- Advertise opportunities for participating in community service
- Track/publicize/communicate community service and involvement

7. Support Educational Foundation

- Identify/develop/promote opportunities for Educational Foundation interaction
- Implement programs administered by the Educational Foundation
- Promote growth of the Educational Foundation programs
- Participate in building care/maintenance as headquarters for MSPE

Task Force members are planning to unveil their on the goals and support strategies, for the Focus 85 Plan in time to present it to the membership at the 2018 Annual Convention.

Put MSPE's Educational Foundation On Your Charitable Gift List

As you contemplate your gift list this holiday season, think about including MSPE's Educational Foundation as a charitable contribution recipient. Donating to the Educational Foundation leaves a lasting impression and makes a positive impact on the future of engineering by:

- Encouraging students to choose the field of engineering
- Improving the public image of Professional Engineers
- Maintaining MATHCOUNT, and
- Supporting STEM initiatives at the chapter level

All contributions to the Educational Foundation are exempt from taxation under 501(c)(3) of the Internal Revenue Service Code of 1986 and are deductible under Section 170 of the code.

No matter the form or amount, your donation is an investment in the future that will be used wisely. Donations to the Educational Foundation made by December 31, 2017 may be claimed on your 2017 income tax.

Thank you for consideration.

Educational Foundation Contribution Form

Donor Name: _____

Address: _____

City: _____

State: _____ Zip Code: _____

Daytime Phone Number: _____

Gifts to the MSPE Educational Foundation are tax-deductible as allowed by law.

Contribution Category

- Endowment Fund MATHCOUNTS
 CHAPTER GRANTS (STEM)
 Building Capital Improvement

Monetary Contribution Amount

- \$1,000.00 \$500.00 \$250.00
 \$100.00 Other amount: _____

Stock contribution

(MSPE Staff will call with details for electronic transfer)

Name of common stock: _____

Number of shares: _____

**Return this form with your contribution to:
MSPE Educational Foundation
200 E. McCarty, Suite 200
Jefferson City, Missouri 65101**



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Envista Forensics addresses the growing demand by insurance claims and legal professionals for a global, multi-disciplinary and highly-skilled forensic consulting partner. Envista Forensics is a global forensic consulting firm that provides a comprehensive array of technical services to the insurance and legal communities.

Responsibilities:

- Investigates residential and commercial sites to determine the cause and origin of structural failures, damages or defects.
- Analyzes damages to structures that have been threatened by catastrophes.
- Prepares accurate, clear, thorough, and concise reports and letters outlining the cause and origin of the damages to clients.
- Follows established policies, procedures, and processes in preparing information, exercising sound judgment in applying these to potentially unusual or complicated situations, and submit reports and documents in a timely manner and in accordance with client's standards and expectations.
- Functions as an effective member of the team, assisting co-workers as needed and learning from colleagues and supervisors; supports the goals of the department, division, and organization; participates in special assignments and activities as required or approved; demonstrates initiative in the interest of the client and the organization.
- Adheres to all applicable federal, state, and local laws as well as applicable regulations and standards.
- Establishes trusted working relationship with clients and interacts socially at mixed engagements with regional clients.

Qualifications:

- Baccalaureate degree in Civil or Structural Engineering is required. MS in Structural Engineering is a plus.
- Skills in analyzing, interpreting, synthesizing, prioritizing, and reporting pertinent information, discerning the essential from the non-essential, and grasping complexities of unusual or complicated cases; research and investigative abilities
- Significant experience (typically 7 plus years) as a design/structural engineer (residential, industrial and commercial buildings).

- Design-build experience desired.
- Experience with commercial, institutional, healthcare, high-rise and governmental facilities is desired.
- Active Professional Engineering (PE) license is required.

If you're interested in applying please send your resume to brian.palumbo@envistaforensics.com.

CITY OF JOPLIN CIVIL ENGINEER II

The City of Joplin, Mo is seeking an individual that has experience in Civil Engineering in the following areas. Develops and implements capital improvement projects, performs the more difficult professional engineering assignments, conduct economic, lifecycle, and sensitivity analysis of alternatives and designs. Duties will also include preparing and assembling complete construction plans, specifications, contract documents. Provides project management services, establishes priorities and adjusts schedules to meet priorities established by the Public Works Director and Assistant Public Works Director in consideration of current departmental goals, objectives, priorities, and workload. To see full job description, go to www.joplinmo.org

This position presents a strong and capable professional the opportunity to add value to the largest city in Southwest Missouri. we offer a comprehensive benefit package including medical, dental, vision, city paid pension plan, 457 deferred comp retirement plan, life insurance, flex plan, tuition re-imbusement, fitness center, vacation plus 9 paid holidays and 2 floating holidays. For Further details and to apply visit www.joplinmo.org or call 417-624-0820 ext 425.

CIVIL ENGINEERING OPPORTUNITY MODOT - NORTHEAST DISTRICT

The Northeast District of the Missouri Department of Transportation is currently seeking candidates for a Pavement Specialist located in our Hannibal office. Requirements include a Bachelor's Degree in Civil Engineering with related experience strongly preferred.

To view the complete job description and to apply, please check out Careers at <http://www.modot.org>. Deadline for applying is November 17, 2017

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Contact The Missouri Engineer Editor Cherie Bishop at 573-636-6949 or cbishop@mspe.org



Membership Committee Sets Up Challenge

After holding a kickoff meeting in August, MSPE's Membership Committee is off to a busy start with the PE Ceremony and the first of our monthly membership phone conference discussions in September.

This year's committee focus will be the Four R's: Recruiting, Retention, and Reclaiming/Renewing. Our committee is engaging in a friendly competition to see who can recruit the most members and contact the highest percentage of dropped and delinquent members. Last year was the first year, in recent memory, where there was an overall membership increase. So, this year's challenge is to build on that success and continue to grow our membership. We're already one-quarter of the way into the membership year and are continuing to limit the number of dropped and delinquent members to about the same pace as last year. Our goal for the year is to maintain the pace of new members to offset the dropped members.

We discussed the importance of inviting non-members to meetings to let them see firsthand what our organization is about. That quickly led into discussions on the importance of having a vibrant chapter with a robust set of activities to invite potential members. This was also the case for retaining members - in order to have engaged members, our chapters need to schedule meetings with PDH presentations, time for networking, as well as provide opportunities for volunteering and community service. Retaining members was stressed, to minimize the number falling into that the "reclaiming" category. These are members who have fallen into delinquent or even dropped status because of not renewing their annual membership. Each month, the Membership Committee reviews a report prepared by Membership Coordinator Stacey Meyer then reaches out to any delinquent or dropped members in their chapter. Sometimes members fall into this last category unintentionally, and the reminder phone call or email is all that is needed to prompt them to renew their membership. Other times, we find that the members have either lost interest, don't have time to participate, or lack activities to participate in. While individually we can't address all of those concerns, we can do our best as chapter leaders to provide a variety of activities for members. All members can join in this effort by inviting friends and colleagues to a meeting or chapter activity and following up with an invitation to join.

MSPE's Fall PE Ceremony had another great attendance, partly thanks to the efforts of membership committee contacting the new PEs to tell them about the ceremony and personally inviting

them to participate. Contacting the new PEs is the toughest challenge facing the Membership Committee since privacy concerns has limited the MoAPEPLSPLA Board's ability to share any information other than the names and addresses of the new PEs. For this fall's ceremony, reviewed the list for known colleagues, and then utilized social media platforms such as LinkedIn and Facebook to reach to the new PEs. We are confident the attendance level at the PE ceremony is higher than it would be without these efforts.

Upcoming tasks for the remainder of the year include coordinating with MSPE's marketing consultant on implementation of the new website, as well as researching and understanding the impact of NSPE's new membership model.

Welcome New Members

MSPE welcomes the following members who joined or re-joined the society from August to October 2017.

CENTRAL CHAPTER

Charles Farris, P.E.
Shafer, Kline & Warren, Inc.
3200 Penn Terrace, Suite 100
Columbia, MO 65202

OZARK CHAPTER

Ronald Rinke, P.E.
Paul Mueller Company
1600 W. Phelps St.
Springfield, MO 66802

SOUTHEAST CHAPTER

Timothy Pickett, P.E.
MoDOT
2675 N. Main St.
Sikeston, MO 63801
Stan Polovick, P.E.
City of Cape Girardeau
2007 Southern Expressway
Cape Girardeau, MO 63703

SOUTHWEST CHAPTER

Katrina Smith, E.I.
Empire District Electric
3400 S Kodiak Rd
Joplin, MO 64804

WESTERN CHAPTER

Richard Killeen, P.E.*
Burns & McDonnell
P.O. Box 419173
Kansas City, MO 64114
Stephen Pellegrino, P.E.*
Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114
Justin Reynolds, P.E.
Terracon Consultants Inc.
13910 West 96th Terrace
Lenexa, KS 66215

Asterick () Indicates a member re-joined*



Sustaining Organizations

ABNA Engineering
St. Louis, MO
Allgeier, Martin & Associates
Joplin, MO
Allstate Consultants
Columbia, MO
Ameren
St. Louis, MO
American Concrete Paving Association
Overland Park, KS
Anderson Engineering
Springfield, MO
Black & Veatch
Kansas City & St. Louis, MO
Burns & McDonnell
St. Louis, MO
Cook, Flatt & Strobel
Topeka, KS
Gaskin Hill Norcross, Inc.
Springfield, MO
George Butler Associates
Lenexa, KS
Gibbens Drake Scott
Raytown, MO
GREDELL Engineering Resources, Inc.
Jefferson City, MO
Holmes Murphy
Overland Park, KS
Horner & Shifrin, Inc.
St. Louis, MO
Kuhlmann design Group
St. Louis, MO
Lockton Companies
Kansas City, MO
Palmerton & Parrish, Inc.
Springfield, MO
Scurlock Industries
Springfield, MO
Shafer, Kline & Warren
Lenexa, KS
Strickland Engineering
Jackson, MO
The Piker-Kulesa Group & RBC Wealth Management
Leawood, KS
Walter P. Moore & Associates
Kansas City, MO

Life and Retired Requests Due By January 5, 2018

Members who may be eligible for Life or Retired membership status are requested to review the criteria below and make application as directed by January 5, 2018 for Board of Director consideration at the Winter Board Meeting set for Saturday, January 20, 2018.

LIFE MEMBERSHIP

Criteria for Life Membership (waiver of dues with the option of paying voluntary dues) are:

- Has held a valid license or certificate of registration as a professional engineer.
- Is age 65 or older and retired from full-time employment and/or the active practice of engineering.
- Has been a member of MSPE for at least 30 years and paid dues continuously.
- Application for life membership must be made by personal application to the Board of Directors through the state office and submitted to MSPE's Membership Coordinator Stacey Meyer's attention.

RETIRED STATUS

Retired status (half-dues) criteria are:

- Has held a valid license or certificate of registration.
- Age 65 or older and retired from full-time employment and/or the active practice of engineering.
- Paid dues to MSPE continuously for at least five years.
- Application for retired status must be a personal written request to the Board of Directors and submitted to MSPE's Membership Coordinator Stacey Meyer's attention in care of the state office.