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PRESIDENT'S MESSAGE

By Paul Junk, PE, PS, Acting FFC President

As Acting President for the Franklin County Chapter of OSPE, I would like to highlight some recent activities for the Chapter. Engineer's Week luncheon was a great place to network with fellow engineers. During which Honda even gave us a peek at their new car coming out.

Speaking of networking, come to La Scala Restaurant on March 19th and learn about transportation safety at our next luncheon.

MathCounts had a little trouble with the weather, but after two weekends our local champions moved to the State MathCounts on March 14th.

It is hoped that weather will be better for the young engineers to receive their certificates at the State House on March 21st. It is open to the public so you all should drop by the festivities.

OSPE-FCC March Luncheon Program

Date: Thursday, March 19, 2015

Place: La Scala Restaurant
4199 W. Dublin Granville Rd., Dublin

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

Program: "Transportation, Traffic & Work Zone Safety"
Sustaining safety and efficiency are among the primary challenges facing organizations that operate and maintain highway networks. Aging roadway infrastructure, along with increasing traffic volumes and congestion necessitates significant amounts of roadway repairs, maintenance and improvements.

Safety hazards are increased in highway work zones as the dynamics of a work zone introduce a constantly changing environment with varying levels of risk. An error in the assessment of risk and/or performance of the driver, may lead to traffic crashes involving injury or fatalities to the construction workers or motorists.

Without a distance separation of the workers and motorists through rigid barriers, the potential for danger is further increased. Other dynamics of the work zone including the work zone location, working conditions and the duration also make safety planning on a project more difficult.

Work zone safety and mobility must be considered during all phases of highway construction maintenance and repair. In addition, work zone present a challenge for the health and safety of highway workers. Therefore, maintaining a reasonable level of mobility for all users, while addressing safety risks inherent in construction and maintenance operations, is crucial in providing a safe and efficient highway system.

Presenter: Deborah S. McAvoy, Ph.D., P.E., PTOE
Deb McAvoy is an Associate Professor and Chair of Civil Engineering at Ohio University. Dr. McAvoy created the Safety and Human Factors Facility at Ohio University to conduct collaborative research in areas that require the use of a driving simulator in order to safely collect driver performance data. Her research focus areas include visibility of traffic control devices, reducing crashes in work zones, the effectiveness of geometric features and understanding driver behavior.

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

ENGINEER FOR A DAY PROGRAM SUMMARY

The Engineer for a day program was held on February 25, 2015 at various companies in the Franklin County Chapter area. There were eleven companies hosting 64 Juniors/Seniors high school students that had an interest in engineering as a career. These students spent the day shadowing an engineer at work. We wish to thank the companies that participated:

AEP Transmission

American Structurepoint Inc.

ARCADIS

City of Columbus (public works)

Emerson Network Power

Office of Franklin County Engineer

Hull & Associates, Inc.

MJ Engineering

ms consultants, inc.

Shirk & O'Donovan Consulting Engineers, Inc.

Terracon Consultants Inc.

The students came from 19 different area high schools.

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Email: OSPEFCC@aol.com

NSPE Supports Maryland Legislation Requiring All State, City, and Local Employees in Responsible Charge to be Licensed PEs*

On February 27, NSPE President Harve Hnatiuk, P.E., F.NSPE sent a letter to the Maryland House and Senate formally endorsing House Bill No. 752 and Senate Bill No. 738, Professional Engineers-Responsible Charge-Review and Approval of Engineering Documents-Review and Approval of Engineering Documents.

The House bill is set for a hearing on March 3 and the Senate bill will be the subject of a hearing on March 18. President Hnatiuk wrote: "These hearings present an opportunity to ensure that Maryland state law removes any implication that Maryland city or local government employees are exempt from the licensing requirement if they are practicing engineering."

It is NSPE's longstanding policy that all engineers in responsible charge of the practice of engineering should be required by all state statutes to be licensed professional engineers.

* From <http://www.nspe.org/resources/issues-and-advocacy>



BRIEF SUMMARY

OSPE-FCC JANUARY

LUNCHEON PRESENTATION

Presentation was made by Kevin Crist, Professor of Chemical Engineering and the Director of the Air Quality Center at Ohio University. Kevin is one of the founding members of Ohio University's Consortium for Energy, Economics and the Environment (CE3).

Ohio's inexpensive and plentiful electricity has led to environmental concerns. The topic concentrated on particulate matter, acid aerosols, ozone, and mercury deposition. Modeling is a very complex issue and much research is continuing on the computer model. The economic ramifications must be integrated into the model.

Great Lakes eco-region is one of the largest sources of water for human consumption. He discussed the potential impact on the eco-system by the generating plants in Ohio and difficulty of modeling the effects from Ohio.

- Spatial distribution of mercury deposition was measured at 32 sites.
- An estimate 6.4 metric tons of mercury was deposited in the Great Lakes.
- One model indicated that only about 2.5 tons came from local sources.
- The remainder comes from other states away from the Great Lakes and global sources including China, Russia and even Western Europe.
- The study is continuing.

Professor Crist kept the audience attention and fielded many questions. The presentation extended several minutes beyond the one-hour presentation. Although he discussed the items listed above, the present development was emphasizing mercury deposition.

Besides the Great Lakes, he also discussed the impact on the streams, rivers, and wetlands in Ohio. Any realistic model must include the impact on the economic impact on the public.

AWARDS DUE

MARCH 31, 2015

The following 5 state level awards have a submission due date of March 31, 2015. Consider nominating an FCC member for these awards. Please send your nominations to Tina L. Sutermeister, P.E., F.NSPE at tlsuterm@embarqmail.com.

1.) **Overall National Engineers Week Observance Award** - This award is presented to the Chapter that excels in its week long program to promote the engineering profession and to educate the community of the true meaning and purpose of National Engineers Week. This award would highlight the following programs: Imagine Engineering, MATHCOUNTS, EFAD, and the E-Week luncheon.

2.) **OSPE Uncommon Engineer Award** - This award recognizes the 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.

3.) **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.

4.) **Professional Engineering Management Award** - This award recognizes leadership, organizational, and management skills in an engineering environment.

5.) **Ohio New Product Award** - This award recognizes the benefits that come from the research and engineering of new products and the results of engineers' efforts and the foresight of their firms. The firm must have developed a product, machine, process, or material that was primarily developed and manufactured in Ohio.

FCC Auxiliary March Meeting

There will be a meeting of the Auxiliary to the Franklin Co. Chapter of OSPE on Tuesday, March 17, 2015, beginning with a noon luncheon at Hilliard Presbyterian Church, 3600 Leap Road.

Entertainment will be provided by the American Association of University Women's Chorus, under the direction of Laurie Hagerman.

Joanne Troy will give the invocation and lead the pledge of allegiance. Linda Wong is to be hostess.

Prospective members and guests are always welcome. For reservations please call Jean Mitchell at 262-7071.



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			614-946-2961 (h)	
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FIRST CLASS

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Franklin County Chapter
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2015 CALENDAR

Mar. 13	5:00 p.m.	Deadline for April Columbus Engineer
Mar. 14	8:30 a.m. - 3:00 p.m.	State Mathcounts Competition (FCC Volunteers)
Mar. 19	Noon	Luncheon - Transportation, Traffic and Work Zone Safety by Deb McAvoy, CE, OU
Mar. 21		Spring Certificate Ceremony (OSPE)
Mar. 21		District Science Day
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 - Oil and Gas Pipeline Corrosion by Srdjan Nestic, Chemical Engineer, OU
May 12	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
May 16	5:00 p.m.	Deadline for June Columbus Engineer
May 21	12:00 p.m.	Officer Installation at La Scala
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