

VOL. 68
NO. 6



Franklin County Chapter
Ohio Society of Professional Engineers

MARCH 2010

Columbus Engineer

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

PRESIDENT'S MESSAGE

By Leon Winget, Ph.D., P.E. / FCC President

I hope all of you had a great Engineer's Week. Locally, we had an outstanding turnout at our E-week luncheon held at the Villa Milano and it was great to see that many engineers gathered together to celebrate the engineering profession. We should all be very proud of our profession and be honored to let the public know the importance of engineers in our society. As an addition this year, Engineer for a Day, was held on the same day and we had students in attendance at the luncheon, some of our future engineers.

The speaker, Dr. Giorgio Rizzoni, elucidated the potential crisis we may face, with the addition of one billion automobiles on Planet Earth. The additional units are based

on the developing countries approaching the standard of living of this country. His research at Ohio State University and Ford Motor Company is aiming at increasing the efficiency of the automobile and reducing the fuel consumption. His main effort at this time is improving the hybrid automobile, with hopes of doubling the miles per gallon within the next decade, and hopefully they will be able to reach the number of 90 miles per gallon in the not too far future.

We have another outstanding speaker for our March luncheon program. Karen Sloneker, Director of Customer Services

(Continued on page 2)

FCC-OSPE March Luncheon Program

DATE: Thursday, March 25, 2010
PLACE: The Spaghetti Warehouse
397 W. Broad St. / 464-0143
TIME: Registration: 11:30 am
Lunch: 11:50 am
Speaker: 12:05 pm
Closing Remarks: 12:55 pm
COST: Advance Reservation: Members: \$15.00
Non-Members: \$30.00. Call Chapter at 470-4170 or email registration information to OSPEFCC@aol.com by March 19. Please include name and phone number. Pay at the door (check payable to FCC-OSPE)

Lunch includes choice of: Chicken Alfredo, Chicken Parmigiana, Lasagne platter or Veal Parmigiana along with salad, roll and soda, tea or coffee.

PROGRAM: **AEP Ohio gridSMARTSM Demonstration Project** by Karen Sloneker, Director of Customer Services and Marketing and Project Director for the AEP Ohio GridSMART Demonstration Project.

The AEP Ohio gridSMARTSM Demonstration Project will make the utility grid smarter and the people that use it more energy smart through a multitude of smart grid technologies that provide consumers greater control of their energy usage, enhanced energy conservation opportunities, improved customer services and greater service quality and reliability. AEP Ohio's project fully integrates a broad range of commercially available products, innovative new technologies and new consumer products and services within a single, secure two-way communication network between a utility and its customers. How will we do this? The first step is to test more than 13 field technologies, products and services designed to demonstrate the full benefits of installing a comprehensive distribution smart grid for consumers and AEP Ohio. Karen Sloneker, Director - Customer Services and Marketing and Project Director for AEP Ohio's gridSMART Project, will discuss the project and its implications to AEP Ohio, its customers and the industry.

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

(Presidents Message continued from page 1)

and Marketing and Project Director for the AEP Ohio gridSMART Demonstration Project. The next exciting advanced technology is just stone throw away. Ms Sloneker will demonstrate how the new technology will make the utility grid more efficient.

In addition to the programs above, our Chapter also supported the Imagine Engineering Second Grade Coloring Contest. A special thanks goes to Ismail Jallaq for coordinating this activity. Several schools have already been visited.

As of this writing, we are preparing for the Regional MATHCOUNTS competition. Over 50 schools and over 310 students will be participating for a chance to advance to the state competition that will be held March 13th at Columbus State Community College. There are still opportunities to volunteer for the State MATHCOUNTS event. Please let me know if you are interested.

Our members are evaluating 12 applications for scholarships to an engineering college. The applications will be evaluated and the winners will be selected for a FCC scholarship. In addition, the best will be forwarded to the EFO/OSPE to also compete at the State level. These are also our future engineers. If you would like to participate in future evaluations please notify Joe Sullivan. Our thanks go to Joe and his committee for the tremendous work that they have done and continue to do.

Until next month, keep up the good work and remember that the Engineering Profession is our window to our society.

MARCH AUXILIARY EVENT

The Auxiliary to the Franklin Co. Chapter of the OSPE will have their meeting at noon on Tuesday, March 16, at Worthington Hills Country Club, 920 Clubview Blvd. South, Worthington.

Speaker will be Joan Mace, retired Chairperson of the aviation department at Ohio University, Athens.

Marlene March will be hostess, and Elizabeth Vaughn will have the invocation and lead the pledge of allegiance.

Guests and interested prospective members are always welcome and may make a reservation with June Gray, 793-1425.

**We would like to thank
our sponsors
who contributed at all levels.**

Our Bronze sponsor is:

Civil & Environmental Consultants

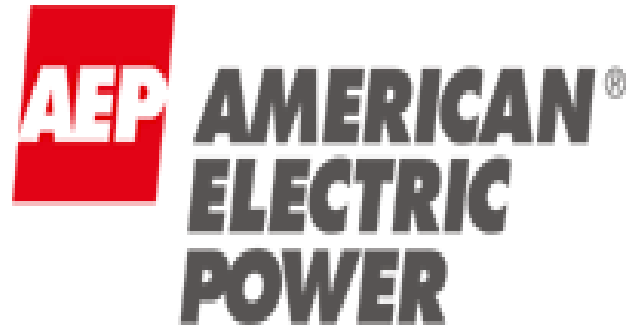
Urban Revitalization | Energy | Waste Management | Environment



From strategy development through design and construction management, Hull's Civil Engineering team can help.

Hull
& Associates, Inc.

614.793.8777
www.hullinc.com



Platinum Level Sponsor

SCIENCE DAY

Once again this year the Franklin County Chapter will be a Sponsored Award Organization for the Central District Science Day. District Science Days are Science Fair competitions for students in grades 5 through 12. They are the academic equivalent of a District athletic championship. They are held on college and university campuses and are administered by the University and District Councils. Currently sixteen colleges and universities host District Science Days in Ohio.

The Central District event will be held on March 20th at Columbus State Community College. Projects that are devoted to any of the different engineering disciplines are eligible for the Franklin County Chapter awards. Grading is based on the knowledge achieved, effective use of the scientific method or engineering design process, clarity of expression, originality and creativity. Awards of \$150, \$100 and \$50 will be presented to our top three finishers.

Judges are needed for the event, so if you are interested please email Joe Sullivan at joe.sullivan@stantec.com. Sponsored Award Judges are asked to report to Room 137, Union Hall at 8:30 AM for a brief orientation. Judging begins at 9:00 AM and concludes at approximately 11:30 AM, so the time commitment is short.

Participants in District events who are judged with a superior rating go on to the State Science Day. This year's State Science Day will be held May 8th 2010 at French Field House and St. John Arena on the Ohio State University Campus.

For more information please contact Joe or visit the Central District Science Day Web site <http://www.csc.edu/docs/science/>.

OSPE Family Event

Bring the family and join us at the Columbus Square Bowling Palace (5747 Forest Hills Blvd., Columbus Ohio 43231) for Bowling on March 27, 2010 at 1:00 pm for some bowling fun.



Bowling is \$4.00 per game per person. (Cost includes bowling shoes.) Call the chapter at 470-4170 or email registration information to OSPEFCC@aol.com by March 13, 2010. Please include your name and phone number, and the number of people attending so that we reserve enough lanes for everyone.

Profession Engineers in Industry NEW PRODUCT AWARD

New and improved products stimulate the life and growth of our country. These benefits result from research and development to which engineers make their unique contribution. This competition recognizes the results of those efforts and the foresight of the companies whose aggressive policies bring new products to the marketplace.



The purpose of the NSPE/PEI New Product Award program is to recognize the full spectrum of benefits that come from the research and engineering of new products. These include added employment, economic development, strengthening of the nation's competitive position internationally, and contribution to the public's standard of living.

Any new product, machine, process, or material that has been developed in the United States may be entered provided that it was first placed on the market between **2003 and 2007**.

OSPE has the same award at State level.

Franklin County Chapter is asking members to identify any company that may provide a service or product that meets the qualifications above. There are small, medium, large, and mega company awards. There is no entry fee to file for the State award. Please contact Steve Wilson, sfwilson@aep.com for detail information. Applications are due to OSPE by March 31, 2010.

(Portions of the above was excerpted from "2009 NSPE/PEI New Product Award - Information and Instructions")

2010 Fall Luncheon Programs

The OPSE programs committee is currently in the process of identifying speakers for this fall. We want to make sure our luncheon presentations reflect engineering topics you are interested in, so if there is a topic or speaker that you would like to see presented at our luncheons, call Devon Seal, programs chair at 614-221-0678.

FIRST CLASS

OHIO SOCIETY OF
PROFESSIONAL ENGINEERS
Franklin County Chapter
P.O. Box 69
Reynoldsburg, Ohio 43068

2010 CALENDAR

Mar. 13		State MathCounts Competition at Columbus State Community College
Mar. 15		Deadline for April <i>Columbus Engineer</i>
Mar. 16	Noon	Auxiliary Luncheon: Worthington Hills Country Club
Mar. 20		Ohio Engineering & Surveying Certificate Ceremony
Mar. 20		Central District Science Day Event at Columbus State Community College
Mar. 25	Noon	FCC-OSPE Luncheon - The Spaghetti Warehouse
Mar. 27		FCC-OSPE Family Event - Bowling - Columbus Square Bowling Palace
April 15		Deadline for May <i>Columbus Engineer</i>
April 22		FCC-OSPE Luncheon
May 8		State Science Day Event at OSU
May 27		FCC-OSPE Officer Installation (tentative)