

# DAYTON SOCIETY OF PROFESSIONAL ENGINEERS

*DEDICATED TO THE PROMOTION OF THE PROFESSION OF ENGINEERING*



## THE DAYTON ENGINEER



VOLUME 8, ISSUE 2

FEBRUARY 2017

**National Cherry Month**  
National Freedom Day—1st  
Boy Scout Day—8th



*Dayton Chapter*

**Ohio Society of  
Professional Engineers**

*A state society of the National Society of Professional Engineers*

National Inventors' Day—11th  
Pistol Patent Day—25th  
No Brainer Day—27th

## JOB OPPORTUNITIES IN MONTGOMERY COUNTY

### Job Openings at Montgomery County Environmental Services

**Discipline:** Engineering/Project Management/Construction Management

**Your Opportunity:** Manages and/or assists in the planning, design, and construction of water and sewer infrastructure and water reclamation facilities to meet the organization's needs. The Engineer is responsible for managing projects, timelines, and budgets; preparing plans and specifications; construction management of projects in the annual capital program; and is functionally responsible for the people related to each project. Performs other duties of a similar nature as may be required.

**Your Capabilities and Credentials:** Credentials dependent on Position Level. Engineer 1 must have engineering degree within 8 months of hire. Engineer 2 must have completed undergraduate major program course work in engineering at an accredited school or college of Engineering. Engineer 3 must hold professional engineer registration in any state or territory of the U.S. and 2 to 4 years of experience required to obtain PE registration must be in utilities or construction management field. Engineer 4 must hold professional engineer registration in any state or territory of the U.S. and 4 years of experience as a professional engineer in related areas of utilities or construction management field.

Also, the City of Kettering has a open requisition for a design engineer/CAD position. Check their website for details.

**Contact:** Ed Schlaack, [SchlaackE@mcoho.org](mailto:SchlaackE@mcoho.org) or by phone at (937) 781-2632 (office).

— Jon Wheeler, P.E., DSPE Vice President



### In This Issue:

- **Upcoming Chapter Meetings**
- **MATHCOUNTS**
- **OSPE/DSPE Calendar**

We are expanding our distribution list, so if you are receiving this newsletter for the first time, welcome to our DSPE digital family! We hope you enjoy the newsletter and hope that you will communicate with us to let us know how we can make it better serve your needs. Are there timely items we should emphasize within our mission? Is there a particular topic area that we can pursue for your interest? Maybe some investigative cubby reporting? Licensure questions we can pursue with our State Board?

## UPCOMING CHAPTER MEETINGS

### FEBRUARY DSPE MEETING—9 FEBRUARY 2017

The February 2017 DSPE Chapter meeting will be on 9 February from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402. USAF Captain Naseem Ghandour, AFIT Civil Engineer School, will present “OSHA Construction Safety for Supervisors”. He will discuss the basics of OSHA and the top 4 OSHA ar-

eas and how to develop a safety program at your workplace.

A buffet lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1) Professional Development Hour (PDH). Those wishing to attend should make your reservations no later than Tuesday, 7 February

2017 with Ed Schlaack by email at [SchlaackE@mcoho.org](mailto:SchlaackE@mcoho.org) or by phone at (937) 781-2632 (office).



### MARCH DSPE MEETING—9 MARCH 2017

The March 2017 DSPE Chapter meeting will be on 9 March from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402. Mr. David R. Cole, P.S., Senior VP for Professional Services with So-Deep, will present an Overview of Subsurface Utility Engineering (SUE) for subsurface utility

location and mapping.

A buffet lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1) Professional Development Hour (PDH). Those wishing to attend should make your reservations no later than Tuesday, 7 March 2017 with Ed Schlaack by email at

[SchlaackE@mcoho.org](mailto:SchlaackE@mcoho.org) or by phone at (937) 781-2632 (office).



### APRIL DSPE MEETING—13 APRIL 2017

The April 2017 DSPE Chapter meeting will be on 13 April from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402.

Mr. Clifford Ursich, PE, President and Executive Director of Flexible Pavements of Ohio, will present a discussion on today's flexible

pavements and repair procedures.

A buffet lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1) Professional Development Hour (PDH). Those wishing to attend should make your reservations no later than Tuesday, 11 April 2017 with Ed Schlaack by email at

[SchlaackE@mcoho.org](mailto:SchlaackE@mcoho.org) or by phone at (937) 781-2632 (office).



## UPCOMING DSPE BOARD OF DIRECTORS MEETINGS

The next DSPE Board meeting will be on 14 February and 14 March 2017 from 5:15 to 6:30 PM at the Wright State University Engineering Dean's office conference room.

# THANKS TO MS. AIMEE PERGALSKY, EUCLID CHEMICAL

We wish to express our thanks to Ms. Aimee Pergalsky, National Business Development Manager with Euclid Chemical, who presented a discussion on concrete admixtures. Ms. Pergalsky about

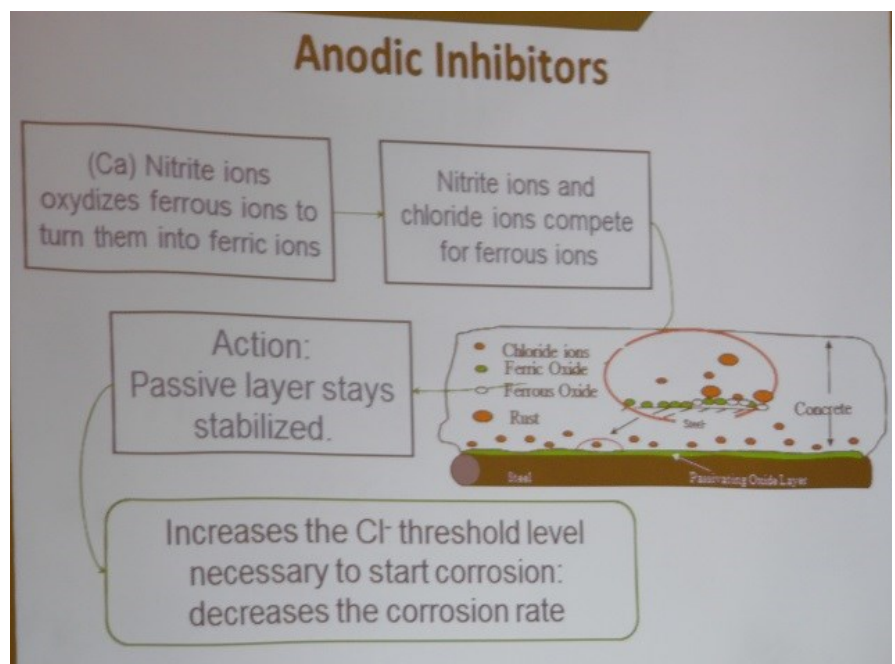
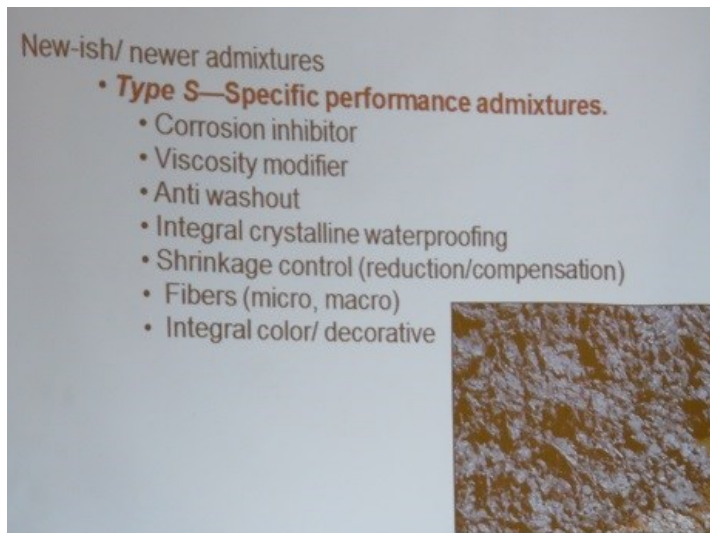
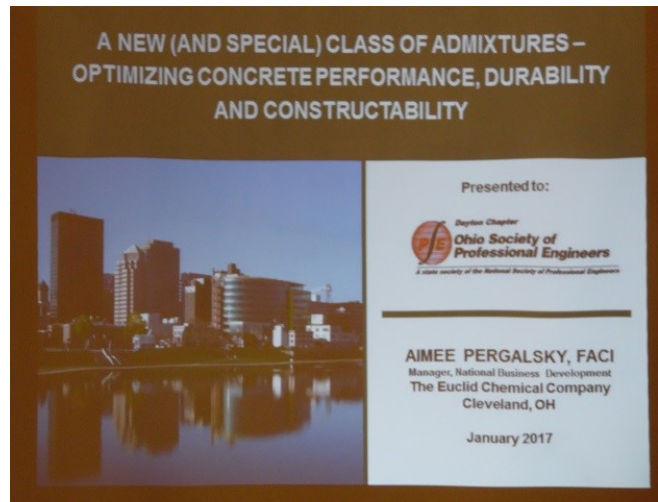


many admixtures, and highlighted a relatively new admixture called a Type-S—Specific Performance Admixtures that acted in a concrete mix to inhibit corrosion, modify the mix's viscosity, prevent wash-out, created a crystalline waterproofing, controlled shrinkage, add micro- and macro-fibers, and act as a decorative color agent.

She also described the way anodic inhibitors perform by creating a stabilized passive layer that decreases the corrosion rate.



**EUCLID CHEMICAL**



## MATHCOUNTS BY CHRIS BROWN

Plans for the 2017 Dayton Chapter MATHCOUNTS competition are underway and it won't be long before mathletes from middle schools around the region will be squaring off to find out who receives top honors and advances to the state competition.

The 2016 Dayton Chapter MATHCOUNTS competition hosted seventeen area middle schools with 127 6th, 7th and 8th grade Mathletes competing for top individual and team honors. We hope to grow the competition this year with more schools participating and more mathletes exploring their love of mathematics!

The competition consists of three official scoring rounds and the un-official Countdown Round. In the Sprint Round, students work individually to answer 30 questions in 40 minutes. In the Target Round, students work independently to answer four pairs of questions with only six minutes to answer each pair. The final competition is the Team Round where students work in teams of four to answer 10 questions in 20 minutes. The Countdown Round is a fast-paced round where the top twelve students face off head-to-head in a test of speed and accuracy. The Countdown Round is held for fun and does not determine the overall competition winner nor advancement to the State Competition.

The 2017 event will be held at the **University of Dayton** on **Saturday February 25th**. Volunteers are needed to help organize and prep the exam materials for the competition, helpers to administer the exams and scorers to grade. Volunteers don't need to be limited to DSPE members. Please share the call for volunteers with co-workers, friends, spouses or any of the local college engineering or math student organizations who may be interested in getting involved. It is a great way to support the DSPE chapter and help our future engineers and scientists develop their math skills.

We also need help getting the word out to the local middle schools about the MATHCOUNTS program. If you know a middle school (6th, 7th or 8th grade) math teacher or school administrator who may be interested in learning more about MATHCOUNTS, please point them to the DSPE Chapter MATHCOUNTS coordinator.

Finally, MATHCOUNTS can use your financial support. If you or your organization would like to make a donation to support MATHCOUNTS at either the state or local level, please contact the DSPE Coordinator. Your donation will go directly to support costs of the testing materials and other expenses such as lunch, student t-shirts and awards. All donors will be recognized at the MATHCOUNTS event.

For more information about MATHCOUNTS, to volunteer or donate, please contact the DSPE MATHCOUNTS coordinator, Chris Brown at [chris.brown@bwsc.net](mailto:chris.brown@bwsc.net) or 937.428.5234. Also visit the MATHCOUNTS website at [www.mathcounts.org](http://www.mathcounts.org)

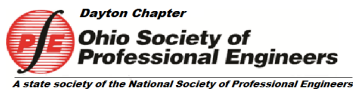
**MATHCOUNTS®**  
**FOUNDATION**

DAYTON CHAPTER—OHIO  
SOCIETY OF PROFESSIONAL  
ENGINEERS

4367 Sillman Pl.  
Kettering, OH 45440-1140

Phone: 937-225-6040  
Fax: 937-496-7441

WE'RE ON THE WEB!  
WWW.DSPE.ORG



OSPE is dedicated to the advancement of professional engineers in Ohio and is the single most powerful voice representing all disciplines within the engineering profession. The Dayton Society of Professional Engineers, is a chapter of the OSPE serving the local Dayton Region. DSPE aspires to conduct a monthly chapter luncheon meeting that will serve our members by providing an opportunity to come together to share professional experiences, to network, and to gain continuing professional development through interesting presentations on a variety of technical, management, and ethics topics on all engineering disciplines. **Is there anything you would like to see in the Newsletter? Please let me know: [jon.wheeler@yahoo.com](mailto:jon.wheeler@yahoo.com).**

— Jon Wheeler, P.E., DSPE Vice President, Newsletter Editor

## FINANCIAL CONTRIBUTIONS TO HELP MEET CHAPTER MISSION



Our chapter activities are focused on youth education and scholarships and include **2nd Grade Coloring Contest via ImagineEngineering**, and **Middle School MATHCOUNTS**. These are our Society's flagship events to bring to our youth an awareness of the value of science,

technology, and especially the engineering profession. It requires hands-on participation and financial contributions from our members, that's you and me. Your personal and corporate financial contributions are solicited through our Engineers Foundation of Ohio (EFO) to help us host these events on a local, state, and national level (except for the coloring contest). Please consider making a personal

contribution and soliciting from your company, if they have a community relations department. Contributions through EFO are fully tax-deductible. Please contact us for the tax ID number for your records. Even more important for the success of these events is your hands-on participation. Please contact a board member for opportunities.

## DSPE/OSPE/EFO CALENDAR

3-4 Feb	Engineer Leadership Institute: <i>The Engineer as Leader</i> , Columbus Airport Marriott
9 Feb	DSPE Chapter Meeting, Dayton Engineers Club
19-25 Feb	Engineers Week
25 Feb	Dayton MATHCOUNTS, University of Dayton; Volunteers Needed, See Chris Brown
11 Mar	Ohio MATHCOUNTS, Columbus State Community College, Check in 8:30 AM
15 Mar	Imagine Engineering Contest Entries due to EFO
17 Mar	EFO/OSPE Board and Committee Meetings
18 Mar	Ohio Engineering Certificate Ceremony, 10:00 AM, Ohio Statehouse Atrium
8 Apr	State Scholarship Grading
21 Apr	Committee Meetings, 9:00 AM