

THE OFFICIAL PUBLICATION OF THE MISSOURI
SOCIETY OF PROFESSIONAL ENGINEERS

NSPE-MO

MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS



The Missouri **ENGINEER**

FALL 2022

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Missouri Society of Engineers
308 E High St. Suite 100
Jefferson City, MO 65101
Phone: 573-636-4861
info@mspe.org
www.mspe.org

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STAY CONNECTED!



PRESIDENT'S MESSAGE

Rachel Goeke, P.E. – MSPE President



Hello again! My name is Rachel Goeke, and I am your current State Missouri Society of Professional Engineers (MSPE) President. MSPE's membership is doing great work and building fantastic relationships throughout the State.

There is Lots Going On!

Check out MSPE's website at mspe.org/Events-Calendar for Events that are going on around the State. If you're travelling for work, or for fun, consider mapping out your trip to catch a Chapter event outside of your home territory.

I had the opportunity to visit the Jefferson City Chapter and the Western Chapter in September, and it was GREAT! I met a lot of new and wonderful people who are MSPE members throughout the State. I also learned that there are no red light cameras in Jefferson City, and that Kansas City's roadways are under construction. Thanks again to Tim Scott, current Western Chapter President, for the safe transport around Kansas City.

Don't Reinvent the Wheel!

Supporting local STEM activities is a passion for many of our MSPE Members. There's a large number of established programs in our communities that would appreciate MSPE's continued support, or new support. A couple examples include:

- The First LEGO League – The MSPE Educational Foundation's President, Ms. Marie Colins, P.E., is a big supporter of the First LEGO League. Get in touch with Marie (boatmc57@gmail.com) if you'd like more information!
- [aSTEAM Village](#) in Kansas City - MSPE Leadership had the opportunity to visit aSTEAM Village in September, and it is impressive. [Check it out](#) and see how you can help support their work!
- At your Chapter Level, get in touch with your Chapter Leadership and ask what opportunities there are to get involved. MSPE Chapters throughout the State support STEM and STEAM organizations including MATHCOUNTS, Project Lead the Way, local Science Fairs, Bridge Competitions, and more!

Design Alliance Task Force and Call for Expert Witnesses!!!

MSPE hosted the Annual Design Alliance Task Force Meeting on October 5, 2022. The Design Alliance Task Force Meeting provides a forum for the State Licensure Board (Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects (APEPLSPLA)) to meet with the Professional Organizations that represent Professional Engineers, Architects, Professional Land Surveyors, and Professional Landscape Architects. The group was founded in 2002 after a discussion about a concern that the Board needed to define the term "incidental practice". As the group has evolved, it has been able to exchange information among the Professions and the Board, and has been instrumental in vetting and refining proposed legislation language so that it meets the needs of all of the Groups.

This year's meeting was hosted by MSPE's Executive Director, Mr. Travis Lowe with support from APEPLSPLA's Executive Director, Ms. Judy Kempker. The meeting was hosted via Zoom and had record attendance of 24 people. The Licensure Board was well represented by:

- Mr. Robert Hartnett–Board Chairman
- Mr. Kevin Skibiski–Professional Engineering Division Chair
- Mr. Mark Nolte–Professional Land Surveying Division Chair
- Mr. J.C. Rearden–Architectural Division Chair
- Mr. Robert Shotts–Professional Landscape Architects Division Chair
- Ms. Amy Strauss–Professional Engineering Division Member
- Mr. Chad Greer–Architectural Division Member
- Mr. Noel Fehr–Professional Landscape Architects Division Member

The Missouri Society of Professional Engineers (MSPE), American County of Engineering Companies of Missouri (ACEC-MO), Missouri Society of Professional Surveyors (MSPS), American Institute of Architects (AIA); and the American Society of Landscape Architects (ASLA) were represented by their Executive Directors, Lobbyists, and Member Leaders. The group had a great discussion and exchange of information about issues affecting our professions and industries, at the State level and also Nationwide.

One key need identified by the Licensure Board is the need for Expert Witnesses. The Board maintains an active list of Expert Witnesses and their qualifications, and enters into issue-specific contracts with Expert Witnesses as the need arises. If you are interested in entering your qualifications to serve on the Board's roster of Expert Witnesses, please get in touch with MSPE's Executive Director, Mr. Travis Lowe (tlowe@mspe.org) for additional information.

Did you read this? Let me know. MSPE's Leadership and Management have been having strategic discussions about how MSPE communicates with our membership. Where are we putting our efforts and what are the best ways to communicate with ALL of our members?

One "truth" that we've uncovered is that LinkedIn is a platform that seems to work across generations; among the most common social media platforms, we seem to reach the largest cross section of our members on LinkedIn. (HINT: Check out MSPE's LinkedIn Page for some exciting updates and Profiles of our Chapter Presidents.) Our data mining also indicates that *emails are easy to ignore*, and that MSPE may need to ramp up our use of texting for event announcements and reminders.

Another question we are trying to answer is, "How many people actually read the Missouri Engineer?" If you read this, can you send me an email (rachelgoeke@ppimo.com)? If you didn't read this.... MSPE will keep searching for the best way to get information to you.

59TH ANNUAL NSPE PRESIDENT VISIT TO KANSAS CITY

The tradition continues after another successful visit from the National Society of Professional Engineers president. Every year, the MSPE Western Chapter and Kansas SPE Eastern Chapter host the annual visit that encompasses two days of an action filled schedule.

This year's visit was extra special as it featured NSPE President Britt Smith, P.E., F.NSPE, a resident of Jefferson City, a past president of the Missouri Society. The visit kicked off with a dinner featuring Britt Smith, MSPE President Rachel Goeke, P.E., MSPE Western Chapter President Tim Scott, P.E., KSPE President Kiel Johnson, P.E., F.NSPE, KSPE Eastern Chapter President Chad Hall, P.E., Executive Director Travis Lowe and several officers of the two local chapters. Dinner saw robust discussion on the value the society provides members and building the professional engineer community. The following day saw Smith visit with

local engineering firm leaders as well as meeting with leaders of Kansas City Global Design and aSTEAM, which is a high school based program introducing technical professions to underserved areas of Kansas City.

The final evening ended with a joint dinner with members of the Western Chapter and KSPE Western Chapter and remarks from Smith, Goeke, Johnson and Lowe.

MSPE thanks all the sponsors that helped make the event a success.

Please plan to attend the 60th meeting on September 28, 2023. Kansas City is the only metroplex to receive this honor that dates back 59 years. The streak is unbroken, including in 2020 when the chapter hosted then-NSPE president Tricia Hatley, P.E., F.NSPE at a social distanced picnic outside at a park.



IN MEMORIAM

It is with great regret that the Missouri Society of Professional Engineers shares the news of the passing of Paul Jobe.

Paul Jobe served as MSPE's Executive Director from 1976-1997 and was installed in the MSPE Hall of Fame in 2000. Our office has been flooded with notes and phone calls recalling Mr. Jobe's legacy that remains with MSPE today.

[Learn more about Paul on his obituary.](#) Please keep Mr. Jobe's family in your thoughts.



MSPE CELEBRATES BRITT SMITH AS NSPE PRESIDENT

In September MSPE members converged in Jefferson City to celebrate Britt Smith's ascension as president of the National Society of Professional Engineers. Smith is the third Missourian to serve as the national president.

Hosted by the Jefferson City Chapter and GREDELL Engineering Resources, members were able to congratulate Smith while he shared his vision for the society during his term. Attendees traveled from Kansas City, St. Louis and Springfield and everywhere in between.

Smith is the operations division director for the City of Jefferson and a graduate of bachelor's degree in engineering from the Missouri University of Science and Technology (formally University of Missouri, Rolla) in 1991.

His involvement with MSPE includes numerous roles, including a past president of MSPE and the Jefferson City Chapter. Smith was named an NSPE Fellow in 2016. Tom Gredell, P.E., who helped organize the celebration, noted "Britt is one of a very small group of Missouri members who has held the position of President of NSPE. We are very proud of him."

[Read more at NSPE Today](#)
[NSPE Installs Missouri PE as President](#)



Photos: MSPE Staff and Steve Liescheidt, P.E.

MSPE Office Now Located on High Street

The Missouri Society of Professional Engineers has a new base of operations in downtown Jefferson City. MSPE and the Educational Foundation office is now located at 308 E. High Street, Suite 100 in Jefferson City. High Street is the main street through downtown Jefferson City leading to the state capitol building.

For purposes of mail, the mailing address for the office is as follows:

Missouri Society of Professional Engineers
308 E. High Street
Suite 100
Jefferson City, MO 65101

The MSPE phone number remains the same at 573-636-4861.

In May, the MSPE Educational Foundation announced the sale of the building located on McCarty Street, which has served as the association headquarters since 1996. The new owners have plans for the building, leading MSPE and ACEC Missouri to seek new accommodations. ACEC Missouri left the building in June.

After the association settles in the new space, the office will be open for members to visit and available as a gathering place for local MSPE activities.



WELCOME NEW MEMBERS

CENTRAL CHAPTER

Thomas Masterson
University of Missouri

Qingzhong Zeng
The University of Missouri, Columbia

JEFFERSON CITY CHAPTER

Tyler Bradley, EI/EIT
MECO Engineering

NORTHWEST CHAPTER

Dallas McNeal

OZARK CHAPTER

Cory Major
Otc

Brad Palmer, PE
Interpres

Jack Stone
City Utility

ROLLA CHAPTER

Stephen Keeling, PE
Black & Veatch

ST. LOUIS CHAPTER

Jim Rosick, PE
Burns & McDonnell

SOUTHEAST CHAPTER

Lynaya Downen

SOUTHWEST CHAPTER

Justin Williams
ZOUPEAC

Kevin Marti, PE
Anderson Engineering, Inc

Nathan Miller
Missouri S&T

WESTERN CHAPTER

Karl Beckemeier, PE
Anderson Engineering, Inc

MSPE PAST PRESIDENTS ON APPOINTMENTS

MISSOURI PE'S NEEDED TO SERVE ON STATE ADVISORY BOARDS

The MSPE Past Presidents Committee on Appointments is continually seeking MSPE members to serve on statewide committees. The committee is active and is currently reviewing applicants for multiple boards but we find there is a need for more involvement from our membership. The committee makes recommendations to the MSPE Executive Committee and MSPE Board of Directors who in turn guide the state president to make formal recommendations to the Governor's office.

MSPE needs your help now, more than before as we have just been requested to seek out five candidates to fill slots in [the Board For Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects](#). This could be you or someone you know. Send us your name or the name of a colleague you support, and the committee will take action. The request is for any discipline, but they are

looking for MEP's (ME's, EE's and Plumbers) to help diversify the team and improve their knowledge base.

In addition, the following boards are in need of members:

- [Elevator Safety Board](#) – ME to fill a vacancy
- [Air Conservation Commission](#) – Any discipline that qualifies

We can never have too many, as we strive to be in a position to quickly make recommendations when a membership comes open. Always good to have a strong bench.

The committee is researching our membership for ME's and EE's so do not be surprised if a committee member reaches out to you to discuss opportunities.

Please send your interests or inquiries to the MSPE staff at info@mspe.org at your earliest convenience.

Interested in Becoming a MSPE Leader?

Mitch Krysa, P.E., 2022-2023 Nominating and Tellers Committee Chair

The MSPE Nominating and Tellers Committee exists to submit recommendations to the MSPE BOD for the positions of President Elect, Vice President and Treasurer. The President Elect automatically becomes the President. Our charge is to present the slate of officers to the Executive Director at least 60 days before the election at the State Convention. This translates to an April 8, 2023 deadline for the June 7-9 State Convention. This year the MSPE Bylaws were changed so that the Treasurer position is now a one year term just like the other offices, where before the Treasurer served for two years.

The members of the Committee are Kurt Higgins, P.E. (SW Chapter), Bob Becnel, P.E., F.NSPE (St. Louis Chapter), Neil Brady, P.E. (Ozark Chapter), Josh Hartsock, P.E. (NE

Chapter) with Mitch Krysa, P.E. (Western Chapter) as the committee chairman.

Your committee has been hard at work identifying future possible leaders for MSPE. Our plan is to develop the list and make contact with the individual to determine level of interest as well as when they might be available. The next step is to assign these future leaders to the Nominating and Tellers committee members so mentoring can begin. This process is intended to be refreshed each year to ensure we always have a strong bench and are grooming the future leaders appropriately. Sounds interesting, and a solid plan for future success.

So, how do you get involved with the process? Please submit your name and the offices you are interested to

info@mspe.com. Your request will be forwarded to the committee to place in the process, simple as that.

What are the roles, responsibilities and time commitments of these offices? MSPE has prepared a document that describes such and you can access them [here](#). If you have any questions or comments regarding future leadership opportunities, please feel free to contact the Nominating and Tellers Committee Chairman, Mitch Krysa, P.E. at mstkrysa@gmail.com or call at 816-896 8896. You can also submit questions to info@mspe.com and they will provide assistance and references for you. You can also contact your Chapter Officers to glean their insights and experiences.

[VIEW THE LEADERSHIP OPPORTUNITIES](#)

2022-2023 BOARD OF DIRECTORS

OFFICERS



President
Rachel Goeke, P.E.



President-Elect
Kelsie Clark, P.E.



Vice President
Anika Careaga, P.E.



Treasurer
Michael Buechter, P.E.



Secretary/ED
Travis Lowe, CAE



YE Rep.
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.

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.

CHAPTER DIRECTORS



Central
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.

2022-2023 CHAPTER PRESIDENTS

Central Chapter
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.
[email](#)

Southeast Chapter
Benji Philpot, P.E.
[email](#)

Southwest Chapter
Nic Jessip, P.E.
[email](#)

Western Chapter
Tim Scott, P.E.
[email](#)

2022-2023 PRACTICE DIVISION CHAIRS



P.E.s-Construction
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. Bechnel, P.E.,
F.NSPE



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

MSPE EDUCATIONAL FOUNDATION UPDATE

2022-2023 MSPE-EF GRANTS PROGRAM

Kevin C. Skibiski, PE, F.NSPE, SE, PLS – Chair of Grants Committee

In 1994, Jerome Cohen and his wife, Jeannette, donated a building and property at 200 East McCarty Street in Jefferson City, Missouri to the Missouri Society of Professional Engineers Educational Foundation (MSPE-EF). This building served as the engineering headquarters for the Missouri Society of Professional Engineers and the American Council of Engineering Companies of Missouri from 1996 to 2022.

In 2022, after considering the long-term financial implications of building ownership, MSPE-EF made the difficult decision to sell the building. The proceeds from the sale remained as assets of the MSPE-EF, to be used to further the Foundation's mission.

Part of the MSPE-EF mission is to provide financial support to MSPE Chapters and Student Chapters through its Chapter Grants Program. The second year of the updated MSPE-EF Grants Program took a big jump in interest from the chapters and in the amount of funds available for this year's grants. At the MSPE Annual Meeting in June, the MSPE-EF Board approved increasing the Grant awards for the 2022-2023 fiscal year from \$15,000 to \$19,500.

Interested Chapters submitted a written plan, schedule, and budget for those Chapter activities they wished to be considered for grant funding. If a Chapter submitted more than one proposed activity, the Chapter prioritized the activities in case full funding of all activities was not possible.

The EF Grants Committee reviewed each application to verify that the proposed activities fell within the mission of the MSPE-EF and met the 501(c)(3) criteria.

MSPE-EF awarded a total of \$18,936 for 2022-2023 activities, which as in the past identified local support of MATHCOUNTS, Model Bridge Contests, FE Exam preparation and other eligible programs. New this year was the inclusion of several STEM related projects.

Science, Technology, Engineering and Math (STEM) are the roots of our industry. The MSPE-EF supports and encourages STEM activities through the Chapter Grant Program. Some of the goals for STEM projects include:

- Ways to study for and improve the practice of professional engineering and to promote the elevation of engineering standards.
- Ways to promote the study of engineering and the continuing education of engineers.
- Ways to support the publishing and distribution of reports and other works of engineering subjects.
- Ways to improve the relations between engineers and the public.
- Ways to foster suitable standards of engineering education and the moral fitness of the licensing of Professional Engineers.
- Ways to provide scholarships and financial assistance to students, faculty and administration of engineering schools approved by the Engineering Accreditation Commission of the Accreditation

Board for Engineering and Technology STEM related activities funded this year include FE Exam preparation courses for the College of the Ozarks Student Chapter, St. Louis Chapter, and the Western Chapter. MSPE-EF funded the Jefferson City Chapter for the cost of background checks for Partners in Education tutors helping middle school students interested in STEM related careers, initial scholarship seed money for a graduating high school senior pursuing a degree in a STEM field, small local grants awarded to local schools for their STEM programs, and financial support for a new Student Chapter at Lincoln University. Southwest Chapter received funds to help offset costs for their Youth Scholarship Benefit dinner. Western Chapter received funding for ten area high schools to help offset the cost of capstone engineering projects, so that they may participate in the "Project Lead the Way" contest.

We are pleased to support a wide variety of activities and programs through the MSPE-EF Grants Program, and we encourage Chapters to continue to innovate and "think outside the box". Moving forward, consistent with NSPE initiatives to address diversity, equity, and inclusion (DEI) in engineering, we encourage exploration and submission of proposals that will expand opportunities for those who have been traditionally underrepresented in our field. If you have questions about potential grant proposals, please feel free to reach out to a member of the MSPE-EF Grants Committee.

2022–2023 EDUCATIONAL FOUNDATION BOARD OF DIRECTORS



President
Marie A. Collins, P.E.
(2024)



Vice President
Stephen Hutti, P.E.,
F.NSPE (2025)



Treasurer
Michael Buechter, P.E.
(2023)



Secretary/ED
Travis Lowe, CAE



Director
Amy Strauss, P.E.
(2024)



Director
Charles D. Morris, P.E.,
PhD (2023)



Director
Ron Zitterkopf, P.E., JD
(2025)



Director
Josh Lehmen, P.E.
(2023)



Director
David Heise, P.E., PhD
(2024)



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!

Professional Engineers in Government

KSPE-MSPE JOINT SESSION #3

**Wednesday
February 8th**

Burns & McDonnell
9450 Ward Parkway
Kansas City, MO



NSPE-KS™ KANSAS SOCIETY OF
PROFESSIONAL ENGINEERS

NSPE-MO® MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS

STATE & CHAPTER EVENTS

**OZARK CHAPTER
MONTHLY MEMBERSHIP LUNCH**
NOV 3 | 12 P.M.
425 W. WALNUT ST. SPRINGFIELD, MO

**ASCE NOVEMBER 2022 JOINT LUNCHEON
WITH MSPE & EWRI**
NOV 8 | 11:30 A.M.-1 P.M.
ENGINEERS' CLUB OF ST. LOUIS
4359 LINDELL BLVD. ST. LOUIS, MO 63108

**SOUTHEAST CHAPTER
MEETING DINNER & PRESENTATION**
NOV 10 | 7 P.M.
CAPE GIRARDEAU, MO

**SOUTHWEST CHAPTER
NOVEMBER MEMBERSHIP LUNCH**
NOV 17 | 12-1 P.M.
LOCATION TBD

Annual
CONVENTION

**JUNE 7-9,
2023**

Old Kinderhook Resort
Lake of the Ozarks

NSPE-MO MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS

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

★ **DISCOVER** 
ENGINEERS WEEK[®]
FEBRUARY 19–25, 2023

CREATING THE FUTURE



DiscoverE is the backbone organization behind Engineers Week™ (established 1951), Introduce a Girl to Engineering Day™ (2001), World Engineering Day (2016, formerly known as Global Day of the Engineer), the Persist Series (2005), and the Future City Competition™ (1993). Our programs and resources have been adopted by individuals and organizations around the globe.

Our programs cover pre-k to work force and intersect at the points of corporate social responsibility, public affairs, and talent acquisition. They are highly collaborative, represent the breadth of engineering, and are compelling yet simple to execute. This strategy enables organizational partners, volunteers, and educators to effectively reach millions of students, parents, and young adults with the message that engineers work with smart, inspiring people to invent, design, and create things that matter.

MSPE Protects Your Professional License in Jefferson City

"Who's watching out for your license while you're at work?"



THANK YOU TO OUR 2022-2023 ANNUAL PARTNER SPONSORS!

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BRONZE SPONSORS



FRIENDS



MSPE Professional
Engineers in
Government (PEG)



FIRST ENERGIZESM

PRESENTED BY Qualcomm

From the machines that move us to the food that sustains us to the wireless technologies that connect us, energy plays an essential role in keeping our world running. During our 2022-2023 robotics season, [FIRST ENERGIZESM presented by Qualcomm](#), FIRST teams across our programs will reimagine the future of sustainable energy and power their ideas forward. To empower young people to be leaders and innovators, this year's energy theme addresses global challenges related to [United Nations Sustainable Development Goal #7](#) -- focused on ensuring access to affordable, reliable, sustainable, and modern energy for all. **This is the moment to get energized to innovate.**

The FIRST Family of Programs



FIRST LEGO League -Pre-K to Grade 8

In the **SUPERPOWEREDSM** challenge, FIRST LEGO League teams will explore where energy comes from and how it is distributed, stored, and used – and then put their superpowered creativity to work to innovate for a better energy future.



- **FIRST LEGO League Discover - PreK- Grade 1**

For children ages 4-6, this playful introductory STEM program ignites their natural curiosity using LEGO® Duplo bricks. FIRST LEGO League Discover is a self-contained classroom program. No volunteer opportunities.



- **FIRST LEGO League Explore - Grades 2-4**

In Explore, teams of students ages 6-10 focus on the fundamentals of engineering as they explore real-world problems, learn to design and code and create unique solutions made with LEGO bricks. FIRST LEGO League Explore events are in the spring – usually February and March.



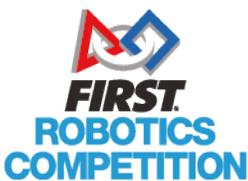
- **FIRST LEGO League Challenge - Grades 4-8**

Friendly competition is at the heart of Challenge, as teams of students ages 9-14 engage in research, problem-solving, coding and engineering – building and programming a LEGO robot that navigates the missions of a robot game. Teams also participate in a research project to identify and solve a relevant real-world problem. FIRST LEGO League Challenge Qualifiers are held November through December with the Championship in January.



FIRST Tech Challenge - Grades 7-12

In the **POWERPLAYSM** presented by Raytheon Technologies challenge, FIRST Tech Challenge teams will compete in an energy-driven game and test the limits of performance, efficiency, and endurance as they power their innovations forward. FIRST Tech Challenge has a multi-tiered competition structure that runs through the months of November and February with the Championship in March.



FIRST Robotics Competition - Grades 9-12

In the **CHARGED UPSM** presented by Haas challenge, FIRST Robotics Competition teams will unlock the power of engineering to transform renewable energy and power a better future. FIRST Robotics Competition are usually in March.



FIRST LEGO League Challenge Grades 4 - 8

In the **SUPERPOWEREDSM** challenge, **FIRST** LEGO League teams will explore where energy comes from and how it is distributed, stored, and used – and then put their superpowered creativity to work to innovate for a better energy future.

Event Locations – Missouri Excluding KC Area	Event Dates
Strafford High School, Strafford	Saturday, November 12, 2022
MICDS, Ladue	Saturday, November 12, 2022
MICDS, Ladue	Sunday, November 13, 2022
SEMO, Cape Girardeau	Saturday, November 19, 2022
Jefferson Middle School, Columbia	Saturday, November 19, 2022
Brittany Woods, University City	Saturday, November 19, 2022
Brittany Woods, University City	Sunday, November 20, 2022
Camdenton High School, Camdenton	Saturday December 03, 2022
St. Rose Philippine Duchesne School, Florissant	Saturday, December 03, 2022
St. Rose Philippine Duchesne School, Florissant	Sunday, December 04, 2022
Gateway STEM HS, St. Louis Public Schools	Saturday, December 10, 2022
Lutheran High School, St. Charles	Saturday, December 10, 2022
Lutheran High School, St. Charles	Sunday, December 11, 2022
Championship - Liberty High School, Lake St. Louis	Saturday, January 21, 2023
Event Locations – Kansas City Area	
Troost Elementary (Hosted by Honeywell)	Saturday, November 12, 2022
Olathe Northwest High School	Saturday, November 19, 2022
Penn Valley Community College	Saturday, December 3, 2022
Lawrence High School	Saturday, December 10, 2022
Championship – Crown Center	Saturday, January 28, 2023

VOLUNTEER OPPORTUNITIES

Subject Matter Experts – Contact information and area of expertise will be noted on the **FIRST in Missouri** website and Facebook page. Teams may contact you to gain better knowledge and understanding about the ENERGY problem they are researching and the innovative solution they are developing.

Event Judge or Referee – Judges serve on a three-person panel evaluating the Team’s Innovative Solution and Robot Design Process. Referees serve on two person teams, scoring team performance on the competition field. Training for each role via ZOOM will be provided prior to the events. Volunteers needed for any and all events.

TO VOLUNTEER - TAKE THE NEXT STEP!

1. Create an account at <https://my.firstinspires.org>
2. Click the Volunteer Registration tab & follow the prompts

QUESTIONS?

In Missouri, outside the KC Area: Contact volunteer@firstinmissouri.org
 In the KC Area: Contact <https://www.kcfirst.org/volunteer/>