

DAYTON SOCIETY OF PROFESSIONAL ENGINEERS

DEDICATED TO THE PROMOTION OF THE PROFESSION OF ENGINEERING

THE DAYTON ENGINEER

VOLUME 11, ISSUE 1

JANUARY 2020

National Blood Donor Month

Take the Stairs Day—8th
Peculiar People Day—10th



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

THOUGHTS FROM THE CHAPTER OFFICERS

From 2019 to 2020:

What did you think about when the New Year's Ball dropped?
How did you feel about 2019?
How do you feel about 2020?
New Year's resolutions are not all their cracked up to be, are they?
But then, they are not completely useless, either. My company requires all employees to survey their past year and comment on accomplishments, with respect to last year's goals. Then we look at our goals for next year; are they the same goals? Am I planning to move forward in my profession? In my personal life? In my spiritual life?

It's probably not my place to do

this, but I'm going to issue each of you a challenge...oh, nothing stupendous or necessarily earth shattering. But I challenge you to set a couple of goals for yourself to accomplish by the end of next year...earlier if you can.

Set a goal for the relationship between yourself and another person. Either begin that relationship, improve that relationship, or end that relationship. If the relationship is important to you, then begin or improve it; if it is toxic to you, then fix it or end it. Either way, work to improve your personal foundation for 2020.

Set a goal for your support within

your profession. Are you starting out as a student or you've just graduated? Find a good mentor and learn. School is over and the real learning starts now! Are you now well on your way in your profession? Find a mentor that will give your career broadening experience. Retired? How can you continue to give to your profession as well as your community?

It ain't over until you are looking at the bottom side of the grass!

—Jon Wheeler, PE, Chapter Secretary

2020 ALL OHIO ENGINEER CONFERENCE—HOSTED IN DAYTON!

This is a special appeal to our chapter members for volunteers for our 2020 All Ohio Engineer Conference, hosted in Dayton June 12-14, 2020.

We strongly need volunteers to help with the Registration Desk, Hospitality Room, Technical Speaker identification, Technical and Family Tour identification (OSPE will work all of the contracts and logistics, we just need to identify the tours), and

soliciting sponsors for the various elements of the conference.

Your company will also be able to capitalize on some premium advertising by sponsoring the various elements of the conference.

This is a very important event for the Dayton region, and especially for our DSPE Chapter, so your involvement is crucial for the conference's success.

Those wishing to volunteer for these committees should make your desires known to Aurea Rivera as soon as possible.

EFO ENGINEER AS LEADER CONFERENCE, 7-8 FEBRUARY 2020

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, 7 Feb. and 8:00-2:30 Saturday, 8 Feb, 2020. 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 3 January. [Register Here!](#)

For more information, contact: Mr. Chett Siefring, P.E., President, *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—9 JANUARY 2020

The January 2020 DSPE Chapter meeting will be on 9 January 2019 from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Enterprise, LLC, Dayton, OH 45402. Dr. Brian Kowal, P.E., will speak on “*Cyber Education Opportunities*”. Dr. Kowal will describe cyber attacks and how we should protect ourselves.

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) [Technical/Management].

Those wishing to attend should make your reservations no later than Tuesday, 7 January 2020 with Ed Schlaack by email at SchlaackE@mcoho.org or by phone at (937) 781-2632 (office).



FEBRUARY DSPE MEETING—13 FEBRUARY 2020

The February 2019 DSPE Chapter meeting will be on 13 February from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402. Speaker and topic are TBD.

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 February 2020 with Ed Schlaack by email at SchlaackE@mcoho.org or by

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

**YOUR COMPANY'S
LOGO COULD BE
HERE!**

UPCOMING BOARD MEETING (JANUARY 2020 BOARD MEETING)

The next DSPE Board meeting will be held on 14 January, 2020, 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 MR. MICHAEL CASTOR, YASKAWA AMERICA, INC.

We want to express our sincere thanks to Mr. Michael Castor, Product Manager for Material Handling and Collaborative Robots with Yaskawa America, Inc., Motoman Robotics Division, for his presentation at the December 2019 DSPE monthly meeting at the Dayton Engineers Club. Mr. Castor spoke on the topics of **“The State of Robotics in 2019”**. Mr. Castor described the evolution of robotics in the manufacturing industry. He identified the milestones in each new type of robot, with respect to the technical improvements inherent



Introduction

Yaskawa America

- Yaskawa founded in 1915
- Developed first robot in 1974 (Motoman L10)
- Founded Motoman Inc. in 1989 as a joint venture between Yaskawa Electric Corporation and Hobart Brothers
- In 2010, Motoman officially became Yaskawa America, Inc. Motoman Robotics Division (known today as Yaskawa America.)



The diagram shows a brown industrial motor on the left, enclosed in a white box. A blue arrow points from the motor to a large orange industrial robot arm on the right. The robot arm is a Motoman L10 model. The YASKAWA logo is in the bottom right corner of the slide.

DAYTON CHAPTER—
OHIO SOCIETY OF
PROFESSIONAL
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4367 Sillman Pl.
Kettering, OH 45440-1140



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

9 Jan	DSPE Monthly meeting, Dayton Engineers Club, 12:00 Noon
14 Jan	DSPE Board meeting, 5:15 PM Wright State Univ. Engineering Dean's Office
7-8 Feb	<i>EFO Engineer as Leader</i> Conference, Columbus Airport Marriott
11 Feb	DSPE Board meeting, 5:15 PM Wright State Univ Engineering Dean's Office
13 Feb	DSPE Monthly meeting, Dayton Engineers Club, 12:00 Noon
16-22 Feb	Engineers Week!
22 Feb	Dayton MATHCOUNTS , University of Dayton, Miriam Hall
7 Mar	Ohio MATHCOUNTS Competition, Columbus State Community College
10 Mar	DSPE Board meeting, 5:15 PM Wright State University Engineering Dean's Office
12 Mar	DSPE Monthly meeting, Dayton Engineers Club, 12:00 Noon
25 Mar	<i>ImagineEngineering</i> 2nd Grade Coloring Contest entries due to OSPE