

Engineers Week is February 20 – 26, 2022

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

DiscoverE - Discover Engineering

2022 Theme: Reimagining the Possible

DiscoverE is the backbone organization behind National 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.

2022 MEMPHIS-AREA ACTIVITIES

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

Friday, February 11, 2022 – MJEC Engineers Week Student Contest First Round Deadline

Due to the ongoing pandemic, this year's contest will not be held in person. As in past years, there will be two rounds of judging. The deadline to participate is the end of the day Friday, February 11, 2022. The First Round of judging will determine which projects advance to the Championship Round. Schools will be notified no later than Monday, February 21, 2022. The Championship Round will be held live virtually via Zoom or MS Teams at a date and time to be determined.

For the First Round, teams will submit their projects in pdf format, preferably with pictures. Judges will review the projects and determine which will advance to the Championship Round.

The Championship Round will be conducted via on-line Zoom or MS Teams meetings. Teams will be assigned a 10-minute time slot. Students will present their projects in no more than 4 minutes and the remaining time will be used for questions from the judges, local professionals from many different engineering disciplines.

Sponsoring Organization: Memphis-Area Joint Engineers Council

Contact: Ryan Groves 931-206-8868, email rgroves@mlgw.org

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 12 - February 19, and the Championship Round. Contact Ryan if interested.

2022 MEMPHIS-AREA ACTIVITIES (Continued)

Saturday, February 12, 2022 – STEMOLOGY (for Students in Grades 9 – 12)

Time: 9:00 AM – 12:00 PM

Registration: <https://bit.ly/R3PROSTEM>

Sponsoring Organization: National Society of Black Engineers Region 3 Professionals

This year's discipline focus:

Cybersecurity, Aerospace/Materials Engineering, Robotics/Automation, Software Engineering

For more information, contact: R3PEBPROGRAMS@NSBE.org or R3PEBPCI@NSBE.org

STEMOLOGY is a gender empowerment event for students in grades 9 – 12 that uses Science, Technology, Engineering, and Mathematics (STEM) concepts and activities to motivate and inspire culturally responsible young minds of the next generation of leaders.

Wednesday, February 16, 2022 – Online Engineers Week Kickoff and Awards Presentation

Time: 12:00 PM

Title: The Engineer's Role in Infrastructure

Presenter: Jerry R. Collins, Retired President and CEO MLGW

Meeting Link: <https://us02web.zoom.us/j/86968090011>

Meeting ID: 869 6809 0011

One tap mobile: +13126266799,,86968090011#

Audio by phone: 312-626-6799

Sponsoring Organization: The 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.

Thursday, February 17, 2022 – MATHCOUNTS Memphis Chapter Competition

All official 2022 MATHCOUNTS Chapter Competitions will be conducted online through the Art of Problem Solving (AoPS) Contest Platform on February 17, 2022 (12:00pm ET - 8:00pm ET).

Sponsoring Organization: Tennessee Society of Professional Engineers Memphis Chapter

For more information: <https://www.mathcounts.org/programs/mathcounts-competition-series>

The Competition Series has 4 levels of competition—school, chapter, state and national. Each level of competition is comprised of 4 rounds—Sprint, Target, Team and Countdown Round. Altogether the rounds are designed to take about 3 hours to complete.

MATHCOUNTS provides engaging math programs to US middle school students of all ability levels to build confidence and improve attitudes about math and problem solving. For the 2021 – 2022 year, the schedule is as follows: Practices and School Competitions August 2021 through January 2022; Chapter Competitions February 17, 2022; State Competitions March 2022; National Competition May 7 – 10, 2022.

2022 MEMPHIS-AREA ACTIVITIES (Continued)

Tuesday, February 22, 2022 – Order of the Engineer Ceremony and Ethics Presentation (1 PDH)

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

Due to the ongoing pandemic, this year's event will be hybrid. We will offer an in-person luncheon and provide a Zoom link for those not being inducted who wish to attend remotely. In-person attendance is required for Order of the Engineer inductees and all in-person attendees will have to sign a liability waiver in order to attend. Masks are strongly encouraged for in-person attendees.

Topic: Ethics Panel Discussion on "Pay to Play"

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

Participants will be sent a Zoom meeting link after registering.

In-Person Location: Ensafe Training Room, 5724 Summer Trees Dr, Memphis, TN 38134

Cost: \$37 for inductees (includes a \$22 Order of the Engineer induction fee), \$15 for in-person attendees, \$5 for remote attendees. 1 PDH will be awarded to all attendees. Boxed lunches will be provided to in-person attendees.

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

For more information: <https://order-of-the-engineer.org>

The Order of the Engineer 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 24, 2022 – Webinar & Panel Session Presented by SWE Memphis

Time: 12:00 PM – 1:00 PM

Topic: The Value of Diversity and Inclusion in Engineering and Technology

Registration:

<https://www.eventbrite.com/e/the-value-of-diversity-and-inclusion-in-engineering-technology-tickets-258117695977>

Participants will be sent a Zoom meeting link after registering.

Sponsoring Organization: Society of Women Engineers (SWE) Memphis Professional Section

The Mission of SWE Memphis is to empower women in the greater Memphis area to achieve full potential in careers as engineers and leaders, expand the image of the engineering and technology professions as a positive force in improving the quality of life, and demonstrate the value of diversity and inclusion.

Thursday, March 17, 2022 – Annual TSPE Awards and Presentation (1 PDH)

Time: 11:30 AM – 1:00 PM

Topic: Emergency Design Repairs to the I-40 Hernando de Soto Bridge

Presenter: Ted Kniazewycz, Director of the Structures Division at TDOT

Additional information on registration and online access will be available soon.