



Columbus Engineer

Franklin County Chapter

A chapter chartered by the Ohio Society of Professional Engineers.

P.O. Box 69
Reynoldsburg, OH 43068-0069

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President's Message

Dustin Doherty, P.E., CPESC



I hope that you are enjoying your 2020! The past year was a busy one for advocacy at both the state and federal levels. NSPE members didn't disappoint in 2019 when the Society's Government Relations team reached out for support on a variety of issues—licensing exemptions, licensing access, computer tracking software, and even changes to the IRS tax code. Because of this activity, NSPE's profile, issues, and positions were elevated and taken seriously by elected officials. This puts the Society in a much stronger position for 2020. NSPE launched 14 advocacy campaigns in 2019, and 698 members responded—logging a total of 1,529 actions and contacting 317 state and federal lawmakers. That's an increase of more than 500% over 2018 activity! In addition, NSPE kicked off the first-ever PE Day Lobby campaign to encourage members to meet with congressional staffers in district offices during the August recess. Seventy-one members participated in that effort, meeting with staffers from 78 offices in 28 states.

Additionally, for nearly 70 years, Engineers Week has provided an avenue for engineers to educate, celebrate, and spread the word about the profession and its role in society. This year's E-Week celebration, February 16–22, focuses on the theme of engineers as "Pioneers of Progress."

Please take the time to advocate and promote this week in your circles.

Additionally, keep in mind the various conferences coming up in 2020, including the All Ohio Engineering

Thank you, and I hope to see you at an upcoming event.

2020 Engineers Week

Luncheon



Topic: Engineers: Pioneers of Progress



Registration Deadline: February 10, 2020

5:00 PM

Bridgewater Banquet and Conference Center

10561 Sawmill Parkway

Powell, OH 43065

Click here to register now!

<https://centralohioasce.org/meetinginfo.php?id=173>

The Engineer As Leader

Earn **10.5 CPD hours** in a two-day format as engineering leadership expert James G. Dalton uses case studies, as well as his own research on engineering leadership, to teach you a systems approach to leadership. You will learn the traits and behaviors of effective leaders, how to develop leader strategies, and management skills for the engineering leader.

DATE: February 7th & 8th, 2020

TIME: Fri. 9:00-5:00pm, Sat. 8:00-2:30pm

LOCATION: [Columbus Airport Marriott](#),
Columbus, Ohio

MISSION: To invest leadership training in engineers so they may develop a vision that motivates others to move with a passion.

TO REGISTER: Call 1-800-654-9481 (Ohio toll free) or 614-223-1177.



FCC-OSPE AWARD NOMINATIONS BEING ACCEPTED

Do you know a fellow PE colleague that has the characteristics of an “Uncommon Engineer”? Do you know a fellow PE colleague that exhibits exceptional Engineering Management skills?

Do you know a member of either the Ohio House of Representatives or the Senate that supports the engineering profession? Consider making a

nomination for these awards. Please send your nominations to Tina L. Sutermeister, P.E., F.NSPE at tsuterm@embarqmail.com.

Your nomination will be presented to the FCC-OSPE Board for consideration for the Franklin County Chapter award. And all FCC-OSPE Award recipients are then submitted for consideration for the State Level awards. Don't Procrastinate – Make your Nomination Today!

Nominations are being accepted for the following awards:

1.) **OSPE Uncommon Engineer Award** - This award recognizes the long and distinguished service to the engineering profession; devotion and commitment to the state society and the local chapter; high standards of professionalism; and guidance in the role of a team player. The candidate must be a registered PE and must be a member in good standing with OSPE.

2.) **OSPE Legislator of the Year Award** - This award recognizes a state legislator who has given significant support to the engineering profession, allowing the profession to maintain its commitment to the health, safety and welfare of the public. The award candidate must be a member of the Ohio House of Representatives or of the Ohio Senate.

3.) **OSPE Professional Engineering Management Award** -This award recognizes leadership, organizational, and management skills in an engineering environment. This award recipient has years of successful experience in Engineering management at various levels and has been instrumental in introducing a new process; or change to an existing process within the Engineering organization that he/she has successfully managed.





MATHCOUNTS VOLUNTEERS NEEDED!

The Franklin County Chapter Regional MATHCOUNTS competition will be held at Columbus State Community College (CSCC) on Saturday February 8, 2020, and the Ohio State Competition will be conducted on Saturday, March 7 at CSCC, also. We need volunteers for grading tests and proctoring in the rooms with the students. If you have not done it before, you are in for a pleasant experience when you join us to see this exciting competition that has been going on for over 30 years!

To volunteer contact:
joseph.bolzenius@hotmail.com.

After the regional and state competitions, the National Competition will be held on May 9-12 in Orlando, Florida and shown on national television.

What the Program Does
MATHCOUNTS combines the efforts of education, business, government, and the technological community to promote math excellence among junior high school students. MATHCOUNTS was developed as a positive and rewarding way to make parents, educators, and the general public aware of career opportunities in math.



The program builds skills, promotes strategic problem-solving, and provides an opportunity to bring 6th, 7th and 8th graders together to prompt a lively exchange of mathematical ideas through competition. MATHCOUNTS impacts these student “mathletes” at an age when they are formulating attitudes about math and technology.



How the Program Works

The competition phase of MATHCOUNTS begins in the schools in the form of a qualifying test. Students are coached in everything from basic arithmetic skills to math logic, probability and statistics, linear algebra, and polynomials. Between September and the national competition in the Spring, students and teachers work together in quizzes and drills to develop teamwork and skills. They are then ready to advance to local and state competitions, which could lead to the National MATHCOUNTS competition in May.

Each year, more than 250,000 students are exposed to MATHCOUNTS materials and activities in their schools. Approximately 140,000 students from all 50 states, U.S. territories and the State and Defense Department schools worldwide participate annually in the MATHCOUNTS program!



Kentucky Invests in Bridge Safety

Like other types of infrastructure, US bridges are in sore need of investment and repair. A 2019 report by the American Road and Transportation Builders Association found that more than 47,000 of the country's bridges are rated "structurally deficient."

In Kentucky, where 7% of the state's bridges are rated as deficient, a "transformational commitment" is aimed at improving them. The Kentucky Transportation Cabinet plans to rehabilitate, repair, or replace more than 1,000 critical structures over six years, through its Bridging Kentucky initiative. "We will reopen closed bridges; remove weight restrictions that prevent use by school buses, emergency vehicles, and businesses; and improve access and mobility for all Kentuckians," the website notes.

The state put together a professional engineering team to "identify and develop cost-effective, time-saving approaches" to rehabilitate or replace bridges in poor condition, including evaluating and prioritizing the list of those bridges.

As of November 4, the Kentucky Transportation Cabinet has completed its 100th project, with a \$1.1 million bridge replacement in Western Kentucky. All told, about \$700 million will be invested in the Bridging Kentucky program.

(Excerpted from NSPE PE SCOPE December 2019 with hyper-links removed)



The Terracon logo is prominently displayed at the top in a large, bold, red font. Below it, the text "Consulting Engineers and Scientists" and "Offices Nationwide • terracon.com" is written in a smaller, black font. The background of the advertisement features a collage of images: a modern skyscraper, industrial machinery, a construction site with a red crane, and a large, modern building. Contact information for Kevin M. Ernst, P.E., Office Manager, is provided, including his email address (Kevin.Ernst@terracon.com), the company address (800 Morrison Road, Gahanna OH 43230), and a phone number ((614) 328 5168). The website URL terracon.com/Columbus is also listed. At the bottom, a black bar contains four categories: Environmental, Facilities, Geotechnical, and Materials, each with a small orange square icon.

Happy Valentine's Day! 

The top portion of the advertisement shows a tall, dark metal transmission tower with multiple cross-arms and insulators, set against a blue sky with light clouds. In the background, there are trees and a red building. Below the image, the logo for AEP TRANSMISSION is displayed. The logo consists of the letters "AEP" in white on a red square background, followed by the word "TRANSMISSION" in a bold, black, sans-serif font.



2019-2020 CALENDAR

Sept. 24	5:00 p.m.	Deadline for October <i>Columbus Engineer Newsletter</i>
Oct. 8	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Oct. 17	11:30 a.m.	Program: From Soil Profiles to Recommendations: Foundations, Floor Slabs, and Pavements
Oct. 17	5:00 p.m.	Deadline for November <i>Columbus Engineer Newsletter</i>
Nov. 12	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Nov. 21	11:30 a.m.	Program: "OEPA Stormwater Regulations and Their Solution"
Nov. 30	5:00 p.m.	Deadline for December <i>Columbus Engineer Newsletter</i>
Dec. 10	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Dec. 17	5:00 p.m.	Deadline for January <i>Columbus Engineer Newsletter</i>
Jan. 14	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Jan. 16	5:00 p.m.	Deadline for February <i>Columbus Engineer Newsletter</i>
Jan. 23	11:30 a.m.	Program: "Ohio's Approach to Post-Construction Storm Water Quality Management"
Feb. 8	8:00 a.m.	Regional MathCounts Competition (OSPE, see www.ohioengineer.com)
Feb. 11	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Feb. 15	5:00 p.m.	Deadline for March <i>Columbus Engineer Newsletter</i>
Feb. 17-21		National Engineer's Week (see www.eweek.com)
Feb. 18	8:00 a.m. – 3:00 p.m.	Engineer For A Day Program 2020
Feb. 20	11:30 a.m.	Program: E-Week Luncheon – Engineers: Pioneers of Progress
Mar. 7	8:15 a.m. – 4:00 p.m.	Ohio State MathCounts Competition (OSPE, see www.ohioengineer.com)
Mar. 10	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Mar. 19	11:30 a.m.	Program: TBA
Mar. 20	5:00 p.m.	Deadline for April <i>Columbus Engineer Newsletter</i>
Mar. 14	8:00 a.m. ~ 3:30 p.m.	District Science Day @ CSCC
Apr. 14	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus Engineer Newsletter</i>
Apr. 16	11:30 a.m.	Program: TBA
May 12	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
May 20	5:00 p.m.	Deadline for June <i>Columbus Engineer Newsletter</i>
May 21	6:30 p.m.	Chapter Officer Installation / Awards Dinner
June 9	5:30 p.m.	FCC Board Meeting @ Civil & Environmental Consultants, Inc.
July (TBA)		FCC Budget Meeting – Location to be announced

Civil & Environmental Consultants, Inc.

Address: 250 Old Wilson Bridge Rd - Suite 250, Worthington, OH 43085

WHERE DO I GET MORE INFORMATION?

OSPE-FCC President E-mail & Phone:	ddoherty@cecinc.com	(614) 359-6321 c
OSPE-FCC WEBSITE	www.fccospe.org	
OSPE WEBSITE:	www.ohioengineer.com	
NSPE WEBSITE:	www.nspe.org	
To volunteer to help with <i>MATHCOUNTS</i> :	benjamin_brown68@yahoo.com	(614) 519-8978
To volunteer to help with <i>Science Day</i> :	yogesh.rege@terracon.com	(614) 863-3113
To volunteer to help with <i>OSU Student Chapter</i> :	mccarthy.226@osu.edu	(614) 247-1561
To volunteer to help with <i>Imagine Engineering</i> :	devon_seal@gspnet.com	(614) 221-0678
FCC Luncheons / Programs:	ebriedis@cecinc.com	(614) 468-6222
New Members / Membership Application	www.nspe.org or www.ohioengineer.com	(614) 223-1144





Won't you be my Valentine?



FIRST CLASS

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Franklin County Chapter
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Happy Valentine's Day!