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PRESIDENT'S MESSAGE

By Paul F. Junk, PE, PS, FCC President



Looking back over the year, many experiences come to mind. I appreciate the quality of programs we had this year. They have been very informative, which shows the hard work Leon Winget has done. The Chapter could not function without the help of our sponsors. The Columbus Engineer Newsletter

lists all our great sponsors and we are very thankful for their support. Franklin County Chapter is proud of the only active Auxiliary in the State of Ohio. We appreciate their support. For Central District Science Fair Day and State Science Fair Day we gave special prizes for the top engineering projects. This year we had a very successful Engineer for a Day. A large number of sponsors and

students participated. A highlight of the year was putting on the Regional and State MATHCounts. Imagine Engineering Coloring contest was our outreach to second graders in the area schools. This year's Engineer's Week Luncheon was very interesting and if you could not make it, you missed a lot. We have a strong ethics education program which comes in handy due the latest registration. The chapter had a very strong presents at the Engineer's Certificate Ceremony. This was our chance to recruit the new engineers just getting their license. FCC is the Largest Chapter area in Ohio and we have done a lot, but there is still a lot to do. We have been awarded the highest rating of 5-Stars from OSPE's Star Chapter Recognition Program. Please give our incoming President Kevin Ernst all your support and we will continue making Franklin County Chapter the best in Ohio.

A Note from the Incoming Chapter President

by Kevin Ernst, PE



As I write this note, I am looking forward to serving as the Franklin County Chapter's President for 2016 – 2017! First, I would like to thank Paul Junk, P.E., P.S., for his leadership as President for 2015 – 2016 and congratulate the Chapter on winning OSPE's Star Chapter Award. As we

plan for the upcoming year, I'd like to share a few of my thoughts about upcoming events, initiatives and goals for the Chapter. Our committee chairs are actively planning for our upcoming activities which include our luncheon Professional Development Hour presentations, Imagine Engineering contest for elementary school kids, MathCounts completion, and Engineer for a Day for high school students held during Engineer's Week in February. We are also establishing a chapter committee

to begin the legwork this summer to establish a student chapter at The Ohio State University. If you would like to participate in these or other activities presented on our website www.fccospe.org, please contact me and I'll connect you to the appropriate committee chair. Finally, I would like to congratulate our recently elected chapter Professional Engineer (PE) Practice Area Trustees for the areas of: Private Practice (PP) – Gene Geiger, P.E., Construction (PEC) - Yogesh Rege, P.E., Government (PEG) – C.R. Weaver, P.E., Higher Education (PEHE) – Alden Jenkins, MBA, P.E., P.S., and Industry (PEI) – Tina Sutermeister, P.E. As the year evolves, my goal is to assist our Trustees in engaging and advocating for our local Professional Engineers on issues important to our profession. I encourage you to reach out to our Trustees for additional information concerning our activities and OSPE resources related to your area of practice. All for now...best wishes.....and enjoy the summer!

Franklin County Chapter Area

Franklin County Chapter of the Ohio Society of Professional Engineers is made up of more than Franklin County, it encompasses the following Ohio Counties:

- | | |
|---------------|---------------|
| Delaware Co. | Madison Co. |
| Fairfield Co. | Marion Co. |
| Franklin Co. | Morrow Co. |
| Hocking Co. | Muskingum Co. |
| Knox Co. | Perry Co. |
| Licking Co. | Union Co. |

Franklin County is one of the most active and largest Chapters in the Ohio Society of Professional Engineers.

Below is a map of the Franklin County Chapter Area:



Faux Golfer?

By Paul Franklin Junk, PE, PS

I feel like a phantom golfer. I went to the EFO fund raising golf outing just for dinner only. My inspiration being to help EFO in their efforts to raise money for MATHCounts and the many other activates of our educational arm of OSPE.

When I signed up online, I did not realize that I was assigned to a golf team. I found out at the dinner that I was paired with Devon Seal, Steve Day, and Ron Eifert. They told me that I played in spirit. They each took turns taking shots for me.

My teammates plays were inspiring and I discovered that I was a better golfer than I thought. Next year let's have more faux golfers. Imagine whole teams of faux golfers not touching a green, but we may not win "closest to pin" or "longest drive".

Dinner was not the only highlight of the evening. I was a two time winner in the raffle of items from all over Ohio. I won tickets to the Akron Rubber Ducks and the Toledo mud Hens. The outing was a success and I am looking for a great one next year.

Promoting Licensure and Ethical Practice



DENNIS IRWIN, PH.D., P.E.
DEAN, RUSS COLLEGE OF ENGINEERING AND TECHNOLOGY, OHIO UNIVERSITY
PRESIDENT, OHIO SOCIETY OF PROFESSIONAL ENGINEERS
CHAIR-ELECT, NSPE'S PROFESSIONAL ENGINEERS IN HIGHER EDUCATION

I'm going to ignore the tendency of some of my colleagues to do what is common in my academic work life and also in my life as a leader of an organization of PEs—letting perfect get in the way of good.

Why do we argue about whether using the term "degreed engineers" rather than "individuals with engineering degrees who if licensed would actually be engineers" is inappropriately elevating these [individuals'] status? I resolve to pay only the absolutely necessary attention to these less important things.

I will avoid arguments about needing to require more education beyond the bachelor's degree; the arguments about needing to require experience before taking the PE exam; and arguments about the nuances of plan stamping. These are not the truly important things, either.

We've got a lot of challenges in the world of professional engineering—attacks on the very idea of licensure by state governments (e.g., in Indiana); lapses in ethics by engineers, registered or not (e.g., General Motors' ignition switch and Volkswagen lying about emissions); and the decrease in interest by degreed engineers in becoming licensed. I resolve to get involved in these important things.

Let's not lose sight of the following goals: more licensed engineers as a proportion of those actually practicing engineering; a greater emphasis on ethics in engineering practice and its reinforcement by state laws; and a recognition that ethics is equally as important as technical competency. These are the important things. I resolve to pay attention to the important things. It's not perfect, but it is good.



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OSPE-FCC Preliminary Events Schedule

(as of 6/22/16)

OSPE-FCC Board Meeting

(2nd Tues of the Months: Sept, Oct, Nov, Dec, Jan, Feb, Mar, Apr, May)

- Sept. 13, 2016
- Oct. 11, 2016
- Nov. 8, 2016
- Dec. 13, 2016
- Jan. 10, 2017
- Feb. 14, 2017 (Valentine's Day?)
- Mar. 14, 2017
- Apr. 11, 2017
- May 9, 2017

Board Meeting Location:

Terracon Consultants, Inc.
800 Morrison Road
Columbus, Ohio 43230
(614) 863-3113

Luncheon Presentation Dates (from Chair: Leon)

(3rd Thursday of the Months: Sept, Oct, Nov, Jan, Mar, Apr)

- Sept. 15, 2016
- Oct. 21, 2016
- Nov. 17, 2016
- Jan. 19, 2017
- Mar. 16, 2017
- Apr. 20, 2017

See additional write up by Program Chair in this Columbus Engineer, "The FCC Luncheon Program"



Imagine Engineering (from Chair: Devon)
(Specific dates for next year not yet set)

Typically:

- November - receive the list of schools
- November board meeting - assign volunteers
- January and February - School visits
- March board meeting - entries are judged, and Chapter winners are sent to the state for judging at the OSPE March board meeting.
- March or April - Prizes are awarded to the students at their schools

Scholarship (from Chair: Joe Sullivan)

- Nov. 1, 2016 – OSPE office notifies all area High School Principals of the scholarship(s) and provides scholarship applications.
- Jan. 15, 2017 – All applications are due back to the OSPE office from the High Schools.
- Feb. 15, 2017 – OSPE office sends the applications to the chapters for grading.
- Apr. 1, 2017 – Graded applications are due back to the OSPE office.

Engineers Week (from Chair: C.R. Weaver)

- Feb. 23, 2017 - E-week luncheon, Thursday.
- Feb. 22, 2017 - Engineer for a Day, Wednesday

(MATHCounts should be managed by the MATHCounts committee chair but this event typically falls on the same week as well)

MATHCounts (from Chair: Joe Bolzenius)

- Feb. 11, 2017 - Regional competition (currently only date set)



The FCC Luncheon Program

Leon E. Winget, PE, FNSPE, PhD – Program Chair

The FCC luncheon programs, as well as our Columbus Engineer (CE), are important avenues to keep our members informed of recent engineering activities and/or new developments in engineering and science related to engineering principles. Our programs are directed toward technology, management or ethics/rules so that our members may earn CPD credit. In the near future, our CPDs will require two hours per biennium (2 out of 30 hours) of ethics/rules. Ethic/rules include the principal concepts that we as professionals must abide. An ethics definition “Ethics involves systematizing, defending, and recommending concepts of right and wrong conduct. Ethics is as important to the practicing engineer as the fundamentals, which guide the design of his concepts.”

Next FY (2017-2018), we will be looking forward to an hour of rules/legislation affecting our profession. Potential presenters are Bill Lohta, John Greenhalge or Joe Warino.

Our past luncheon program, had six very interesting presenters. Our topics were:

- Age of Steam Roundhouse, “Ted” Goodman, F.A.Goodman Architects LLC
- The project I70 over I270, ODOT, Deputy Director Ferzan Ahmed, District 6 ODOT
- Dublin US-33 over I-270 Bridge - Andy Wolpert, Ch2M Hill
- Ethics - Ohio Revised Code and Ohio Administrative Code, Bill Lohta
- Roundabouts versus Traffic Circles, Steve Thieken, PE, PTOE, AICP, Burgess & Niple
- Oil & Gas Pipeline Corrosion - Srdjan Nesic, Chemical Eng., Ohio University

FCC would like your input to the topics that would be of interested to you and our members. Topics which we are investigating for this FY are:

- The enhancement of the Buckeye Lake Dam (ODNR Chief Engineer)
- US 23/I-270 Results of the traffic improvements (HNTB or ODOT)

- Other traffic enhancements, which are in the planning stage (ODOT).
- Self driving automobiles (Ohio State University or Honda)
- 3-D Printing impact on engineering design and fabrication (OSU or OU)

Last fall the Chief Engineer of ODNR, Hung Thai, thought the Buckeye Lake Dam reinforcement was too sensitive issue with the home owners. Since then, the decision has been made and construction has started. I would expect the presenter to discuss the various options that were considered, relating the pros and cons of each.

The Worthington US 23/I-270 interchange proposed rebuild was presented at our luncheon November 2013. The engineer responsible for the rebuild or a member of ODOT could report on the improvement of the traffic flow.

3-D Printing has been around for a few decades. However, recently it has had greater impact in the engineering methods. In addition, virtual reality is now contributing to the engineering design process. I believe now would be a good time for an update of both.

36/37 interchange – for the Tanger Outlet mall opening June 24, 2016
<https://www.tangeroutlet.com/columbus>

State House Rep speak about transportation investments – have a combination meeting with WTS \ ASHE \ ASCE

- Columbus
- Westerville
- Grove City
- Delaware County
- Franklin County

Should you have a topic that you would like presented, please let us know. You may contact either myself (lewinget@att.net), or our 2016-2017 President Kevin Ernst, (kevin.ernst@terracon.com).

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