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# Columbus Engineer

Official Publication of the Franklin County Chapter of the  
Ohio and National Societies of Professional Engineers

## PRESIDENT'S MESSAGE

By Steven F. Wilson, PE, FCC President



As we all look forward to the holiday season, time off, and the giving of gifts, don't forget to keep giving as Professionals to OSPE and EFO programs.

EFO is in need of sponsors to support MATHCOUNTS, a middle school program that encourages students to develop the math skills required by potential future engineers. If you would like to give, please make your check payable to Engineers Foundation of Ohio and mail it to:

Ohio Society of Professions Engineers & Engineers  
Foundation of Ohio  
400 South Fifth Street, Suite 300  
Columbus, Ohio 43215-5430.

The November luncheon at the La Scala Restaurant in Dublin on the Scioto Greenways was an excellent demonstration of why professional engineers should always be engaged on projects that affect the public safety and welfare. Focused on the near "U-turn" in the Scioto River in downtown Columbus, the project has the potential to adversely affect the environment, public roadways, bridges, and utilities, including electric transmission and city sewers. With the education, experience, and ethics of professional engineering in play, however, Stantec has been addressing all of those concerns and is delivering a much improved downtown riverfront area to the Columbus community.

The Imagine Engineering second grade coloring contest previously announced by EFO, is progressing, and FCC now has a list of registered schools, for which PE volunteers are needed to visit and make

presentations. Presentations include a reading of "Not All Engineers Drive Trains", a short presentation by a PE to pique the interest of the students in engineering as a profession, and an explanation of the contest. Volunteers are needed now and early next year to visit those schools. Please contact Devon Seal, PE, at [devon\\_seal@gspnet.com](mailto:devon_seal@gspnet.com), or by phone to (614)221-0678 if you are interested and want to help.

With the end of the year approaching, all registered professional engineers should be reviewing their CPD record to ensure that they have fulfilled their legal requirements. If, after that review, you find yourself short, there is still time to take advantage of the free on-line courses offered by NSPE.

Until next year, may your holidays with your loved ones be both merry and bright while keeping in mind the reason for the season.

### FCC Auxiliary December Meeting

Just a reminder that the Auxiliary December meeting will be on Tuesday, December 9 (note earlier date), at the Scioto Country Club, 2196 Riverside Dr. After the noon luncheon, the delightful Grandview Singers from Grandview High School will return for another year. They are under the Director of Choral Music Andrew Grega. Guests are also welcome at this meeting which will put us in a holiday mood.

To make a reservation for this event, call Jean Mitchell at 262-7071.

**There will be no meetings in January or February.  
Save Tuesday, March 1.**

## Seeking Nominations for Five OSPE Awards

Nominations are being accepted for the following five OSPE awards. To be considered for this year's awards, you must contact your Awards chairperson no later than December 22nd as the majority of these awards have application forms that must first be completed and the nomination will need to be 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 experience

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 chairperson, Tina Sutermeister, [tlsuterm@embarqmail.com](mailto:tlsuterm@embarqmail.com) or 740-964-0828. Today!

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 Email: [OSPEFCC@aol.com](mailto:OSPEFCC@aol.com)



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## ENGINEER FOR A DAY 2015

The “Engineer for a Day” program is organized for high school students who have an interest in learning about careers in engineering. The program takes place during National Engineers Week in February, precisely February 25th. 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 (high school juniors and seniors) a 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 daily basis.

Each year we seem to have an abundance of students but we definitely need more company participation in this educational program. Last year we had 16 schools and 10 companies.

**If your company is interested in hosting students, please contact the program chair Charles Ohrstedt at 614-572-7659 or email [mohrstedt@sbcglobal.net](mailto:mohrstedt@sbcglobal.net) or the chapter office of the FCCOSPE at [FCCOSPE@aol.com](mailto:FCCOSPE@aol.com).**

The program has enjoyed tremendous support from many companies and organizations. These companies have been very supportive of the program in the past and we appreciate and value their continued support at molding the future engineer. The program has changed over the years, as we now prefer that students have a means of transportation to and from their host companies.

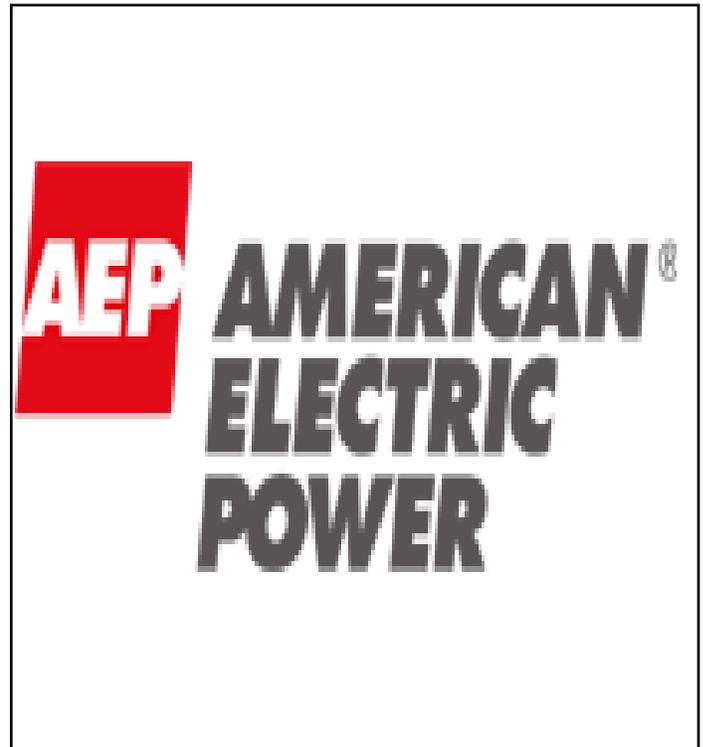
Schools have been very supportive, too! They know and identify the students with special math and science skill first, then shape them along a career path. The students follow up and choose an engineering discipline of their choice. They have continued to provide guest students for the program and their unflinching support is appreciated.

The past few years have not been very easy for the program, but past experiences have shown that with support from parents, schools, and the host companies we will produce the engineers of our dream – able to compete with other professionals in the larger society, but we need to discover the talent in them early before other professional paths grab them.

We would like to recognize and thank the participating companies and schools from the 2014 Engineer for a Day. The participating companies include: AEP Transmission, ARACADIS, the City of Columbus, Emerson Network Power, the Office of Franklin County Engineer, Hull and Associates, Inc, ms consultants, inc., Patrick Engineering, Shirk & O’Donovan Consulting Engineers and Terracon Consultants, Inc.

The participating schools include: Bishop Hartley H.S., Bishop Watterson H.S., Brookhaven H.S., Centennial H.S., the Columbus Africentric Early College school, the Columbus Alternative H.S., the Coluymbus Downtown H.S., the Columbus School for Girls, Fort Hayes Harts & Academic H.S., Hilliard Darby H.S., Independence H.S., the Reynoldsburg eStem Academy, Teays Valley H.S., Thomas Worthington H.S., Westerville North H.S., and Westerville South H.S.

**If any members of OSPE-FCC know of any high school students that would like to participate in this educational program and have not received any information from their high school, please contact us so we can get them the information they will need to participate. We have always been able to place the students that have asked to participate in Engineer for a Day.**



## PEI (Professional Engineers in Industry)

What is PEI (Professional Engineers in Industry) doing this year? PEI is focusing on three major areas:

- Reinvigorate PEI at both the State and Chapter level
- Update the brochure – Guidance to Employment for Professional Engineers highlighting the benefits that PEs contribute to industry
- Develop topics on ethical issues that are of interest to PEs in Industry

### **Reinvigorate PEI at both, the State and Chapter Level:**

At the national level the PEI Executive Board is investigating what is needed to support the PEI practice division at both, the State and Chapter level, in order to make PEI successful. Information is being gathered from states and chapters that have active PEI groups with the goal to generate a list of Best Practices that can be shared nationally with all states and chapters. Ohio has historically had a strong PEI group at both the State and Chapter level. However, many states do not have a PEI group at all. This area will address ways to organize and resurrect PEI groups in states where they no longer exist as well as providing ways to make existing PEI groups even stronger.

### **Guidance to Employment for Professional Engineers:**

The fourth edition of this document was published on June 10, 2006 and is available from the NSPE web site (<http://www.nspe.org/resources/interest-groups/industry/industry->

publications). The purpose of these guidelines are for use by:

- Employers in evaluating their own practices regarding professional engineering employees,
- Professional engineering employees in evaluating their own responsibilities and those of their employers, and
- New graduates and other prospective professional engineering employees in evaluating prospective employers.

Guidelines are presented in a manner that reflect a mutually beneficial functional relationship between an engineer and an employer. The guidelines cover recruitment, employment, professional development, and termination. This document emphasizes the need for the engineer to take responsibility for career management and the need for the employer to provide an environment that is conducive to the engineer's career growth.

These guidelines are considered the minimum standards. The guidelines reflect the combined experience and judgment of many employers and professional employees. The fourth edition reflects changes in the engineering employment environment brought on primarily by globalization. The fifth edition is being working on this year as this document will be updated to highlight the benefits that PEs contribute to industry.

### **Develop topics on ethical issues that are of interest to PEs in Industry:**

The webinars available through the NSPE seminar series were developed based on cases from Private Practice. PEI is working on developing topics that will address ethical issues that are applicable to industry. PEI Vice Chairs are gathering information on ethical seminars that have been held on the Chapter and State level as source material for this work item. FCC-OSPE has held monthly luncheon topics on ethics from the industry viewpoint and the state-level CPD conferences have also included topics on ethics. For example, the ethics topic, *Use Your Ethics Toolbox to Evaluate Real Engineering Cases*, that was presented at the Ohio Fall CPD Conference on November 6th by Bill Lhota, P.E., P.S., Ross Leadership Institute is great source material.

If you have any PEI questions or comments, please contact



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Tina Sutermeister New Phone & Email

Please note that Tina Sutermeister, PEI Trustee has a new phone number and email address: Phone - 740-964-0828, Email - [tlsuterm@embarqmail.com](mailto:tlsuterm@embarqmail.com)

## 2014-15 CALENDAR

Dec. 9	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Dec. 16	5:00 p.m.	Deadline for January Columbus Engineer
Jan. 13	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Jan. 14	5:00 p.m.	Deadline for February Columbus Engineer
Jan. 15	Noon	Luncheon – <b>Air Quality Monitoring and Modeling by Kevin Crist, Chemical Engineer, OU</b>
Feb. 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Feb. 14	5:00 p.m.	Deadline for March Columbus Engineer
Feb. 21	8:00 a.m.	Local Mathcounts Competition @ Columbus State Community College
Feb. 16-21		National Engineers Week (see <a href="http://www.eweek.org">www.eweek.org</a> )
Feb. 25	8:00 – 3:00 p.m.	Engineer for a Day Program
Feb. 26	11:30 a.m.	E-Week Luncheon at <b>Bridgewater Banquet &amp; Conference Center</b>
Mar. 7	8:30 a.m. – 3:00 p.m.	State Mathcounts Competition (FCC Volunteers)
Mar. 10	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Mar. 13	5:00 p.m.	Deadline for April Columbus Engineer
Mar. 14		District Science Day
Mar. 19	Noon	Luncheon - <b>Transportation, Traffic and Work Zone Safety by Deb McAvoy, CE, OU</b>
Mar. 21		Spring Certificate Ceremony (OSPE)
Apr. 14	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Apr. 15	5:00 p.m.	Deadline for May Columbus Engineer
Apr. 16	Noon	Luncheon - <b>Oil and Gas Pipeline Corrosion by Srdjan Nestic, Chemical Engineer, OU</b>
May 12	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
May 16	5:00 p.m.	Deadline for June Columbus Engineer
May ??	6:30 p.m.	Annual Spring Banquet / Officer Installation
June (TBA)		Annual Spring Leadership Conference
July (TBA)		FCC Budget Meeting Location to be announced

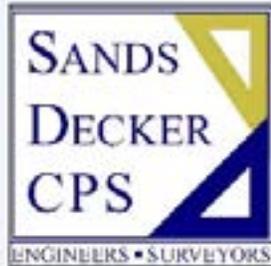
Korda Nemeth Address: 1650 Watermark Dr Ste 200, Columbus, OH 43215

### WHERE DO I GET MORE INFORMATION?

FCC-OSPE Office e-mail & phone number:	<a href="mailto:ospfcc@aol.com">ospfcc@aol.com</a>	614-470-4170
FCC President E-mail & Phone:	<a href="mailto:sfwilson@aep.com">sfwilson@aep.com</a>	614-552-1714
OSPE WEBSITE:	<a href="http://www.ohioengineer.com">www.ohioengineer.com</a>	
NSPE WEBSITE:	<a href="http://www.nspe.org">www.nspe.org</a>	
To Volunteer to help with MATHCOUNTS:	<a href="mailto:jbolzenius@patrickco.com">jbolzenius@patrickco.com</a>	614-498-0339
FCC Luncheons / Programs:	<a href="mailto:lewinget@att.net">lewinget@att.net</a>	614-267-9692
New Members / Membership Applic.	<a href="http://www.nspe.org">www.nspe.org</a> or <a href="http://www.ohioengineer.com">www.ohioengineer.com</a>	614-223-1144

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