



Columbus Engineer

Franklin County Chapter

A chapter chartered by the Ohio Society of Professional Engineers.

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

Jan. 2019
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President's Message

By Benjamin Brown, P.E.
– FCC President



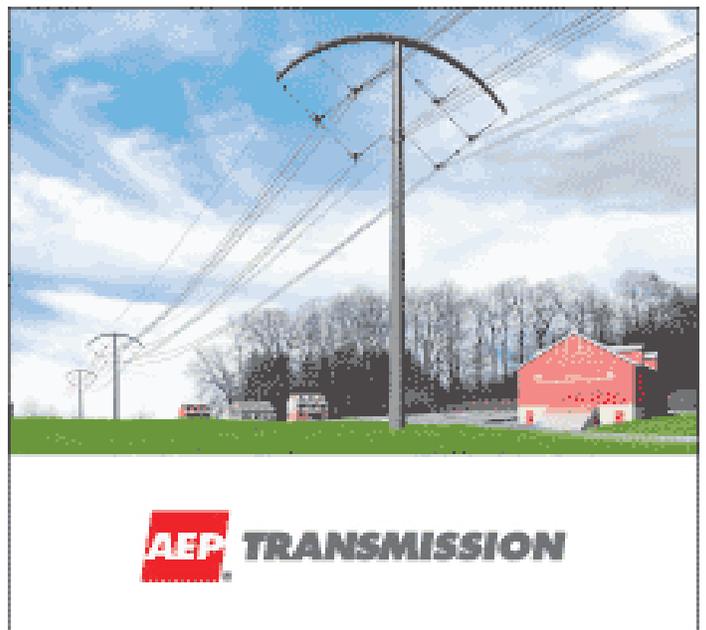
Happy New Year! As I look forward to a great 2019, I'm excited about the upcoming activities the chapter is planning. Our January 17th luncheon will include a presentation about the use of Drones in our industry. The lunch presentation will be given by Michael Kronander, PE, Bridge Inspection Engineer at B&N.

As we continue to focus on membership growth, I believe it is vital we provide training for the leaders of the future. The Engineers Foundation of Ohio (EFO) along with the Engineers Leadership Institute is providing leadership training, **The Engineer As Leader**, on February 1 & 2 at the Columbus Airport Marriott. Registration can be found at <http://ohioengineer.com>.

Every February is active with the Regional MathCounts competition scheduled for February 9th and National Engineer's Week, February 17th through 23th. As part Engineer's Week, the chapter is coordinating an "Engineer of a Day" program on Tuesday, February 19th where local high school students interested in engineering as a potential career, have the opportunity to visit and spend a day with engineering firms/organizations from the central Ohio area. The program is great way to energize students to pursue an engineering career. If your firm or organization is interested in sponsoring a few students for this program, please contact me for more information.

And to wrap up the busy week, February 21st is the annual Central Ohio Engineers Week Luncheon with a presentation on Hyperloop Transportation Technology. This exciting topic will be presented by both Dr. Shaaban Abdallah, from the University of Cincinnati and Thea Walsh, from MORPC; and will be located at the Bridgewater Conference Center. Hope to see you there!

Our Franklin County Chapter is continuing to grow the OSU student chapter and students are welcome to attend our monthly seminars at a discount price of only \$5. OSPE Student membership is free and other membership discounts are available to new college graduates. We are currently planning an event near campus and always looking for input from our members. If you would like to volunteer and get active in our chapter, I can be reached at ben.brown@ibigroup.com.





OSPE-FCC January Luncheon Program

Date: Thursday, January 17, 2019

Place: La Scala Restaurant

4199 W. Dublin Granville Rd., Dublin, OH

Time: Registration: 11:30 am

Lunch: 11:50 am

Speaker: 12:00 pm

Closing Remarks: 1:00 pm

Cost: Members: \$20.00 & Non-Members: \$30.00.

SPE@OSU Students: \$5

Registration: Visit fccospe.org. Pay at door or online at (www.fccospe.org). No access to computer, contact Jim Arnold, 614-299-2133, to help with registration.

Title: “Drones - Industry Usage Presentation”

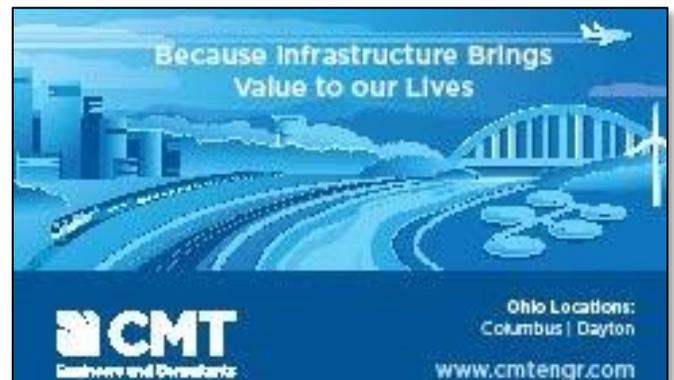
Synopsis: The use of UAVs has skyrocketed within the last 10 years. Here at Burgess and Niple, we have used our drone to aid us in facility inspections of various structures, surveying, and reconnaissance missions while performing wetland delineations. The quality of the drone video/photographs and can take plus all of its autonomous features which can be utilized provide a very useful tool. I have been a licensed pilot since November 2017 and have since then flown many different structures with the drone. The presentation will highlight acquiring the knowledge and skills to fly the drone legally and

commercially, the drone model itself and its capabilities (DJI Mavic Pro), the projects it has been used for along with photos and some video, and what our plans are for future use.

PRESENTER: Michael J Kronander, PE Structural Engineer

BIOGRAPHY: Mr. Kronander joined Burgess & Niple in June 2015 as an engineer in the Facility Inspection Section. He is involved with inspections and evaluations of bridges, dams, river locks, and other structures. He has participated in more than 300 bridge inspections and has climbed on more than 100 bridges in a total of 8 states. Mr. Kronander’s bridge inspection experience includes the use of both destructive and nondestructive testing methods to evaluate structural conditions. He has experience with AASHTO and FHWA inspection manuals, PONTIS, BrM, and a variety of other structural evaluation and inspection software. Mr. Kronander has performed load rating analyses on several bridge types and gusset plates. He holds a Bachelor of Science degree in Civil Engineering from The Ohio State University and is a Professional Engineer in seven states. He is a certified UAV Remote Pilot, ASBI Grouting Technician, Level 1 Bonded Concrete specialist through PTI, and Level 2 SPRAT technician.

A certificate for 1 hour of Professional Development for attending the program will be presented at the luncheon.



FCC Auxiliary

There will be no meeting in January or February.

MATHCOUNTS VOLUNTEERS NEEDED!

The Franklin County Chapter Regional MATHCOUNTS competition will be held at Columbus State Community College (CSCC) on Saturday February 9, 2019, and the Ohio State Competition will be conducted on Saturday, March 9 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 nearly 30 years!

After the regional and state competitions, The National Competition will be held on May 11-14 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!

If you are interested in volunteering please send email to benjamin.brown68@yahoo.com or joseph.bolzenius@hotmail.com

Please see below for the Volunteers Schedule.

- 7:30 am Registration for “mathletes” (Delaware Hall)
- **8:00 am Proctors Training** (Davidson Hall 3rd Floor)
- 8:15 am Student Registration (Delaware Hall)
- **9:15 am Graders Training** (Davidson Hall 3rd Floor)
- 9:00 am Sprint Round (Davidson Hall)
- 10:00 am Target Round (Davidson Hall)
- 10:30 am Team Round (Davidson Hall)
- **11:15 am Break (Students on their own, Proctors may leave)**
- **12:30 pm Grading done (Graders may leave)**
- 1:00 pm Count Down Round (Delaware Hall)
- 1:45 pm Presentations (Delaware Hall)

NSPE NEWS

After Pipeline Explosion, NSPE Wins Case for Ending License Exemption

NSPE's major effort to improve public safety in the aftermath of a deadly pipeline explosion in Massachusetts has resulted in a new state law. On December 31, Governor Charlie Baker signed emergency legislation that requires a licensed professional engineer to approve plans for engineering work associated with natural gas infrastructure in the commonwealth.

Following the Merrimack Valley gas line explosions in September, the National Transportation Safety Board investigated the incident and consulted with NSPE. The Society and NTSB staff spent several weeks discussing the engineering licensing process, its standards, and NSPE's opposition to licensing law exemptions. NSPE shared several documents, including its industrial exemptions position statement and fact sheet, and public testimony from professional engineers.

Among the NTSB's recommendations: Massachusetts should eliminate the professional engineer licensing exemption for public utilities and require a PE to seal public utility engineering drawings. In addition, NTSB made an urgent recommendation that NiSource, the parent company

of Columbia Gas, revise the engineering plan and constructability review process across all of its subsidiaries to ensure that a PE signs and seals all applicable construction documents. NiSource owns and operates the gas distribution system in which the explosions occurred.

NSPE believes that Governor Baker took an important step by heeding the call for professional engineer oversight and signing the legislation, which took effect immediately. The Society encourages more states to follow Massachusetts' lead in ending engineering license exemptions and elevating the PE's role in protecting the public. Currently, 53 states and territories allow licensing exemptions in some form while 16 states allow exemptions for public utilities.



SPE@OSU

by Madison Lubman, President

The student chapter is striving to create new opportunities for students to interact with Professional Engineering as a whole and NSPE. The executive board is working closely with Franklin County Chapter members to recruit new professional engineers for the future. The student organization will be going to the Spring Student Involvement Fair to recruit new members in January.

The chapter is excited for Civil & Environmental Consultants, Inc. to host a student tour in February to show students around and educate them on some of the possible careers within engineering. If you would like to be more involved with the student chapter or have any ideas, please reach out to Madison Lubman at lubman.3@osu.edu.

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**Engineer for a Day
Opportunity for Students,
Employers to Match on Feb. 19
– by Charles Ohrstedt**

The “Engineer for a Day” program is for local area high school students who have a genuine interest in learning about careers in engineering. The program takes place during National Engineers Week in February. The students get to spend a day as a guest of an engineering company to gain first-hand knowledge of the role of an engineer.

This gives the students real world exposure to a possible future career as an engineer. The activities for the day of the program are to help the student learn – what do engineers do, what are the engineering activities of the company (engineering business and products), what field of engineering discipline is involved, and what are the challenges the engineer faces on a day to day basis?

Though these students are first discovered by their high school math and science teachers, a first-hand interaction with an engineer in the field could be the primary factor determining the career path of these kids.

The program has enjoyed tremendous support from many companies and organizations in the past years, but we still need interested companies to participate.

We currently only have 4 companies that are participating with a total of 29 openings. Although we currently have confirmed requests from the schools for under 10 students, we expect many more schools to respond with information concerning their respective interested students within the next few weeks.

If you would be interested in hosting students for the day on Tuesday February 19th,2019 in an effort to provide what may turn out to be a deciding factor on engineering as a potential future career path for these students, please contact Dawn Morrison, FCC-OSE Administrative Assistant at her work phone - 614-328-5148 or by email at dawn.morrison@terracon.com.

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2018-19 CALENDAR

Dec. 11	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Dec. 17	5:00 p.m.	Deadline for January <i>Columbus Engineer</i>
Jan. 8	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Jan. 14	5:00 p.m.	Deadline for February <i>Columbus Engineer</i>
Jan. 17	11:30a.m.	Program: Drones Industry Usage - Mike Kronander
Feb. 9	8:00 a.m.	Regional MathCounts Competition @ CSCC
Feb. 12	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Feb. 15	5:00 p.m.	Deadline for March <i>Columbus Engineer</i>
Feb. 17-23		National Engineers Week (see www.eweek.org)
Feb. 19	8:00 a.m. – 3:00 p.m.	Engineer for a Day Program
Feb. 21	11:30 a.m.	Program: E-Week Luncheon – Bridgewater Conference Center
Mar. 9	8:15 a.m. – 4:00 p.m.	Ohio Mathcounts Competition (OSPE, see www.ohioengineer.com)
Mar. 12	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Mar. 14	11:30 a.m.	Program: TBA
Mar. 15	5:00 p.m.	Deadline for April <i>Columbus Engineer</i>
Mar. 16		District Science Day @ CSCC
Apr. 9	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus Engineer</i>
Apr. 18	11:30a.m.	Program: Board Enforcement – Jason McLean
May 14	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
May 17	5:00 p.m.	Deadline for June <i>Columbus Engineer</i>
May 16	6:30 p.m.	Chapter Officer Installation/ Awards Dinner
June 6-8		All Ohio Engineers Conference @ Hilton Garden Inn, Perrysburg, Oh. (12.5 CPD Hours)
July	(TBA)	FCC Budget Meeting - Location to be announced

Terracon Consultants, Inc. Address: 800, Morrison Road, Gahanna, Ohio 43230

WHERE DO I GET MORE INFORMATION?

OSPE-FCC President E-mail & Phone:	ben.brown@ibigroup.com	(614) 519-8978
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> :	vogesh.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:	lewinget@att.net	(614) 552-1697
New Members / Membership Application	www.nspe.org or www.ohioengineer.com	(614) 223-1144

	Name	Phone # (w) or (h)	Cell Phone #	E-mail Address
President	Ben Brown, PE	614-818-4900x2067 (w)	614-519-8978 (cell)	ben.brown@ibigroup.com
Chapter Secretary	Baba Yahaya, PE	614-863-3113 (w)	614-517-7864 (cell)	Baba.Yahaya2@terracon.com
Treasurer	Steve Day, PE	614-876-7525 (w)	614-531-2858 (cell)	lday1@columbus.rr.com
Past President	Kevin Ernst, PE	614-863-3113 (w)	614-203-1199 (cell)	Kevin.Ernst@terracon.com
Administrative Assistant	Dawn Morrison	614-328-5148 (w)	614-313-3814 (cell)	dawn.morrison@terracon.com
	NEW FCC-OSPE Website			www.fccospe.org
OSPE Executive Director	Tim Schaffer	614-223-1144 (w)		exec@ohioengineer.com
OSPE/EFO Staff	Pam McClure	614-223-1144 (w-OSPE)		admin@ohioengineer.com
	Holly Ross	614-223-1177 (w-EFO)		pr@ohioengineer.com
VICE-PRESIDENT	TRUSTEE/COMMITTEE	CHAIRPERSON	TELEPHONE	E-MAIL
Dustin Doherty, PE	Vice-President	Dustin Doherty, PE	614-466-0257 (w)	ddoherty@cecinc.com
	Programs/CPD/Activity	Leon Winget, PhD, PE	614-395-8249 (cell)	lewinget@att.net
	Membership	Dustin Doherty, PE	614-310-2075 (w) 614-359-6321 (cell)	ddoherty@cecinc.com
	Young Engineer Trustee	Dustin Doherty, PE	614-310-2075 (w) 614-359-6321 (cell)	ddoherty@cecinc.com
	Retired Engineers Trustee	Ron Eifert, PE	614-885-4138 (h) 614-315-9551 (cell)	roneifert@aol.com
	PEHE Trustee	John Schrock, PE	614-404-7723 (cell)	schrock.28@osu.edu
	OSU - Student Chapter Liason	Tim McCarthy, PE	614-247-1561 (w) 614-670-1175 (cell)	mccarthy.226@osu.edu
Yogesh Rege, PE	Vice-President	Yogesh Rege, PE	614-328-5137 (w) 304-951-7874 (cell)	yogesh.rege@terracon.com
	Science Day (District)	Yogesh Rege, PE	614-328-5137 (w) 304-951-7874 (cell)	yogesh.rege@terracon.com
	Scholarship	Joe Sullivan, PE	614-486-4383 (w) 614-561-5447 (cell)	joe.sullivan@stantec.com
	Columbus Engineer Editor	Howard Jones, PE	614-209-3289 (h) 614-209-3289 (cell)	hrjones63@yahoo.com
	Engineers Week Luncheon	CR Weaver, PE	614-645-7100 (w) 614-946-2961 (h)	CRWeaver@columbus.gov
	Engineer For A Day	Charles Ohrstedt, PE	614-937-1512 (cell)	mohrstedt@sbcglobal.net
	PEG Trustee	Ron Trivisonno, PE	614-328-5137 (w) 614-395-7098 (cell)	ronald.trivisonno@terracon.com
Tim McCarthy, PE	Vice-President	Tim McCarthy, PE	614-247-1561 (w) 614-670-1175 (cell)	mccarthy.226@osu.edu
	MATHCOUNTS Chair	Ben Brown, PE	614-818-4900 (w) 614-519-8978 (cell)	ben.brown@ibigroup.com
	Awards/Citations	Tina Sutermeister, PE	740-964-0828 (h) 614-537-7660 (cell)	tsuterm@embarqmail.com
	Legislative	Steve Day, PE	614-876-7525 (w) 614-531-2858 (cell)	lday1@columbus.rr.com
	PEI Trustee	Richard Smelker, PE	614-933-2236 (w)	rdsmelker@aep.com
	EFO Liaison	Steve Day, PE	614-876-7525 (w) 614-531-2858 (cell)	lday1@columbus.rr.com
	Chapter Directory	Vacant		
Mehrdad Rowhanizadeh, PE	Vice-President	Mehrdad Rowhanizadeh, PE	614-328-1197 (w) 773-517-1036 (cell)	Mehrdad.Rowhanizadeh@terracon.com
	Imagine Engineering Contest	Devon Seal, PE	614-221-0678 (b) 614-208-6986 (cell)	devon.seal@greshamsmith.com
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	OSPE Director	Kevin Ernst, PE	(614) 863-3113 (w) (614) 203-1199 (cell)	Kevin.Ernst@terracon.com
	Constitution & By-Laws	Devon Seal, PE	614-221-0678 (b) 614-208-6986 (cell)	devon.seal@greshamsmith.com
	PEPP Trustee	Lizzette Barrow, PE	614-793-7796 (w) 502-417-9756 (cell)	Liz.Barrow@terracon.com
	PEPP Trustee	S. Rao Chitikela, PE		srao.chitikela@gmail.com
	PEC Trustee	Joe Babcanec, PE	419-681-0459 (w)	joe.babcanec@ads-pipe.com



FIRST CLASS

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