



President's Message

by Kevin Ernst, P.E. - FCC President



Happy New Year! As I look forward to a great 2017, I'm excited about the upcoming activities the chapter is planning. Our January 19th luncheon will include a presentation about the structural engineering aspects of The Ohio State University's

North Residential Transformation project by Jon Beier, P.E., Principal of SMBH, Inc. February is lining up to be an active month with the Regional MATHcounts competition scheduled for February 11th and National

Engineer's Week, February 19th through 25th. As part Engineer's Week, the chapter is coordinating an "Engineer of a Day" program on February 22nd where local high school students interested in an engineering 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. All for now ~ Kevin!

OSPE-FCC January Luncheon Program

Date: Thursday, January 19, 2017

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.

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.

Project Description: "The Structural Perspective of the OSU North Residential District Transformation"

The North Residential District Transformation (NRDT) at The Ohio State University added a total of 3,200 new beds along with a new dining facility and an athletic facility. The project included eight new residential buildings, a dining and event building, an athletic building and low rise additions to three existing towers in the district. The project added 1.1 million square feet of space to the district.

The project construction cost was approximately \$305 million. The residence halls are cast-in-place concrete, while the remaining structures are structural steel (recreation, banquet and tower additions). Soil conditions vary across the site with rock elevations ranging from five feet below grade to nearly 100 feet. This resulted in spread footings being supported on rock or on rammed aggregate piers.

The presentation will discuss the various aspects of the project from a structural perspective. Topics will include: working in a studio environment, collaboration with numerous consultants, development of structural systems, the delivery system (Design/Build), and BIM

Presenters: Joe Noser, PE, Director of Structural Engineering Building Division, SMBH, Inc.

Joe has a BSCE from Ohio State University. Joe has been employed with SMBH, Inc. since May of 2007. During this time, he has collaborated on many complex and creative projects to create designs that are not only practical and economical but also dramatic

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(Luncheon Program continued from Page 1.)

and exciting. Mr. Noser has used the latest computer programs and structural modeling techniques along with traditional engineering methods and experience to create these designs in both a timely and a thorough manner.

Jon Beier, PE, LEED AP BD+C, Principal / Vice President SMBH, Inc.

Jon has a BSCE and MSCE from Ohio University. Jon has been employed with SMBH, Inc. since December of 1999. He is registered in 19 states and he has been involved in the design of various building types using a variety of different materials including structural steel, reinforced concrete, reinforced masonry and timber. His experience includes new buildings as well as additions and renovations to existing structures.

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

**No FCC Auxiliary Meetings
In January or February 217**



**Franklin County Chapter
Scholarships**

By Joe Sullivan, P.E.

The Franklin County Chapter will once again this year award a \$1,000 scholarship to a deserving student interested in a career in engineering. The scholarship is open to outstanding high school students who live in the Chapter Area from public, private and parochial high schools who will be attending college next year. Students must also meet all of the following criteria:

- 3.0 minimum grade point average (A=4)
- Minimum SAT (Math=600, Reading or Composition=500) or ACT (Math=29, English=25)
- Citizen of the U.S. & permanent resident of Ohio
- Be a graduating high school senior

Consideration will be given to the prospective recipient's academic achievement, activities, special recognitions and honors, work experience and their interest in a career in engineering. Recipients may be accepted for enrollment at any college or university and they must be entering an ABET accredited engineering program. Recipients must live in one of the following counties: Delaware, Fairfield, Franklin, Hocking, Knox, Licking, Madison, Marion, Morrow, Muskingum, Perry or Union.

The scholarship is administered by the Engineers Foundation of Ohio (EFO). Students must fill out an application which can be downloaded from the following link:

<http://ohioengineer.com/index.php/Students-Educators/Scholarships>

The application must be returned to the EFO/OSPE office by 5 pm on January 15, 2017. The winner will be chosen by members of the Franklin County Chapter Scholarship Committee. If you have any questions or are interested in serving on this committee, please email FCC Scholarship Chairperson Joe Sullivan (joe.sullivan@stantec.com).

NOMINATIONS BEING ACCEPTED FOR FIVE AWARDS

By Tina Sutermeister P.E., F.NSPE

Nominations are being accepted for the following five OSPE awards. To be considered for this year's awards, an application forms must first be completed and the nomination will then be presented and approved by the FCC-OSPE Board during a regular Board meeting.

OSPE Citation – This is the highest honor that OSPE bestows upon an engineer. This award is presented annually to an Ohio Engineer with distinguished leadership in the engineering profession and in appreciation of selfless devotion to the highest ideals of service to society and to fellow man; and for sustained contributions to the technical and professional aspects of the engineering professions.

Meritorious Service Award – This award is presented on the basis of service to OSPE at both, the Chapter and the state levels and for outstanding contributions to the goals and objectives of OSPE. The award recipient shall be an active member in his/her Chapter and the emphasis is placed on continuous meritorious service over a long period of time.

Outstanding Engineering Student Award – This award is presented to an engineering student from an

ABET accredited Ohio engineering school based on scholastic achievement, participation in professional, technical, and other activities.

Outstanding Engineering Educator Award – This award is presented to a member of the engineering faculty of an ABET-accredited engineering program in an Ohio school and the educator shall have at least 5 years of experiences subsequent to graduation from an accredited Engineering school and must be teaching an engineering course during the current term.

Outstanding Engineering Achievement Award – This award is presented in recognition for outstanding engineering accomplishments in manufacturing, construction or design, or combinations thereof. The nominated projects must have been completed during the calendar year preceding the award presentation and the nominated projects may be located outside the chapter geographical area.

Consider nominating your company, a colleague or even yourself for one of these awards. Don't Delay! Contact your local Franklin County Chapter Awards committee, Tina Sutermeister P.E., F.NSPE, tlsuterm@embarqmail.com.

PROUDLY DISPLAY YOU ARE A PROFESSIONAL ENGINEER

Frame your license plate with a black frame and raised white letters. The frames are ideal gift for newly licensed Professional Engineers, or for a spouse, an associate, friend, son or daughter who is a Professional Engineer. This is also a great way to recognize the new Professional Engineer in your organization by presenting them with a Professional Engineer License Plate Frame.



These frames are available through the Franklin County Chapter of the Ohio Society of Professional Engineers, web site: www.fccospe.org/store/. Each frame requires a \$5.00 donation plus Shipping and Handling.

MATHCOUNTS VOLUNTEERS NEEDED

By Joe Bolzenius, P.E.

The Franklin County Chapter Regional MATHCOUNTS competition will be held at Columbus State Community College(CSCC) on Saturday February 11, 2017, and the Ohio State Competition will be conducted on Saturday, March 11 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! Please contact Joe Bolzenius@ joseph.bolzenius@hotmail.com

After the regional and state competitions, The National Competition will be held on May 14-15 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 “athletes” 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!



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Engineers Week Luncheon Update

February 20-26, 2017 is National Engineers Week. Locally, the Franklin County Chapter of the Ohio Society of Professional Engineers along with numerous other technical and professional societies will hold the annual E-week luncheon on February 23, 2017 at the Bridgewater Conference Center in Powell, Ohio.

E-Week Luncheon

Presentation: City of Columbus “Smart Columbus” Project

Thursday, February 23, 2016

Bridgewater Banquet & Conference Center
10561 Sawmill Pkwy, Powell, OH 43065.

Registration ~ 11:15am

Program ~ 11:30am-1:30pm


Presentation ~ 12:00pm – 1:00pm

This year Aparna Dial , Columbus Department of Public Service Deputy Director, or Randall Bowman,

P.E., Columbus Department of Public Service Assistant Director of Sustainability will present on the City of Columbus “Smart Columbus” project.

The City of Columbus “Smart Columbus” vision won the U.S. Department of Transportation \$40 million Smart City Challenge in June, 2016 after competing against 77 cities nationwide to become the country’s first city to fully integrate innovative technologies – self-driving cars, connected vehicles, and smart sensors – into their transportation network. Columbus was also awarded an additional \$10 million grant from Paul G. Allen’s Vulcan Inc. to accelerate the transition to an electrified, low-emissions transportation system. Columbus will become the nation’s epicenter for intelligent transportation systems (ITS) research to improve safety, enhance mobility, create ladders of opportunity for those who may have been left behind in the past, and address climate change by reducing emissions.

Look for more information in the February issue of the Columbus Engineer.



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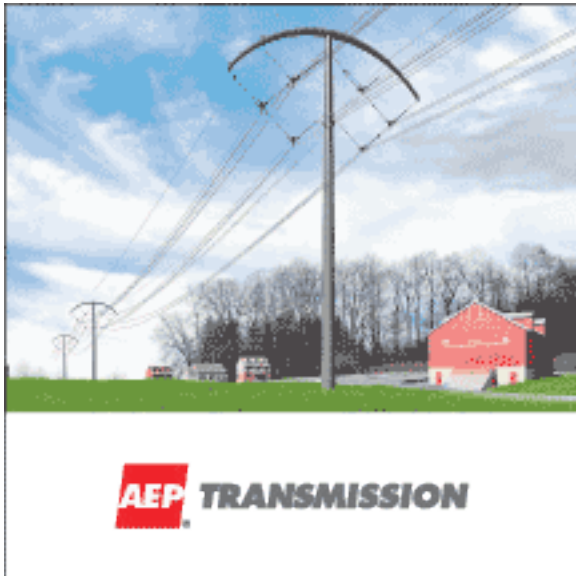
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Revised 1/06/2017

2016-17 CALENDAR

Jan. 10	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Jan. 15	5:00 p.m.	Deadline for February <i>Columbus Engineer</i>
Jan. 19	11:30a.m.	Program: “The Structural Perspective of the OSU North Residential District Transformation” - Jon Beier, P.E., LEED AP BD+C, Principal, SMBH, Inc.
Feb. 11	8:00 a.m.	Regional Mathcounts Competition @ Columbus State Community College
Feb. 14	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Feb. 15	5:00 p.m.	Deadline for March <i>Columbus Engineer</i>
Feb. 19-25		National Engineers Week (see www.eweek.org)
Feb. 22	8:00 a.m. – 3:00 p.m.	Engineer for a Day Program
Feb. 23	11:30 a.m.	Program: E-Week Luncheon
Mar. 11	8:15 a.m. – 4:00 p.m.	Ohio Mathcounts Competition (OSPE, see www.ohioengineer.com)
Mar. 14	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Mar. 15	5:00 p.m.	Deadline for April <i>Columbus Engineer</i>
Mar. 16	11:30a.m.	Program: “Geophysical Testing”
Mar. 18		District Science Day
Apr. 11	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus Engineer</i>
Apr. 20	11:30a.m.	Program: “Buckeye Bullet:
May 9	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
May 16	5:00 p.m.	Deadline for June <i>Columbus Engineer</i>
May 18	11:30 a.m.	Chapter Officer Installation/ Awards Luncheon
July (TBA)		FCC Budget Meeting - Location to be announced

Terracon Consultants, Inc. Address: 800 Morrison Road, Columbus, OH 43230



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