THE OFFICIAL PUBLICATION OF THE MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

NSPE-MO® MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

The Missouri ENGINEER

SPRING 2023

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Missouri State Capitol Building with spring tulips.

PRESIDENT'S MESSAGE

Rachel Goeke, P.E. - MSPE President

Hello everyone! This is my final President's Message, as MSPE's State Officer Terms come to aclose on June 30, 2023. It has been a great year for MSPE, and there is always more work to be done. Thank you all for your membership, volunteerism, and support of MSPE and MSPE's activities throughout the 2022-2023 Operating Year, and for your dedication and enthusiasm that carries forward.

I hope you can join us at MSPE's Annual Convention on June 7 to 9, 2023 at Old Kinderhook in Camdenton, where our 2023-2024 MSPE Officers will be installed at the Awards Banquet on Thursday evening, June 8, 2023. Registration information is available at this link: Missouri Society of Professional Engineers - MSPE 2023 Annual Convention.

MSPE's Founding Principles and the Spring Legislative Session: MSPE was founded on January 9, 1937, with the objective of passing an engineering licensure law in the State of Missouri. Since its founding, MSPE has remained focused on advocating, promoting, and defending professional engineering licensure to protect public health, safety, and welfare. MSPE represents all professional engineering disciplines, and promotes member engagement with STEM (Science, Technology, Engineering, and Mathematics) activities for the continued growth and future of the engineering profession.

MSPE is constantly working to advocate, promote, and defend professional engineering licensure law. MSPE did some of our best work throughout the Spring Legislative Session in 2023. Of specific relevance, MSPE worked with the State Legislature to remove temporary licensure language from SB 157. Other items of interest to MSPE's membership include: SB 109 which preserved $25 Million in annual fees for the MDNR and allowed the MDNR to retain its delegate authority from the EPA; and the State Operating Budget which included $2.8 Billion in funding capacity for improvements to I-70.

I want to give a special thanks to MSPE's paid lobbyist Mr. Mark Rhoads for his contributions to MSPE's objectives. For those of you who don't know, Mr. Rhoads is a Registered Lobbyist who works for several Clients, including MSPE and ACEC-MO. Mr. Rhoads' contract with MSPE is included in MSPE's annual Operating Budget, and a small portion of your membership dues go to support his work on behalf of MSPE.

I'd also like to thank MSPE's current Vice President and current Government Relations Committee (GRC) Chairperson, Ms. Anika Careaga, P.E. with Midwest Environmental Consultants, P.C. Anika has worked diligently communicating with our legislators and paying close attention to the fine print as draft legislation moves rapidly through the legislative landscape.

Membership Growth: MSPE has seen our paid membership increase considerably in 2022-2023, but there is more work to do. MSPE is working on behalf of all professional licensed engineers in the State, and for the future of our profession. Please help spread the word about the value of MSPE, and our need for "strength in numbers" to support MSPE's objectives. More information about MSPE Membership can be found on MSPE's website here: Missouri Society of Professional Engineers - Join.

Get Plugged in and Get to Know Your Colleagues: MSPE's local Chapters are encouraged to communicate with State MSPE staff and keep the calendar populated on MSPE's website: Missouri Society of Professional Engineers - Events Calendar.

I encourage all of you to attend an upcoming event in your local chapter or in another chapter if your travels take you around the State. MSPE provides us all with a professional network to make acquaintances, business colleagues, and lifelong friends. I encourage you to get plugged in and meet somebody new.

If you're looking for a way to get involved, and don't know where to start, consider filling out the form available on MSPE's Volunteer Portal (Missouri Society of Professional Engineers - Volunteer) and someone from MSPE's Staff will get back in touch with you soon.

Thank You All: Thank you all for your support as my year as MSPE President comes to a close. There is a great need for MSPE, and MSPE is well-positioned to meet that need with continuity, steadfastness, and momentum in the coming years.

MSPE ANNUAL CONVENTION

Come have fun, learn and network!

MSPE's Annual Convention is a unique opportunity that gathers licensed Professional Engineers of numerous disciplines from many sectors of employment! Large, mid-size and small consulting firms, state agencies, local government and higher education...they are all here! What better place to network and have fun?

Registration is now available for the Missouri Society of Professional Engineers Annual Convention being held June 7-9, 2023 at The Lodge at Old Kinderhook in Camdenton, Missouri.

AGENDA AT A GLANCE

Wednesday, June 7
Registration & Check In
Educational Foundation Board of Directors Meeting
Board of Drectors Meeting
Welcome Reception

Thursday, June 8
Joint Session: Desiging the Next Generation of Engineers
Joint Session: The View of Engineering by Government Engineers
Joint Session: Future of Professional Engineer Licensure
Lunch & Annual Membership Meeting
Concurrent Sessions
Membership Committee Meeting
Practice Division Social Gatherings
Young Engineers Social
Annual Awards Banquet

Friday, June 9
2023 Legislative Session Update
Legislative Panel
Closing Keynote Presentation

TO REGISTER AND VIEW THE FULL AGENDA, PLEASE CLICK HERE.

For questions, contact us at info@mspe.org or 573-636-4861.

PEG Joint Session #3

MSPE held a joint professional engineers in government seminar with Kansas Society of Professional Engineers at Burns & McDonnell in Kansas City on April 6, 2023. The curriculum focused on current issues in public sector engineering, and the event featured several different speakers. Attendees were able to earn up to 6 PDH credits.

WELCOME NEW MEMBERS

CENTRAL CHAPTER

Andrew Bonderer, P.E.
Professional Contractors & Engineers, Inc.

Jacob Dodge STUDENT
University of Missouri

JEFFERSON CITY CHAPTER

Laura Koonce, P.E.
Jviation, A Woolpert Company

Clark York, P.E.
Prinsco

NORTHEAST CHAPTER

Blake Murr STUDENT
University of Missouri

NORTHWEST CHAPTER

Thomas Bartosiewicz, P.E.
Site Consulting Engineers, LLC

J. Bruce Woody, P.E.
Emerald Coast Utilities Authority

OZARK CHAPTER

King Coltrin, P.E.
City of Springfield Department of Public Works

Jason Smith, P.E.
City Utilities of Springfield

Mark Young, P.E., P.L.S.
Wilson Surveying Company

ROLLA CHAPTER

Jacob Bandy STUDENT
Missouri University S&T

ROLLA CHAPTER

Nicolas White, EIT
Olsson, Inc.

ST. LOUIS CHAPTER

Erfan Asadipour STUDENT
Washington University in St. Louis

Christopher Bathon STUDENT
University of Missouri

Ndudiri Onyewuche, P.E.
Ameren

John Sigwart, P.E.
Nestle Purina PetCare

WESTERN CHAPTER

Andrew Dorman, P.E.
Burns & McDonnell

VOLUNTARY DUES CONTRIBUTORS

Thank you to our lifetime members that provided a voluntary dues contribution to further the MSPE mission.

Edmund Johnson, P.E.
Ronald Hill, P.E.
Jim Guthrie, P.E.
Joel Cerwick, P.E.
George Satterlee, P.E.

Charles Owsley, P.E.
William Clarke, P.E.
Kevin McMeel, P.E.
Thomas Abernathy, P.E.

2023 NATIONAL ENGINEERS' WEEK CELEBRATION AT THE SAINT LOUIS SCIENCE CENTER

Erin Jearls, P.E. - St. Louis Chapter Director

The Missouri Society of Professional Engineers St. Louis Chapter helps coordinate the SciFest Engineering Expo held Saturday, February 25, 2023, from 9:30 a.m. to 4:30 p.m. at the Saint Louis Science Center in celebration of National Engineers Week (EWeek). A variety of engineering fields were represented by organizations, government agencies, companies, and colleges.

Engineering societies present during the EWeek event in addition to MSPE included the American Society of Civil Engineers (ASCE) with their cable stayed bridge model and kinetic sand MSE wall activities. The center for Power Optimization of Electro-Thermal Systems (POETS) spans electrical, mechanical and materials engineering with an activity to demonstrate how power densification works to provide more power. The Society of American Military Engineers (SAME) Saint Louis & Scott Field Post had catapult kits for visitors. The Society of Hispanic Professional Engineers (SHPE) had opportunities to put aluminum foil boat building skills to the test and see how well the boats would float.

Boeing brought a variety of aviation activities including a miniature flight simulator and marshmallow building activity. Cardinal Glennon demonstrated some medical equipment through human system examples and use of a practice dummy. Geotechnology displayed their interactive ground penetrating radar, St. Louis Army Recruiting Company was in attendance, and the United States Army Corps of Engineers brought several hands-on models including their water sediment transport model and levee protection model in addition to making life preservers.

The variety of FIRST Robotics Teams from FIRST Lego League (FLL) & FIRST Tech Challenge (FTC) had robots completing tasks and challenges on a course setup for spectators to drive. In attendance from FIRST FLL were Robot Enthusiasts from Academy of the Sacred Heart in St. Charles and the Eldon Gearheads from Eldon, MO. Attending from FIRST FTC were JoeBotics from St. Joseph's Academy, Tech Titans from Hazelwood East High, community team Plus Gang (competing at championship), FERMIONS from Lafayette High School, BARYONS from Marquette High School (competing at championship), KAONS from Lafayette High School, and Medusa Robotics from Incarnate Word Academy. Gateway Electric Vehicle Association (GEVA) demonstrated how an electric vehicle works, Girl Scouts of Eastern Missouri (GSEM) displayed their robotics program, and Greater St Louis Flight Instructors Association (GSLFIA) showcased photos and videos of various aircraft. McDonnell Genome Institute discussed DNA building blocks and St. Louis Space Frontier demonstrated photobioreactors and a Stirling engine. Wings of Hope featured their various programs for all ages with model airplane building opportunities. The Saint Louis Science Center's Youth Exploring Science (YES) Aerospace Group displayed their program and had a helicopter building activity.

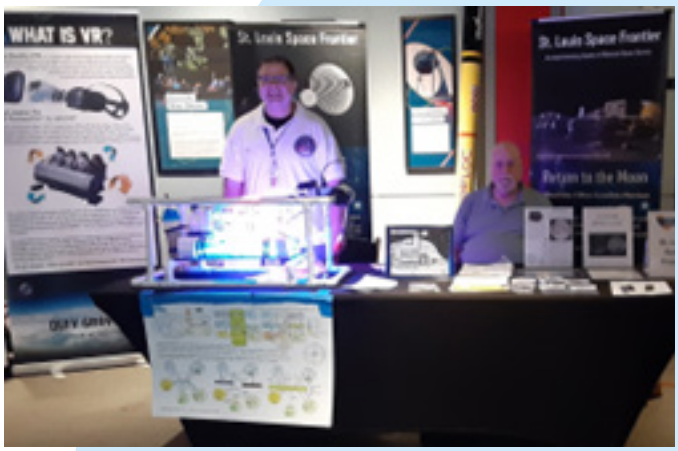
Several universities participated at SciFest including Missouri University of Science and Technology (Missouri S&T) with their Student Design Center groups including Aviation, American Nuclear Society, Baja SAE Car, Combat Robotics Team, Concrete Canoe, Formula SAE Car, Human Powered Vehicle, Institute for Multi-messenger Astrophysics and Cosmology (IMAC), Mars Rover, Rocket Design, and Steel Bridge. Maryville University Center for Access and Achievement displayed miniature robots created from their Science and Robotics Program. Southern Illinois University Edwardsville (SIUE) ASCE group showcased their simulated earthquakes shake table. Southwestern Illinois College (SWIC) represented their aviation degree and credentials program. Washington University (Wash U)'s Goualougo Triangle Ape Project/Dept of Anthropology featured the Congo and eating techniques used by apes, Wash U's School of Medicine discussed their medical program and Neurobio outreach and Spectra from Wash U demonstrated thermal imaging. University of Missouri St. Louis (UMSL) College of Optometry showed how the human eye functions. UMSL/Wash U Joint Engineering Program loaded small bridge structures until collapse, demonstrated a screw pump, and tested the hot wheel tracks.

The MSPE exhibit was located near the entrance of the Science Center next to the registration table and intrigued many throughout the event. It was comprised of a ramp, a ball at the top of the ramp, office supplies, and a Buzz Light-year figurine. The objective was to have participants build a structure out of the given supplies to protect Buzz Light-year, located at the bottom of the ramp, from being knocked over by the ball (a.k.a. the asteroid) that rolled down the ramp. The activity was popular with all age groups, and a variety of solutions were discovered.

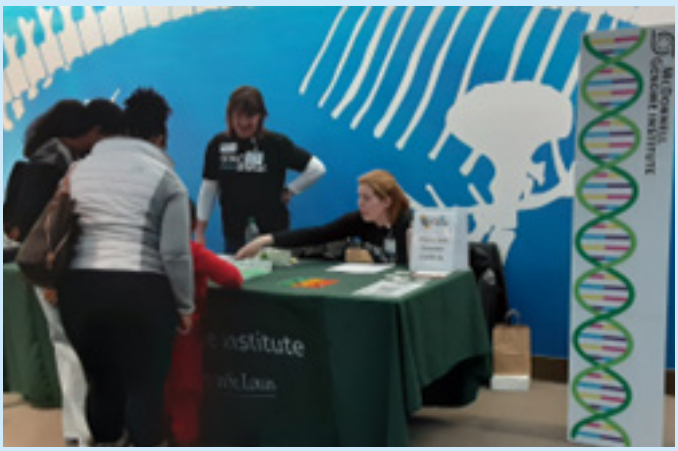
Thanks to these volunteers who made the MSPE exhibit a success: Michael Buechter, Lisa Cheng, Jeremy Davidson, Diane Grossenheider, Marie Collins, & Steve Liescheidt.

EWeek is nationally recognized and concluded in St. Louis, MO with the close of the Saint Louis Science Center (SLSC). Attendance was recorded Saturday with 3,898 people. A special thanks to SLSC's Ruth Watt for making the SciFest Engineering Expo at the SLSC in celebration of National EWeek such a wonderful, educational, and exciting event. We are looking forward to next year's National EWeek celebration at the SLSC scheduled for February 24, 2024!

Continue to the next page to view pictures from the event.



St. Louis Space Frontier demonstrated photobioreactors and a Stirling engine.



McDonnell Genome Institute discussed DNA building blocks.

Maryville University Center for Access and Achievement displayed miniature robots created from their Science and Robotics Program.

U.S. Army Corps of Engineers brought several hands-on models including their water sediment transport model and levee protection model in addition to making life preservers.

University of Missouri St. Louis (UMSL) College of Optometry showed how the human eye functions.

Boeing brought a variety of aviation activities including a miniature flight simulator and marshmallow building activity.

MSPE Volunteer Portal

There are many ways MSPE members can become more involved to assist functions/activities central to the MSPE and/or MSPE's Educational Foundation mission. There are numerous opportunities that range from specific projects lasting for a day to regular committees or positions that serve over the course of a year.

The following online form provides MSPE and the Educational Foundation to the ability to match members with activities that interest them.

Completing the form is not a firm commitment but provides an opportunity for staff or a member to reach out and discuss the function, time commitment and service it provides MSPE, engineering industry and the public.

Click HERE to view the current list of MSPE committees and their respective objectives and goals.

Click HERE to view the current list of Foundation committees and their respective objectives and goals.

ACCESS THE VOLUNTEER PORTAL HERE

2023 MISSOURI LEGISLATIVE UPDATE

Travis Lowe, CAE - MSPE Executive Director

The 2023 Legislative Session is in the books as legislators wrapped up business on May 12. The session offered many policy issues of interest, including licensure and industry issues. We appreciate our members staying tuned over the course of the session months, via the MSPE weekly legislative updates. Before we dive deeper in the details, we would like to thank our volunteers on the Government Relations Committee, chaired by Anika Careaga, P.E, along with our MSPE contract lobbyist Mark Rhoads as the boots on the ground. It is a great team effort to ensure an effective government affairs program is working to support engineering licensure.

With over 2,200 bills and resolutions being introduced since December, MSPE tracked dozens of bills on the MSPE radar. While some of the bills stood idle, others generated discussion and made progress through the legislative process.

Bill text can be viewed at these links on the House and Senate websites. If you see one of these bills, or bills noted in our weekly report, that you want to discuss, please email me at tlowe@mspe.org.

Impacting Licensure

As seen in recent sessions, licensure qualifications and reciprocity continue to see discussion under the dome. This session MSPE dedicated considerable time on SB 88, creating a path to licensure via work experience. Essentially modelled after 2022's HB 1900, the 2023 bill provides a path to licensure if they have three years of relevant work experience from another state that did not require a license.

In the early session weeks, MSPE communicated concerns to legislators and at the bill's hearing. MSPE specifically noted the concern of the bill being applicable to licensed professional engineer as specific projects and positions requiring an engineer license varies from state to state. In addition, MSPE opposes Missouri licenses issued to individuals who did not earn a license through the tradition process required for Missouri residents. Later in the session, the Senate committee adopted a substitute version of SB 88, giving licensure boards additional authority during the application process. Further, MSPE was able to clarify the proposed application process would not be applicable to licensed professional engineers as long as each state has engineer licensure.

The revised version of SB 88 eventually passed the Senate but stalled in the House as the session ended. MSPE expects this bill, or similar concepts, to be resumed next year.

Land Surveyor Legislation

MSPE tracked several bills impacting the state's surveying laws. Several measures received hearings with HB 202 making it across the finish line by the end of session. The bill includes language repeals provisions relating to the "Missouri Coordinate System of 1927" and the "Missouri Coordinate System of 1983" and provides that the most recent system of state plane coordinates established by the National Geodetic Survey based on the National Spatial Reference System.

Impacting Transportation

Similar to last session, MSPE continues to keep a close eye on proposals to impacting transportation funding, including but not limited to, changes to the 2021 fuel tax increase. MSPE is an active member of the Missourians for Transportation Investment (MFTI), a state coalition supporting transportation funding. In addition to protecting the existing funding sources, this session saw momentum for widening Interstate 70 across the state to six lanes, a main objective of MFTI's "Fix MO Interstates" campaign. The campaign started last fall with MSPE listed as a supporting organization.

As the dust cleared after the constitutional deadline to approve the state budget, the negotiated version included $2.8 billion to widen Interstate 70 from Blue Springs to Wentzville. $1.4 billion comes from the general revenue surplus and $1.4 billion from bonds. Additional language also requests studies for the needs of Interstate 44. The budget has been sent to Governor Parson. Many organizations voiced support for the enhanced funding while MSPE appreciates its collaboration with MFTI, as well as ACEC Missouri's role.

A wagon load of transportation bills was monitored by MSPE, some seeing movement in the process.

Impacting Other Infrastructure

MSPE monitored and engaged throughout session on a number of Missouri Department of Natural Resources (MDNR) bills. The MDNR funding bill saw considerable effort by MSPE, including leading the coordination efforts with other associations. On the final day of session, the negotiated version of SB 109 passed with language supported by MSPE. MSPE's Anika Careaga, P.E. provided committee testimony several times during the session, stressing the importance of the bill with the potential loss of almost $25 million of MDNR funding and the threat of losing Missouri's delegated authority programs from EPA if the sunsets expired. After the bill passed, Anika Careaga noted the cooperation of many associations, along with MDNR staff, working together to support the bill with Mark Rhoads' efforts crucial for passage.

Among other provisions in SB 109, language from another bill was added to add any earthen basin constructed to retain and settle nontoxic, nonmetallic earthen materials to the activities excluded from construction permits.

State Government Engineer Wages

Earlier in the session, Governor Parson signed the emergency supplemental budget, enclosed in HCS HB 14. The budget included an 8.7% pay raise for state employees, which would apply to engineers employed by state agencies.

MSPE Member Engagement

As the session draws to a close, MSPE thanks all of our members for their attention during the session. This includes taking the time to read the weekly updates and parturition in our capitol day event.

We would like to offer additional appreciation for our volunteers on the MSPE Government Relations Committee. This committee, comprised of a wide variety of members representing many disciplines from across the state, meets regularly from December through May to provide input to Mark Rhoads and MSPE staff.

2023 Government Relations Committee

Chair:
Anika Careaga, P.E.

Members:
Ron Black, P.E., F.NSPE
John Briggs, P.E.
Lisa Douglas, P.E.
Sheryl Gallagher, P.E.
Michael Purol, P.E.
Tim Quinn, P.E.
Gary Strack, P.E., F.NSPE
Carlos Sun, PhD, P.E.

Staff:
Travis Lowe, CAE
Blake Murray

Contract Lobbyist:
Mark Rhoads

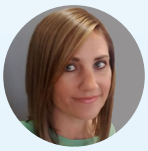
Legislative discussion will continue at the MSPE Convention in June, where Missouri House Representative Bob Bromley, P.E. will lead a panel focused on Missoui issues impacting licensed professional engineers.

MSPE 2023 – 2024 OFFICER NOMINEE SLATE

The Nominating and Tellers Committee, chaired by Immediate Past President Mitch Krysa, P.E. (Western), with Past President Bob Becnel, P.E., F.NSPE, (St. Louis), Past President Neal Brady, P.E. (Ozark), Past President Kurt Higgins, P.E. (SW), Member Josh Hartsock, P.E. (Central) met on April 3, 2023 to select the president-elect, vice president and treasurer nominee that will join the current slate of officers to lead MSPE in 2023-2024.

NOMINEES

President
Kelsie Clark, P.E.



President-Elect
Anika Careaga, P.E.

Vice President
Michael Buechter, P.E.

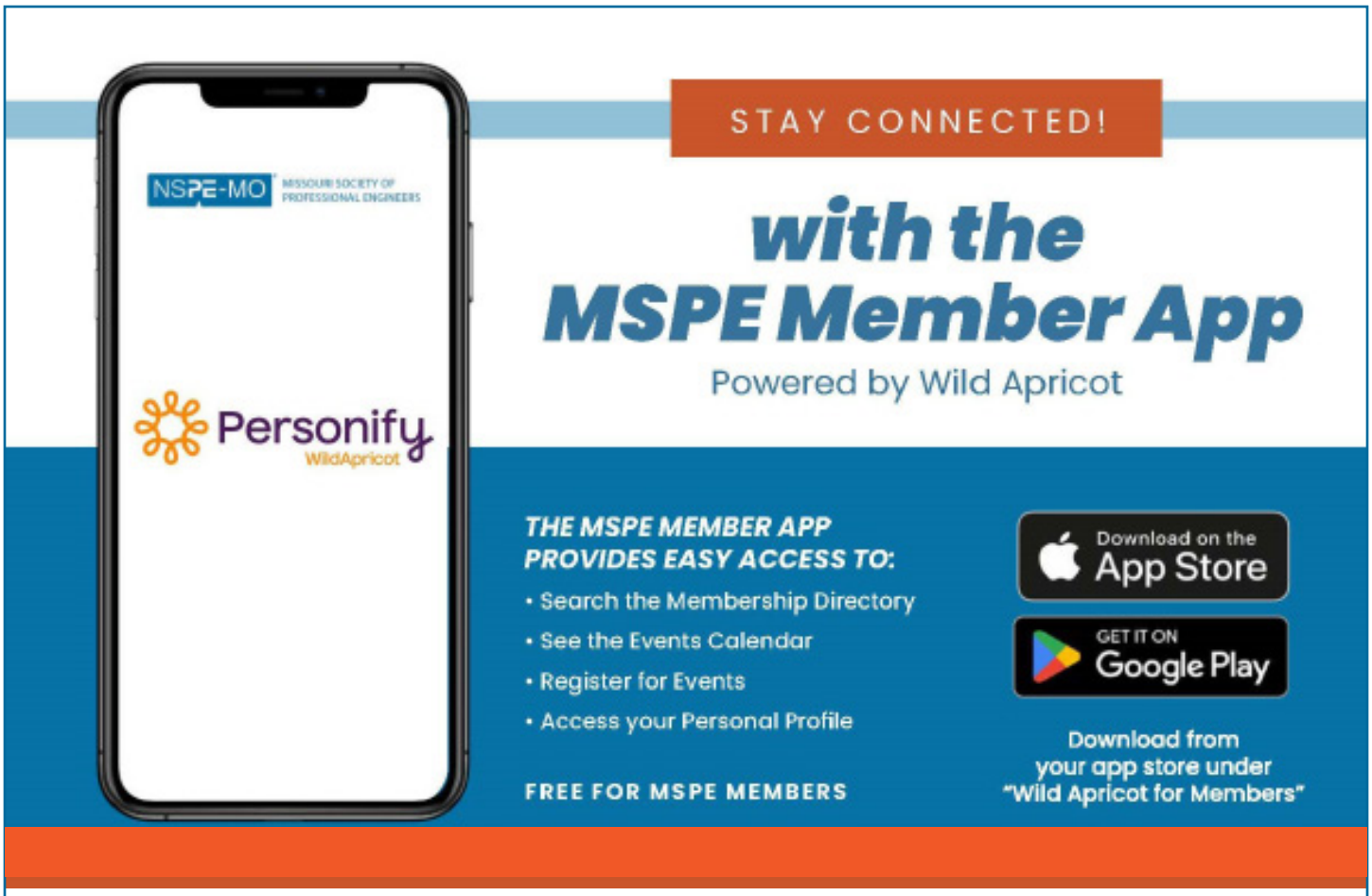
Treasurer
Charles Loughman, P.E.

Past President
Rachel Goeke, P.E.

In accordance with MSPE's Bylaws, the president-elect automatically assumes the position of President. The positions of president-elect, vice president and treasurer were advertised and open for candidates, for one member applied for each role.

The election of the Slate of Officers presented by the Nominating and Tellers Committee will take place on Wednesday, June 7, 2023 during MSPE's Annual Convention.

In accordance with MSPE's Bylaws Article VII, Section 4: Election of Officers (B) additional nominations for the respective offices may be made by written petitions containing the signatures of at least ten members eligible to vote provided that not more than four of those signing any one nominating petition shall be members of the same local chapter, and provided further that any such nominating petition shall reach the Society's secretary not later than thirty-five days prior to the date of the annual election.



About the App

In an effort to utilize additional communication vehicles to reach our members, MSPE is now offering our membership their very own member app.

The app will provide easy access to your personal profile, the membership directory, and the events calendar. You can even register for events using the app.

The MSPE member app is powered by Wild Apricot, the association management software used by MSPE. The app is free for members and is available now to download on smart phones via the App Store or Google Play Store. Just type in "Wild Apricot for Members" in your store's search bar to find it.

The login used for the member app is the same login and password members use to gain access to the MSPE website.

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Kelsie Clark, P.E.

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Anika Careaga, P.E.

Treasurer
Michael Buechter, P.E.

Secretary/ED
Travis Lowe, CAE

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Colten Harris, P.E.

At-Large Director
Lisa Douglas, P.E.

At-Large Director
Julie Hawkins, P.E.

Immediate Past President
Mitch Krysa, P.E.

Past President
John Riediger, P.E.

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Charles Morris, P.E., PhD

Jefferson City
Jason Sommerer, P.E.

St. Louis
Jeff Hoevelmann, P.E.

Northeast
Kenneth A. Epperson, P.E.

Northwest
Tim Klein, P.E.

Ozark
Andrew Flippin, P.E.

Southwest
Jacob Bradley, P.E.

Western
Sheryl Gallagher, P.E.

Southeast
Andy Meyer, P.E.

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Jim Fisher, P.E.

P.E.s-Government
Eric Seaman, P.E.

P.E.s-Higher Education
Charles Morris, P.E., PhD

P.E.s-Industry
Bob G. Becnel, P.E., F.NSPE

P.E.s-Private Practice
Josh Lehmen, P.E.

MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS is the only state professional engineering society and represents all practice area disciplines. MSPE promotes the protection of the public health, safety and welfare through the ethical and competent practice of engineering. MSPE advocates licensure and enhances the image and well being of its members.

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Josh Lehman, P.E.
email

Jefferson Chapter
Bryan Gregory, P.E.
email

Northeast Chapter
Kenneth Epperson, P.E.
email

Northwest Chapter
Kelvin Underwood, P.E.
email

Ozark Chapter
Bethany Forrester, P.E.
email

Rolla Chapter
Joel Burken, P.E., PhD
email

St. Louis Chapter
Mike Rademacher, P.E.
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Southeast Chapter
Benji Philpot, P.E.
email

Southwest Chapter
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email

Western Chapter
Tim Scott, P.E.
email

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Director
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Director
Tia Griffin, P.E. (2025)

Director
Kevin Skibiski, P.E., SE, PLS, F.NSPE (2023)

HOW TO GIVE

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**. For more information, email Greg Braden or go online.

Also, consider contributing to the MSPE Educational Foundation by using your Required Minimum Distribution (RMD) from your IRA.

Contributions to the Foundation During Membership Renewal
For members planning to make a tax deductible donation to the MSPE Educational Foundation, the NSPE membership renewal portal has an option to add a donation by clicking "Add Donation" next to the MSPE Educational Foundation icon. These funds go directly to the state Foundation. Thank you!

WILLIAM R. AND MILA KIMEL GRADUATE SCHOLARSHIP APPLICATION

In accordance with the wishes of Dean Kimel for use of the Kimel Endowment Program funds, the MSPE Educational Foundation is offering one $10,000 scholarship, per year, to a graduate student enrolled in the University of Missouri's College of Engineering.

Eligibility requirements include:

- Recipient must be a graduate student pursuing a master's or PhD degree in engineering.
- Recipient must have a desire to teach engineering in higher education after graduation.
- Recipient must have passed the fundamentals exam (FE).
- Applicants for this award, shall describe in writing their need for this support in addition to any other anticipated support and include their personal interest in teaching engineering in higher education.

For information related to the process and eligibility, please contact foundation@mspe.org.

The recipient of the William R. and Mila Kimel Graduate Scholarship is Xu Huang in the Mechanical and Aerospace Engineering Department's PhD program at the University of Missouri in Columbia.

In applying for the scholarship, Xu Huang wrote:

Both of my parents became teachers right after they finished school. A few years later, at the time I was born, some of their students had already become teachers. There were always some students who kept in touch with my parents even after they graduated. They sent flowers and sometimes visited festivals. They shared with me the beautiful memories of when they were at school, and I always liked their unique stories. These experiences planted the seed in me that grew to my wanting to teach higher education and apply for this scholarship.

Like my parents, I have an interest in teaching because I like to help people learn and increase their knowledge. Many engineering students enjoy hands-on projects, and it is always satisfying for them to see what they have made. I am one of them, and I feel marvelous to have teachers share the same hobby with me. Having the same interests will help me build better connections with my future students. Along with this, since most engineering students will be employed in industry, I realized if I want to teach engineering students, I need to have enough experience, not only in theory but also in practice. So, after graduation I became a mechanical engineer. I took the FE and PE exams and became a licensed engineer. With six years of industrial experience, I believe I will be a better engineering teacher in college.

Nowadays the cost of school is relatively high. I worked a few years, so I have some savings. However, I am now pursuing a PhD degree while my wife is in college, continuing her bachelor's degree in engineering. With both of us in school, we do not have time to work a full-time job to earn more income. Financial support, like this scholarship, would be really helpful for me to achieve my goals to become a college engineering teacher.

THANK YOU TO OUR 2023 ANNUAL PARTNER SPONSORS!

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