

National Engineers Week is February 14 – 20, 2010

www.eweek.org

The National Engineers Week Foundation, a formal coalition of more than 75 professional societies, major corporations and government agencies, is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science. Engineers Week also raises public understanding and appreciation of engineers' contributions to society. Founded in 1951 by the National Society of Professional Engineers, it is among the oldest of America's professional outreach efforts.

2010 MEMPHIS-AREA ACTIVITIES IN FEBRUARY

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

Monday-Friday, February 1-5, 2010 – IEEE IAS Electrical Safety Workshop (CEUs/PDHs available)

Time: Varies each day

Location: Memphis Marriott Downtown, 250 North Main Street

Sponsoring Organization: Institute of Electrical and Electronics Engineers, Industry Applications Society

Contact: Renee Stoll 901-528-4360, email rstoll@mlgw.org

More information and to register online: <http://www.ewh.ieee.org/cmte/ias-esw/ESW2010.html>

Sponsored by the Industry Applications Society of the Institute of Electrical and Electronics Engineers, Inc., the IEEE IAS Electrical Safety Workshop is a transnational technical forum organized by the IEEE IAS Petroleum & Chemical Industry Committee. Since its founding in 1991, it has served to accelerate the dispersion of information and knowledge impacting electrical safety. The mission of the ESW is to 1) Accelerate application of breakthrough improvements in human factors, technology, and managing systems that reduce risk of electrical injuries; 2) Stimulate innovation in overcoming barriers; and 3) Change and advance the electrical safety culture to enable sustainable improvements in prevention of electrical accidents and injuries.

Saturday, February 6, 2010 – MATHCOUNTS

Time: 7:00 AM – 1:00 PM

Location: University of Memphis

Sponsoring Organization: Tennessee Society of Professional Engineers Memphis Chapter

Contact: Laura Pearson 901-652-2569, email lfpearson@bellsouth.net

More information: <http://www.cbu.edu/engineering/mspe/> or www.tnspe.org

Volunteers are needed to help with MATHCOUNTS. Assignments are usually complete by 11:15 AM. Contact Laura if interested.

MATHCOUNTS is the nationwide math coaching and competition program for 6th, 7th, and 8th grade students. It promotes student interest in math by making math achievement as challenging, exciting, and prestigious as a school sport. Students compete individually and as teams in written and fast-paced oral competitions.

Friday, February 12, 2010 – S-PAC (Student-Professional Awareness Conference) (1 PDH at 3:30 PM)

Time: 3:30 PM – 9:00 PM; Appetizers, Dinner, and Cash Bar

Location: Memphis Botanic Garden

Sponsoring Organizations: IEEE, ASME, BMES, AIChE, ASCE

Participating Universities: Christian Brothers University, University of Memphis, Arkansas State University, UT Martin, Union University, Ole Miss

Speakers will present Project Management for Engineers, Marketing Yourself in a Down Economy, and a panel discussion on Networking

Cost: Before 2/1/10 Professionals - \$25, Students - \$10; After 2/1/10 Professionals - \$30, Students - \$15

More information and to register online: <http://spac.ieeememphis.org/>

Contact: John Ventura 901-321-3429, email jventura@cbu.edu or Russel Saliendra 901-871-1407, e-mail rsaliend@cbu.edu

This is the third year the Memphis Section of IEEE has organized an engineering dinner conference which brings together professionals, students, and corporate sponsors from all engineering disciplines. Universities attending include: Arkansas State University, Christian Brothers University, The University of Memphis, The University of Tennessee at Martin, The University of Mississippi, and Union University. The goal of the conference is to unite students and professionals to learn, network, and grow by interacting with each other through professional development presentations and informal meet and greet sessions. Additionally, hiring managers and corporate recruiters will have table top displays showcasing their companies and available engineering positions.

Friday, February 12, 2010 – Canstruction® Competition

Time: 9:00 AM – 1:30 PM

Location: University of Memphis

Sponsoring Organization: American Society of Civil Engineers, West Tennessee Branch Younger Member Group

Contact: Heather Kraus 901-683-3900, email hkraus@ssr-inc.com

More information: <http://www.ascewtn.org/Canstruction.html>

The Canstruction® competition is a unique competition that showcases the excitement of the civil engineering field to high school students while helping feed hungry people. The students are responsible for the design and construction of giant sculptures made entirely out of canned foods. Sculptures remain on display until the following Wednesday. At the close of the exhibitions, all of the food used in the structures is donated to the Memphis Food Bank for distribution to pantries, shelters, soup kitchens, elderly and day care centers.

2010 MEMPHIS-AREA ACTIVITIES (Continued)

Saturday, February 13, 2010 – Engineers Week Student Contest

Time: 9:00 AM – Noon

Location: Southwest Tennessee Community College, Macon Cove Campus, Sycamore View & I-40

Sponsoring Organization: Memphis-Area Joint Engineers Council

Contact: Robert Hewitt 901-678-5145, email rhewitt@memphis.edu

More information and for registration form: <http://mjecm.org/>

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

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 schools.

Monday, February 15, 2010 – Order of the Engineer Ceremony and Ethics Lecture (1 PDH)

Time: Check-in and ring selection for ceremony participants 11:00 AM, Lunch and Ceremony 11:30 AM - 1:00 PM

Location: University of Memphis, Fogelman Executive Center, 3rd Floor Dining Room (The FEC is on the corner of Central Ave and Innovation Dr, across the street from the U of M Holiday Inn. Parking is available in the Innovation Drive Parking Garage adjacent to FEC. The cost is included in the luncheon price.)

Sponsoring Organizations: American Society of Civil Engineers, West Tennessee Branch; Society of American Military Engineers, Memphis Post
Speaker: National ASCE President-Elect Kathy Caldwell, PE

Cost: Luncheon \$25 per person (free for ASCE Student Chapter Members with valid Member Number). There is an additional \$15 charge for those going through the Order of the Engineer ceremony to cover the cost of the ring and certificate. Ceremony participants must purchase lunch. Replacement rings can be purchased at the luncheon for \$10 each.

Please submit payment in advance to Dr. Roger W. Meier, 2595 Abercorn Cove, Memphis, TN 38119. Reservation forms for both the luncheon and the ring ceremony can be downloaded at <http://www.ce.memphis.edu/meier/ote.pdf>. All forms received after COB on Wednesday, February 10, 2010 will be returned.

Contact: Dr. Roger Meier, email rwmeier@memphis.edu

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. Additional information may be obtained at the Order of the Engineer website at <http://www.order-of-the-engineer.org/index.html>.

Wednesday, February 17, 2010 – Engineers Week Grand Luncheon

Time: 11:30 AM - 1:30 PM

Location: Holiday Inn, University of Memphis, 3700 Central Avenue, Tennessee Ballroom

Sponsoring Organization: Engineers' Club of Memphis

Speaker: Chad Anderson, Chief Engineer, Canadian Northern Railroad

Cost: \$25 per person, \$250 for a table of 10, Purchase tickets by 2/11/10.

Contact: Gordon McIntyre 901- 331-0660, email gmcintyre@williamsequipment.com

Historically, this luncheon has been held on the Monday of Engineers Week and called the Kickoff Luncheon. This year, we have a slight change in schedule and name of the event. Proclamations from the City and County Mayors will be read, Featured Engineers from local engineering organizations will be recognized, and the Memphis-Area Joint Engineers Council Award of Excellence will be presented.

Thursday, February 18, 2010 – Engineers Week Banquet

Time: 6:30 PM Social, 7:00 PM Dinner and Program

Location: Christian Brothers University Thomas Center

Sponsoring Organization: Tennessee Society of Professional Engineers Memphis Chapter

Speaker: A C Wharton, Mayor of the City of Memphis

Cost: \$30 per person, \$240 for a table of 8; Purchase tickets by 2/15/10

Contact: Patrick Smith 901-683-3900, email PSmith@ssr-inc.com

The Banquet is the closing ceremony for Engineers Week. Winners from MATHCOUNTS and the Student Contest will be recognized, along with Featured Engineering Students from Christian Brothers University, Southwest Tennessee Community College, and The University of Memphis. The Memphis Chapter of the Tennessee Society of Professional Engineers will make its award presentations. Also, the City of Memphis will award its City Engineer's Award for Excellence to a select group of projects that contribute to the City's vision of being recognized as the "City of choice in which to live, learn, work, and play."



Engineering students,

this is your week and your chance to explore the many aspects of engineering!



Celebrate Engineers Week, honor practicing engineers and their incredible contributions to society, and look to your future as an engineer by attending one or more lectures planned for the week of Feb. 15-19. Faculty and staff are also invited.

11 am	MONDAY <i>Reliability, Statistics and Manufacturing</i> Heather Foster, Cargill Corn Sweeteners	ET216
11:30 am	TUESDAY <i>What Does a Geotechnical Engineer Do?</i> Brought to you by ASCE Matt Caskey (MSCE '02), Geopier Foundation Tommy Dunlap, Burns Cooley Dennis Ash Elsayed, Ph.D., Hall, Blake & Associates	ES102A
5:30 pm	<i>Power Engineering for Electric Utility Systems</i> Justin McCann, Mid-South Utility Consultants	ES222
8 am	WEDNESDAY <i>One Project, Multiple Engineering Roles</i> Matt Coulter, James Simpson (BSCE '99) & Josh Holtgrewe, Allen & Hoshall	ES308
10 am	<i>Engineering Challenges at CN Railroad</i> Brought to you by ITE Chad Anderson, CN	EA302
11:30 am	FRIDAY <i>Tips for Landing a Job or Internship in a Biomedical Engineering Company</i> Brought to you by BMES Mary Anthony (BSME '92), Smith & Nephew, Will Armstrong (BSME '02), Medtronic & Ann Burgess, Wright Medical	ET302
12:30 pm	<i>Quantum Dots: Science and Application</i> Farzad Parsapour, Ph.D., Brother International Corp.	EA102

THE UNIVERSITY OF
MEMPHIS
Herff College of Engineering