



Columbus Engineer

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PRESIDENT'S MESSAGE

By Richard Smelker FCC President



If you did not participate in the February functions last month, there are many opportunities this month. The MATHCOUNTS state competition is being held on March 8 you can participate. For more information contact Tina Sutermeister, Tina.Sutermeister@alcatel-lucent.com.

The Central District Science Day will be held at Columbus State Community College on March 15th. Projects devoted to any engineering disciplines are eligible for the 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

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MARCH FCC-OSPE LUNCHEON

- DATE:** Thursday, March 20, 2014
- PLACE:** Worthington Hills Country Club
920 Clubview Blvd. S.
- TIME:** Registration: 11:30 AM
Lunch: 12:00 Noon
Closing Remarks: 1:00 PM
- COST:** \$20.00 OSPE Members
\$20.00 FCC Auxiliary Members
\$30.00 Others
- REGISTRATION:** Visit fccospe.org
Pay at door or online at fccospe.org

PROGRAM: I70/I-71 South Innerbelt Study - Project 2 - East Interchange

PRESENTATION: Leslie Montgomery and Tom Hibbard. Leslie will speak about the history of the improvement - the study phase. Tom will speak about project 2C and 2D that provide solutions to the East interchange.

BIOGRAPHIES: Leslie Montgomery graduated from the Ohio State University, and is a registered professional engineer. She has worked for the Ohio Department of Transportation for 25 years. Most recently, she has been ODOT's project manager for the design of some of Central Ohio's largest projects, including the I-270/US Route



What it will look like when finished

23 interchange project and five phases of the downtown I-70/I-71 project.

Tom Hibbard received his BSCE from Ohio Northern University and is a registered professional engineer. He is Senior Project Manager for ms consultants with over 25 years of transportation design and management experience throughout the region. For the last 12 years, he has been the consultant team project manager for the I-70/I-71 South Innerbelt Study and the design of the I-70/I-71 East Interchange.

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



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IEEE COLUMBUS SECTION PACE MEETING

Saturday, March 15, 2014



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PROGRAM: **STOCK MARKET INVESTMENT** by **Tai C. Wong**

Tremont Road Library, 2800 Tremont Road, Upper Arlington OH 43221

Refreshments: 1:30 PM Program: 2:00 to 4:00 PM

Co-sponsored by the Franklin County Chapter of the Ohio Society of Professional Engineers [OSPE], Chinese American Association of Central Ohio [CAACO], and open to Members of Organization of Chinese Americans [OCA], among others. Participants are urged to bring a few Ticker Symbols of Interest for Review and Comparison of Performance.

ABSTRACT: To make, or lose, money in the stock market involves three components:

What to buy, When to buy and When to sell. These and the following topics will be presented.

The roles of Politics, Macro/micro-economics, Fiscal and Monetary policies.

Capitalizing on Technical Analyses following the Fundamental Analyses.

Criteria for Fundamental Analyses, Long & Short Funds, Diversification: Assets Allocation, Investment Allocation, Long-term & Short-term Investments,

The relative desirability of owning company Common Shares, Mutual Funds, and Exchange Traded Funds [ETFs], Bonds and Bond Funds, Gold & Silver.

Concepts and tools, such as the 50-day, 200-day Moving Averages, Golden Cross, Death Cross, Moving Average Convergence Divergence [MACD], Stochastic, Trading Volume, Stop Losses – Fixed amount and Trailing. Sample portfolio holdings requiring different levels of due diligence and attention.

“Real time” market interfacing will be made for clarifying the material.

It’s hoped that the participants would leave the meeting with a sense to try “one’s luck”, if he/she has not tried it before.

However, only try it with fake, not real, money, especially in the beginning.

Biography: Tai C. Wong is an engineer-turned investor, after retiring from American Electric Power (AEP). In his investment adventure, he listens to everyone, except himself. Also, he pays little attention to what he is buying. Yet, his investment result is quite impressive. More formally, Tai received the B.S.E.E., M.S.E.E. and M.B.A. degrees from the University of Washington, Ohio State University and New York University respectively. He also graduated from the General Electric -- Advanced Engineering Course and the University of Michigan Executive Training Program. Before retiring from AEP, he was Manager -- Regional Planning. After Tai has completed bench marking 10 Fortune-500 companies, the AEP Corporate Technology Development Department was created. He has published numerous technical papers, was an instructor of Power System Short Courses at the Ohio State University and has lectured at the Ohio University, Youngstown State University, West Virginia University, Tsinghua University, and the Electric Power Research Institute (Beijing). He is a registered Professional Engineer in Ohio and New York. Tai, a Senior Member of the IEEE, is a past member of the Governing Board of the Power & Energy Society (PES), past Chairman of the PES’s Distinguished Lecturer Program and General Chairman of two IEEE-PES Winter Meetings, as well as the ESMO and PICA Conferences, each with an international attendance of some 2,500 participants. Currently, he is also a Board member of CURE -- Nationwide Children Hospital, Columbus, OH.

**Please RSVP to Tai C. Wong at taicwong@hotmail.com
by March 10, 2014 for attendance. Seating is limited to 100.**

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are interested please email **Joe Sullivan** (joe.sullivan@stantec.com).

Also, the Ohio Engineering & Surveying Certificate Ceremony is the morning of Saturday, March 15, 2014 at the Ohio Statehouse Atrium. There is a need for FCC/OSPE Members to help at the registration table, the membership table or be present to greet the newly registered PEs or EIs. If you want to volunteer email **Holly Ross** (pr@ohioengineer.com).

The Imagine Engineering second grade coloring contest is in full swing. We had more schools signed up this year than the previous year. If you have not been involved yet come to the next board meeting and help pick the winners of the FCC area.

Also on March 15, 2014, FCC/OSPE is a cosponsor with Columbus Section of IEEE of a "Stock Market Investment Program" being presented by Tai Wong, PE. See information about the program in this publication.

We also have an excellent program on March 20, 2014 be presented at Worthington Hills Country Club, the "I70/I71 South Interbelt Study-Project 2 East Interchange". Be sure to see this announcement on page 1.

Finally the Chapter wants congratulate the individuals and teams that competed in the Regional MATHCOUNTS competition on February 15.

February 16-22, 2014 was National Engineers Week. The theme this year is "Let's make a difference." There were several events taking place in Columbus to celebrate Engineers Week, including the E-Week Luncheon. This year's speaker for the luncheon was Mark C. McCullough Executive Vice President – Generation American Electric Power.



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FCC REGIONAL MATHCOUNTS COMPETITION RESULTS

The Regional MathCounts Competition was held on Saturday February 15 at Columbus State Community College. There were 43 schools and 330 students participating.

The top five teams and team members advance to the State MATHCounts competition. They are shown below:

#1 Dublin Henry Karrer Middle School

Raymond Chen
Heemin Yang
Andrei Roman
Thomas Zhang

#2 The Wellington School

Kolapo Dairo
Grace Tian
Rohit Vallabhaneni
Yan Randy

#3 Dublin John Sells Middle School

Alan Ding
James Bartman
Selena Ding
Anand Sneha

#4 Dublin Davis Middle School

Josh Kim
Sanjay Medicheria
Daniel Woo
Andrew Zhang

#5 New Albany Middle School

Andy Zhang
Nishant Chittari
Drew Fischer
Rohith Paidikondala

Countdown Round Winners

1st - Joshua Ku - Olentangy Orange
2nd - Josh Kim - Dublin Davis
3rd - Andrei Roman - Dublin Karrer
4th - Alan Ding - John Sells

Top Scoring Individuals not on a Team that move on to State MATHCounts competition.

Gordan Liu - McCord
Sounak Day - Phoenix
Saarthak Guar - Olentangy Hyatts
Joshua Ku - Olentangy Orange
Alex Fu - Dublin Karrer
Eric Menq - Columbus Academy
Sean Yu - Dublin Karrer
Varshini Guhan - Olentangy Hyatts
Adam Wang - New Albany
Ved Sampath -Sampath Homeschool

Below are pictures of three of the Winning Teams.



Top Scoring Individuals

Raymond Chen - Karrer
Randy Yan - Wellington
Josh Kim - Dublin Davis
Alan Ding - John Sells

FCC AUXILIARY MARCH EVENT

The Auxiliary to the Franklin County Chapter of OSPE will meet on March 18, at the Hilliard Presbyterian Church, 3600 Leap Rd. in Hilliard. The women of the church have planned to serve a delicious lunch at noon. The AAUW Women's Chorus under the direction of Laurie Hagerman will entertain.

Joanne Troy is to give the invocation and lead the pledge of allegiance, and Jane Smith is to be hostess. Prospective members and guests are always welcome Contact Jean Mitchell at 262-7071 for reseervations.

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Contact: Franklin County Chapter, P.O. Box 69,
Reynoldsburg, OH 43068-0069 or
Email: OSPEFCC@aol.com

Ohio Natal Date – March 1st

Most people know that Ohio was the 17th State in the Union. They may also know that Edward Tiffin was the first governor of Ohio, although many may think that it was Thomas Worthington. If you asked anyone, they would quote 4th of July as the entry date. No they are wrong.

On March 1, 1803, the General Assembly met for the first time in Chillicothe, which had been designated Ohio's first capital. Under the provisions of Ohio's first constitution, ratified three months earlier, the newly-elected legislators, 14 in the Senate and 30 in the House, began implementing the government of Ohio. They selected Chillicothe's founder, Nathaniel Massie, as Speaker of the Senate and Michael Baldwin as Speaker of the House. Both men were from Chillicothe.

Thus March 1, 1803 has been accepted as Ohio's birthday. However, because of a couple of technicalities, Ohio's official entry into the Union has been questioned and several alternative dates have been suggested. In April, 1902, the 75th General Assembly passed a resolution establishing March 1, 1803, as "Ohio's Natal Date."

As a sidelight ,during the first sessions of the General Assembly, legislators dealt with issues familiar to today's citizens of the Buckeye state -- taxes, education and crime, as well as establishing bounties on panthers and wolves.

Other tidbits: "Ohio" comes from the Iroquois, "Ohi-jo" word meaning "great river". Chillicothe meant the major village of the Shawnees, wherever they settled, and so there are several towns with the name Chillicothe in other states.

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FIRST CLASS

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

2013-14 CALENDAR

Mar. 8	8:30 a.m. - 3:00 p.m.	State Mathcounts Competition (FCC volunteers)
Mar. 11	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Mar. 14	5:00 p.m.	Deadline for April <i>Columbus Engineer</i>
Mar. 15		District Science Day
Mar. 15		Spring Certificate Ceremony (OSPE) State House Atrium
Mar. 15	2:00 p.m.	Stock Market Investment by Tai C. Wong (Joint Meeting with IEEE Columbus Section)
Mar. 20	Noon	Program: "I70/I71 Interchange" - Worthington Hills Country Club
Apr. 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus Engineer</i>
Apr. 17	Noon	Program: "Legislation and the Impact on Professional Engineers"
May 12	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
May 16	5:00 p.m.	Deadline for June <i>Columbus Engineer</i>
May ??	6:30 p.m.	Annual Spring Banquet / Officer Installation