

DAYTON SOCIETY OF PROFESSIONAL ENGINEERS

DEDICATED TO THE PROMOTION OF THE PROFESSION OF ENGINEERING

THE DAYTON ENGINEER

VOLUME 10, ISSUE 1

JANUARY 2019

National Blood Donor Month

Festival of Sleep Day—3rd
Peculiar People Day—10th



Thesaurus Day—18th
Penguin Awareness Day—20th
Data Privacy Day—28th
National Puzzle Day—29th

THOUGHTS FROM THE CHAPTER OFFICERS

PLEASE KEEP IN MIND:

MATHCOUNTS is starting to gear up! Fourteen schools from our Dayton region will be competing for the opportunity to represent their school and our Chapter in the State Competition scheduled for March 9th, 2019 at Columbus State. One of our 2018 Mathletes (Alan Xie from Ankeney Middle School) made it all the way to National competition in Washington, DC. Congratulations to Alan and to Coach Erin O'Dell for their dedication to MATHCOUNTS and STEM!

The Dayton MATHCOUNTS event will take place on the

Saturday following Engineers' Week, 23 February, University of Dayton's Miriam Hall. Please contact Aurea Rivera (aurea.rivera@imarean.com) to express your interest in supporting this event. Volunteers are always welcomed!

We will be looking for volunteers to talk to 2nd graders for the **ImagineEngineering 2nd Grade Coloring Contest**, through February 28; please contact Jon Wheeler with your interest in participating. We still need one or two volunteers to go to Graham Elementary School, in St. Paris, to speak to the students there.

We missed many of you at the

2018 Christmas/Holiday Party at the Troll Pub at the Wheelhouse.

A good time was had by all!



—Jon Wheeler, PE, Chapter Secretary [Hey! That's the Troll up there...not me!]

EFO ENGINEER AS LEADER CONFERENCE, 1-2 FEBRUARY 2019

The **EFO Engineer as Leader Conference** will be held at the **Columbus Airport Marriott**, 1375 N. Cassady Avenue, Columbus, OH 43219, 9:00-5:00 Friday, 1 Feb. and 8:00-2:30 Saturday, 2 Feb, 2019. Participants can earn **10.5 CPD hours** by participating in the full, two-day event.

Mr. James G. Dalton will use case studies, as well as his own research on engineering leadership, to teach a systems approach to leadership. He will discuss traits and behaviors of effective leaders, how to develop leadership strategies, and management skills for the engineering leader.

Register by 4 January. [Register Here!](#)

For more information, contact: Mr. Travis Rhoades, P.E., *Engineers Foundation of Ohio* at (614) 223-1177, or toll free 1-800-654-9481, or email EFO@OhioEngineer.com.

The Engineers Leadership Institute presents:

The Engineer As Leader



JANUARY DSPE MEETING—10 JANUARY 2019

The January 2019 DSPE Chapter meeting will be on 10 January 2019 from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Enterprise, LLC, Dayton, OH 45402. Mr. Mark Evans, P.E., Esq., and Ms. Pramila Kamath of Bricker & Eckler LLP will speak on **“Key Legal Concepts for Ohio Engineers”**.

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, 8 January 2019 with Ed Schlaack by email at SchlaackE@mcoho.org or by

phone at (937) 781-2632 (office).



FEBRUARY DSPE MEETING—14 FEBRUARY 2019

The February 2019 DSPE Chapter meeting will be on 14 February from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402. Mr. Alex Yazdani, PE, with Sigma Technologies, will discuss **“Renewable Energy”**.

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, 12 February 2019

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



MARCH DSPE MEETING—14 MARCH 2019

The March 2019 DSPE Chapter meeting will be on 14 March from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402. Mr. Brandon Raybourne, CDM Smith, will discuss **“Using Bending Weirs for Combined Sewer Overflow Control”**.

Professional Development Hour (PDH).

Those wishing to attend should make your reservations no later than Tuesday, 12 February 2019 with Ed Schlaack by email at SchlaackE@mcoho.org or by phone at (937) 781-2632 (office).

A buffet lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1)



UPCOMING BOARD MEETING (JANUARY 2019 BOARD MEETING)

The next DSPE Board meeting will be held on 8 January, 2019, starting at 5:15 PM, in the Conference Room of the Dean’s office, Wright State University, School of Engineering and Computer Science.

All Chapter members are welcome and encouraged to attend and observe the process.



THANKS TO MESSRS. ROBERTS, SIEFRING, AND ERNST

We want to express our sincere thanks to Mr. Vic Roberts, P.E., with R.B. Jergens, Mr. Dan Ernst and Mr. Greg Siefring, P.E., with Ernst Concrete for their presentation at the December 2018 DSPE monthly meeting at the Dayton Engineers Club. These gentlemen spoke on the topics of “**Wet Cement Soil Stabilization**” and “**Full Depth Reclamation (FDR)**”. Pictured below (left to right) are: **Dan Ernst**, **Vic Roberts**, and **Greg Siefring**. The two methods discussed were presented as viable and relatively-speaking, economically competitive methods for working with deficient soils in road construction, with



applications for other applications, as well. Wet cement stabilization not only mixes well with soils to bring bearing capacities up to usable levels, but the wet application also eliminates the tremendous dust problems at a construction site, which invariable spill over to residential and commercial facilities on the periphery of the construction site.

Wet Cement Soil Stabilization and Full Depth Reclamation (FDR)

Presented to Dayton Society of
Professional Engineers

Presented by: Vic Roberts, PE., Greg
Siefring, PE., & Dan Ernst

December 13, 2018

R. B. JERGENS

Ernst
CONCRETE
DO WITH GREEN

Outline of Today's Presentation

- ▶ Cement Stabilization
- ▶ Soil cement stabilization methods
- ▶ Benefits of wet option versus dust option
- ▶ Spotlight Cement Stabilization Jobs
- ▶ Cement stabilization with FDR

DAYTON CHAPTER—
OHIO SOCIETY OF
PROFESSIONAL
ENGINEERS

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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 (DSPE) 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.

— Jon Wheeler, P.E., DSPE Secretary, Newsletter Editor

FINANCIAL CONTRIBUTIONS TO HELP MEET CHAPTER MISSION



Our chapter activities are focused on youth education and college scholarships and include (but are not limited to) **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

8 Jan	DSPE Board meeting, 5:15 PM Wright State Univ. Engineering Dean's Office
10 Jan	DSPE Monthly meeting, Dayton Engineers Club, 12:00 Noon
1-2 Feb	<i>EFO Engineer as Leader</i> Conference, Columbus Airport Marriott
12 Feb	DSPE Board meeting, 5:15 PM Wright State Univ Engineering Dean's Office
14 Feb	DSPE Monthly meeting, Dayton Engineers Club, 12:00 Noon
17-23 Feb	Engineers Week!
23 Feb	Dayton MATHCOUNTS, University of Dayton, Miriam Hall
9 Mar	Ohio MATHCOUNTS Competition, Columbus State Community College
12 Mar	DSPE Board meeting, 5:15 PM Wright State University Engineering Dean's Office
14 Mar	DSPE Monthly meeting, Dayton Engineers Club, 12:00 Noon
15 Mar	<i>ImagineEngineering</i> 2nd Grade Coloring Contest entries due to OSPE