



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

President's Message

by Kevin Ernst, P.E. - FCC President



Greetings once again! We're the home stretch of the Chapter's 2016 – 2017 activities. Thanks to all who joined our March luncheon; and to Kyle Shalek, Ph.D. of Terracon Consultants who provided a very informative

presentation on geophysical testing methods. This month's chapter luncheon is scheduled for April 20th at the "Center of Automotive Research" at 930 Kinnear

Road, on the OSU campus. Our speaker is Professor Giorgio Rizzoli, OSU Mechanical and Electrical Engineering, who heads up the electrical car research. The presentation will be about the "Buckeye Bullet" the fastest automobile powered by electrical motors. It set the speed limit at the Salt Flats last summer! Several engineering students from OSU student chapter of NSPE/OSPE will also be attending, so please join us. It's also time to elect the chapter's officers for the 2017 – 2018 year. The ballot and candidate information will be mailed separately from the newsletter.

OSPE-FCC April Luncheon Program

Date: Thursday April 20, 2017

Place: Auto Research Center
930 Kinnear Rd., Columbus, OH
(See page 2 for Parking Lot Location)

Note: Location is different than previous meetings

Time: Registration: 11:30 am

Lunch: 11:45 am, Hot Buffet Lunch

Speaker: 12:10 pm

Cost: Members: \$20.00 & Non-Members: \$30.00.

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

Please register early. Due to the location of the presentation, there is a limit of the number of members that can attend. Student members of the OSU Student Chapter are invited. They should register with Kevin Monroe, EI, krmonroe@HNTB.com.

TOPIC: BUCKEYE BULLET

For this presentation, Dr. Rizzoni will discuss the development of the Buckeye Bullet, the fastest electric propelled vehicle. Dr. Rizzoni will discuss the prospects of the electric vehicle in the coming years. After the presentation, the members will tour the OSU

car facilities in groups of around 20 where the Buckeye Bullet is housed. In addition, the members may walk pass other student auto projects.



PRESENTER: Giorgio Rizzoni, director, Center for Automotive Research

Giorgio Rizzoni is a professor at The Ohio State University in the Departments of Mechanical and Aerospace Engineering, and Electrical and Computer Engineering, and is the director of the Center for Automotive Research. He received bachelor, masters



(Luncheon Program continued from Page 1.)

and doctorate degrees in electrical and computer engineering from the University of Michigan in 1980, 1982 and 1986, respectively.

Rizzoni's research interests are in energy and transportation systems, with special interest in alternative fuels and future ground vehicle propulsion systems, including: advanced engines; electric and hybrid-electric drivetrains; energy storage systems; and hydrogen fuel cell systems. He has contributed to the development of a graduate curriculum in these areas, and has served as the director of three U.S. Department of Energy Graduate Automotive Technology Education Centers of Excellence at Ohio State.

Since 1999, Rizzoni has been responsible for the growth of an automotive industry research consortium with sponsorship from twenty automotive manufacturers, suppliers and government agencies. In 2008 he launched a consortium of electric utilities and automotive original equipment manufacturers—SMART@CAR—to study issues related to plug-in electric and hybrid vehicles and the smart grid. The consortium sees the participation of some twelve electric utility and automotive companies.

Rizzoni is a Fellow of both Institute of Electrical and Electronics Engineers (IEEE) and Society of Automotive Engineers (SAE).

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



930 Kinnear Rd, - see arrows into parking lot

FCC Auxiliary April Meeting

The Auxiliary to the Franklin Co. Chapter of OSPE will meet for a noon luncheon on Tuesday, April 18, at La Scala Restaurant, 4199 W. Dublin-Granville Road, Dublin, Ohio 43017". Program: Ed Lentz speaking on "Columbus Update".

Jane Smith will give the invocation and lead the Pledge of Allegiance. June Gray is hostess. To make a reservation, call Jean Mitchell at 614-262-7071. Guest are always



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FCC Board and Imagine Engineering Volunteers

By Devon Seal, PE

We are wrapping up yet another successful year for Imagine Engineering. This year we reached over 1,400 students at 20 schools in our chapter area. From over 700 entries, this year’s winners were Katelyn Kosco of Bishop Fenwick in Zanesville (1st place), Kaydence Bowen of Licking Valley Elementary in Newark (2nd place), and Laela Colwell of North Union Elementary in Richwood (3rd place). Congratulations to the winners and thank you again to our dedicated volunteers. Without your time, expertise, and enthusiasm this program would not be what it is.

School Names	Students	
	Visited	Entries
Delaware Christian School	17	16
Green Elementary School	48	4
Hebron Elementary School	140	76
Mill Valley Elementary	75	69
Millcreek Elementary	40	3
North Union Elementary School	120	62
Scioto Darby Elementary	75	3
St Mary school	37	13
St. John’s Lutheran	32	31
St. Joseph Montessori School	22	11
Licking Valley Elementary	160	116
St. Vincent de Paul School	13	
Summit Road Elementary	100	31
Avery Elementary School	68	27
Duncan Falls Elementary	120	85
Dresden Elementary	65	36
Bishop Fenwick School	32	14
John McIntire	100	22
National Road	60	32
Zane Grey	110	59
TOTAL	1434	710

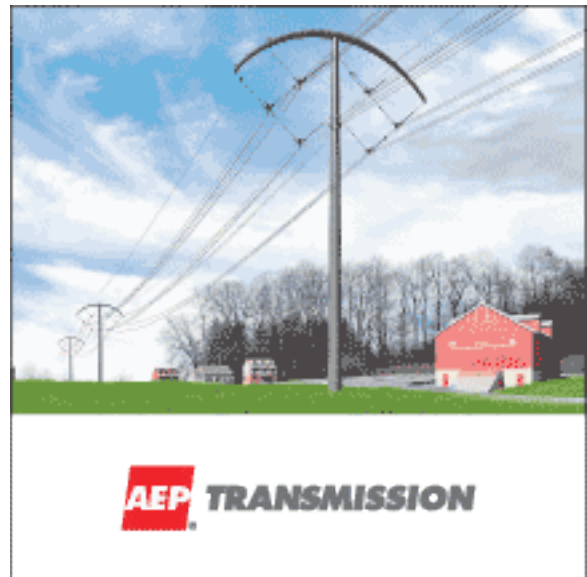


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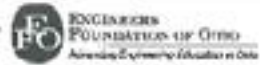
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Directions:

- 1) Print your name, your school's name, and your teacher's name here.
- 2) Think about what engineers do in your hometown.
- 3) Draw and color an original picture of engineers working.
- 4) Turn in your art to your teacher by the deadline announced in class.
Your teacher will need to return artwork to your Ohio Society of Professional Engineers' volunteer to his or her deadline.
- 5) We will notify the state's top three winners.

Thanks for participating, and HAVE FUN!

Prizes:

The 1st, 2nd and 3rd place statewide winners will win:

- 1st -- Telescope (\$200 value)
- 2nd -- Dig Scope Microscope (\$80 value)
- 3rd -- Math Share N4H Game (\$40 value)

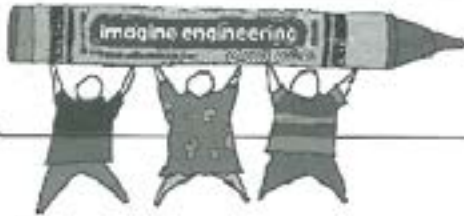
In addition, the 1st place winner will have his/her art and school photo published in OHIO ENGINEER magazine!

Name: Korleyn Kusec
 School and City: Bishop Fenwick, Zanesville OHIO
 Your Teacher's Name: Mrs. Wolfel

Top of Coloring



First Place Winner



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Directions:

- 1) Print your name, your school's name, and your teacher's name here.
- 2) Think about what engineers do in your hometown.
- 3) Draw and make an original picture of engineers working.
- 4) Turn in your art to your teacher by the deadline announced in class.
Your teacher will need to return artwork to your Ohio Society of Professional Engineers' volunteer by his or her deadline.
- 5) We will notify the state's top three winners.

Thanks for participating, and **HAVE FUN!**

Prizes:

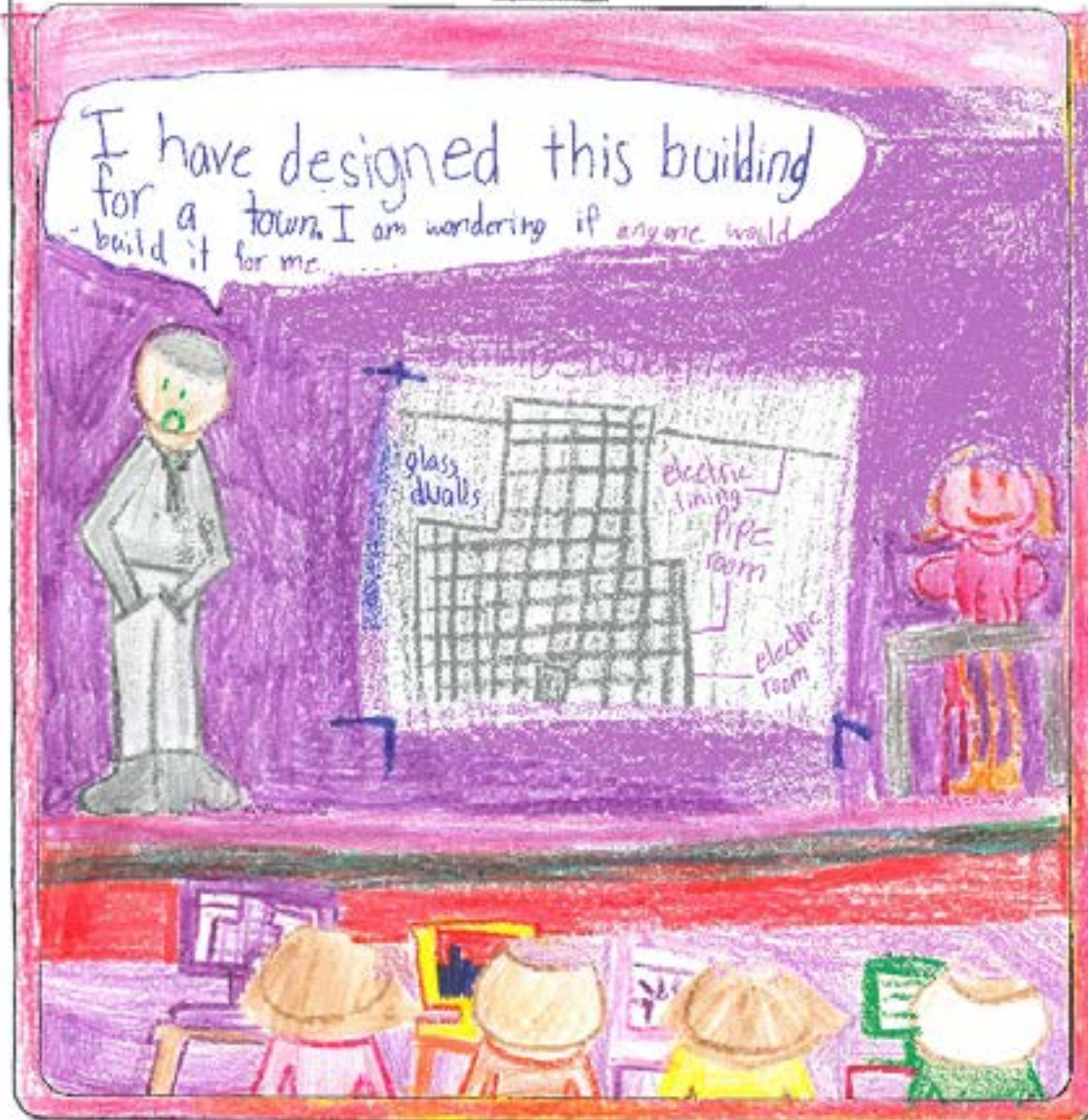
The 1st, 2nd and 3rd place statewide winners will win:

- 1st - Telescope (\$200 value)
- 2nd - Big Screen Microscope (\$60 value)
- 3rd - MathShark Skill Game (\$30 value)

In addition, the 1st place winner will have his/her art and school photo published in OSE's ENGINEER magazine!

Name: Loek Edruch
 School and City: North Union Rich Wood OH
 Your Teacher's Name: Mrs. Vigant

Top of Coloring



Third Place Winner

PROUDLY DISPLAY YOU ARE A PROFESSIONAL ENGINEER

Frame your license plate with a black frame and raised white letters. The frames are ideal gift for newly licensed Professional Engineers, or for a spouse, an associate, friend, son or daughter who is a Professional Engineer. This is also a great way to recognize the new Professional Engineer in your organization by presenting them with a Professional Engineer License Plate Frame.



These frames are available through the Franklin County Chapter of the Ohio Society of Professional Engineers, web site: www.fccospe.org/store/. Each frame requires a \$5.00 donation plus Shipping and Handling.



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Revised 1/26/2017

2016-17 CALENDAR

Apr. 11	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus</i>
Apr. 20	11:30a.m.	Program: "Buckeye Bullet"

May 9	5:30 p.m.	FCC Board Meeting @ Terracon Consultants, Inc.
May 16	5:00 p.m.	Deadline for June <i>Columbus Engineer</i>
May 18	11:30 a.m.	Chapter Officer Installation/ Awards Luncheon

July (TBA)		FCC Budget Meeting - Location to be announced
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Terracon Consultants, Inc. Address: 800 Morrison Road, Columbus, OH 43230

WHERE DO I GET MORE INFORMATION?

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OSPE-FCC WEBSITE	www.fccospe.org	
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