

Engineers Week is February 18 – 24, 2024

<https://discovere.org/programs/engineers-week>

DiscoverE - Discover Engineering

2024 Theme: Welcome to the Future

This year's theme is about celebrating today's achievements and paving the way for a brighter and more diverse future in engineering. Engineering is at the forefront of innovation and is instrumental in designing and creating the solutions that are shaping the world of tomorrow. From the development of the internet and smartphones to space exploration and renewable energy solutions, engineers have been at the forefront of progress, making our lives more efficient, comfortable, and connected. Through their creativity, expertise, and dedication, engineering teams are addressing global challenges, driving technological advancements, and making a positive impact on society's 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). DiscoverE programs and resources have been adopted by individuals and organizations around the globe.

DiscoverE 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.

2024 MEMPHIS-AREA ACTIVITIES

Visit the Memphis-Area Joint Engineers Council website <https://mjecm.org>

Saturday, January 27, 2024 – FIRST® LEGO® League West TN FLL Challenge Championship

Location: Collierville High School

Contact: Patrick McGinnis, email patrick@nobox.org

Website: <https://fll.nobox.org/challenge/volunteers/>

FIRST® LEGO® League introduces science, technology, engineering, and math (STEM) to children ages 4-16 through fun, exciting hands-on learning. Participants gain real-world problem-solving experience through a guided, global robotics program, helping today's students and teachers build a better future together. Students apply their skills in an exciting competition while building habits of learning, confidence, and teamwork along the way.

Volunteers are needed to help with FLL. To register as a volunteer:

<https://fll.nobox.org/challenge/volunteers/>

Saturday, January 27, 2024 – VEX at the Nest (MS/HS) Robotics Competition

Location: St. Benedict at Auburndale High School

Contact: Dr. Eric Welch, email Eric.Welch@cbu.edu, or Dr. Andrew Assadollahi, email aassadol@cbu.edu

Website: <https://www.robotevents.com/robot-competitions/vex-robotics-competition/RE-VRC-23-3896.html#general-info>

Volunteers are needed. Contact Dr. Welch or Dr. Assadollahi if interested.

2024 MEMPHIS-AREA ACTIVITIES (Continued)

Visit the Memphis-Area Joint Engineers Council website <https://mjecm.org>

Saturday, February 3, 2024 – MATHCOUNTS

Time: 8:00 AM – 2:00 PM

Location: Southwest Tennessee Community College (Macon Cove Campus)

Sponsoring Organization: Tennessee Society of Professional Engineers Memphis Chapter

Contact: Brian King 901-748-1811, email bking@fisherarnold.com

The Tennessee Society of Professional Engineers (TSPE) sponsors both regional and state competitions every year for the nationwide MATHCOUNTS program (www.mathcounts.org). MATHCOUNTS is a national competition for students in 6th through 8th grade. Regional and state competitions are held in February and March, along with a final national competition in May. MATHCOUNTS offers exciting programs for students who not only love math, but fear math as well. The programs are designed to engage students of all ability levels in fun and challenging ways that are sometimes not possible within the structure of a math classroom.

Volunteers are needed to help with MATHCOUNTS. Contact Brian if interested.

Monday - Saturday, February 5 - 10, 2024 – MJEC Engineers Week Student Contest

First Round Judging - to be done as your schedule permits

There will be two rounds of judging. The deadline for schools to participate is Friday, February 2, 2024. Teams will submit their projects in pdf format, preferably with pictures. The Contest Chairman will organize the entries and send them via email to the judges, who will review and score the projects as their schedules permit. These scores determine which projects will advance to the Championship Round.

The Championship Round will be held in person on Saturday, February 24, 2024. See this date for additional information.

Sponsoring Organization: Memphis-Area Joint Engineers Council

Contact: Tom Stoll 901-606-6794, email tom.stoll@signify.com

The Engineers Week Student Contest is an opportunity for middle and high school students to express their creativity and demonstrate their ingenuity by working on concept projects designed to improve our quality of life. Judging criteria include benefit to society, creativity, feasibility, and presentation. Monetary awards are given to the winning students and schools.

Volunteers are needed to judge the Student Contest, both the First Round, February 5 - February 10, and the in-person Championship Round on Saturday, February 24. You can do either or both events. Contact Tom if interested.

2024 MEMPHIS-AREA ACTIVITIES (Continued)

Visit the Memphis-Area Joint Engineers Council website <https://mjecm.org>

Wednesday, February 14, 2024 – Engineers Week Kickoff Luncheon

This year's event will be in-person only (limited to 60 attendees).

Time: Luncheon at 11:30 AM, Program at 12:00 PM

Location: Memphis Light, Gas and Water Training Center, 4949 Raleigh-LaGrange near Covington Pike

Keynote Speaker: Dr. Siripong Malasri, Director of the CBU St. Benilde Packaging Laboratory

Luncheon Cost: \$15 via PayPal

Reservations: Email ECM Secretary Pam Thayer pam@srce-memphis.com with name(s) of attendee(s).

In reply to your reservation, you will receive an email with payment link and box lunch menu from One & Only Barbecue. Vegetarian options will be available. Menu selections are needed by Friday, February 9.

Sponsoring Organization: Engineers' Club of Memphis

Website: <https://www.engineersclubofmemphis.com/>

In addition to the presentation, proclamations from the City and County Mayors will be read; Featured Engineering and Engineering Technology Students from Christian Brothers University, Southwest Tennessee Community College, and The University of Memphis will be recognized; Featured Engineers and Professionals from local engineering organizations will be recognized; and the Memphis-Area Joint Engineers Council Award of Excellence will be presented.

Saturday, February 17, 2024 – STEMOLOGY (for 3rd-12th grade students)

A conference to spark interest in STEM (Science, Technology, Engineering, & Math)

Time: 8:00 AM – 3:00 PM

Location: Southwest Tennessee Community College (Macon Cove Campus)

Sponsoring Organization: National Society of Black Engineers Memphis Professionals

Student Sign-up: <https://StemologyStudent901.eventbrite.com>

Student Cost: \$33.85

Volunteer Sign-up: <https://StemologyVolunteer901.eventbrite.com>

STEMology is a gender and minority empowerment conference for 3rd-12th grade students which uses science, technology, engineering, and math (STEM) concepts to inspire the next generation of young leaders. With guidance from local technical professionals, students will engage in interactive workshops to allow hands-on STEM learning, team activities, discussions surrounding myths and truths of minorities & genders in STEM, and STEM career opportunities. Lunch and snacks will be provided. Students will also get T-shirts.

2024 MEMPHIS-AREA ACTIVITIES (Continued)

Visit the Memphis-Area Joint Engineers Council website <https://mjecm.org>

Tuesday, February 20, 2024 – Order of the Engineer Luncheon and Ring Ceremony

Time: Check-in and ring selection for ceremony participants 11:00 AM, Luncheon at 11:30 AM, Program at 12:00 PM

Location: EnSafe, 5724 Summer Trees Drive, Memphis, TN 38134

Cost: \$15 for lunch (ASCE Student Chapter Members eat for free) plus \$25 for those going through the induction ceremony.

Sponsoring Organizations: American Society of Civil Engineers West TN Branch
Society of Military Engineers Memphis Post

Event details: <https://branches.asce.org/west-tennessee/events>

Ring Ceremony Registration/Eligibility Form: www.ce.memphis.edu/meier/ote.pdf

The Order of the Engineer (<https://order-of-the-engineer.org>) was initiated in the United States in 1970 to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the Engineer. Participants in the Order of the Engineer Ceremony take the “Obligation of the Engineer” oath, which states an Engineer's responsibilities to the public and to the profession. Participants receive an Obligation Certificate and a stainless-steel ring that is worn as a reminder of an Engineer's commitment to high ethics and professionalism. Any Engineer is eligible for induction if he or she has graduated from an ABET-accredited engineering program or holds a license as a P. E. Students enrolled in ABET-accredited engineering degree programs are eligible to participate if they are within two academic terms of graduation. There are no membership dues.

Thursday, February 22, 2024 – Engineers Week Banquet

Time: 6:30 PM Reception in Sabbatini Lounge, 7:30 PM Dinner and Program in Alfonso Cafeteria
5:30 PM Tour of the CBU St. Benilde Packaging Laboratory; Information on the new Packaging Lab can be found at https://www.youtube.com/watch?v=Khm_EKWaqfw

Location: Christian Brothers University Thomas Center

Keynote Speaker: Doug McGowen, MLGW President and CEO

Tickets & Registration: <https://tspe2024.eventbrite.com>

Sponsoring Organization: Tennessee Society of Professional Engineers Memphis Chapter

For more information: Allan Long, email allanlong2009@gmail.com

In addition to the presentation, the TSPE Memphis Chapter will announce its Young Engineer, Distinguished Service, Outstanding Engineer, Government Engineer, and Outstanding Employer award recipients.

2024 MEMPHIS-AREA ACTIVITIES (Continued)

Visit the Memphis-Area Joint Engineers Council website <https://mjecm.org>

Saturday, February 24, 2024 – MJEC Engineers Week Student Contest

Time: 9:00 AM – Noon (9:00 student set-up begins, 9:30 judges assemble for instructions, 10:00 judging begins)

Location: Southwest Tennessee Community College, Macon Cove Campus, Nabors Auditorium

Sponsoring Organization: Memphis-Area Joint Engineers Council

Contact: Tom Stoll 901-606-6794, email tom.stoll@signify.com

For more information: <https://mjecm.org/student-contest-1/>

Teams selected from the first round of judging will present their projects and answer questions from the judges, local professionals from many different engineering disciplines.

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Volunteers are needed to judge the Student Contest. Contact Tom if interested.

Saturday, February 24, 2024 – eDay (Engineering Day at Herff)

Time: 9:00 AM -1:00 PM

Location: Herff Engineering Complex, The University of Memphis

Website: <https://www.memphis.edu/herff/news-events/eday.php>

The Herff College of Engineering hosts eDay, providing elementary school through high school students from the Mid-South the opportunity to visit the University of Memphis and participate in activities and competitions designed to get them more interested in engineering and STEM-related programs.