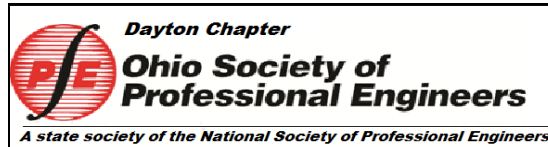


DAYTON SOCIETY OF PROFESSIONAL ENGINEERS

THE DAYTON ENGINEER

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PRESIDENT'S CORNER—WINN HOLCOMBE, P.E., VICE PRESIDENT

Welcome to the fiscal year for DSPE! Although this coming year's events may appear very similar to those of the last year, your Board of Directors are striving to develop a strategic plan designed to consider our Chapter of the future, say, five to ten years out. Our three mainstay programs, monthly luncheons, MATHCOUNTS, and Imagine Engineering, continue to be successful thanks to a lot of hard, behind the scenes, work by dedicated individual members which are always glad to receive a helping hand! To this end, let us all pause and give thought to our current role as members of the Society and how that role may emerge to achieve greater fulfillment, not only for us as individual professional engineers, but as a Society and our Chapter's role in the communities in which we reside and recreate. Please consider expanding your contributing role this year over the possibly more passive role during the last year by offering to present at one of the Chapter's luncheons, be a proctor, scorer, or other volunteer for one Saturday morning in February at MATHCOUNTS, or visit a second grade classroom with enthusiasm to display to young minds the vital role our profession plays in everyday life. As another election day has come and gone, please also be mindful of the potential role individual professional engineers may have in community policy and decision making by considering either elected or appointed office at the local, county, or state level. Let us all lead by example!

WORTH REPEATING—RECENT ARTICLE BY OSPE PRESIDENT IRWIN

[Courtesy OSPE Magazine, "Ohio Engineer"] In a recent article by Dennis Irwin, PhD, P.E., President of OSPE, in the *Ohio Engineer*, entitled "*What do we say to new engineering graduates?*", Mr. Irwin made a very profound statement. His suggestion rang a clear clarion call to all of us who have been licensed for quite some time and may have allowed our own personal motivation for our calling to slip back into our comfort zones, rather than reinvigorate our professional acuity more regularly. Mr. Irwin's comment focused the reader back to the legislative backbone that supports every licensed engineer.

Repeated in part, he answered the oft-heard question of why should I pursue licensure, by saying: "It's not because the Fundamentals of Engineering examination is hard, it's not because the experience requirement is so long, and it's not because the Principles and Practice examination is so hard. It's not even because once we are licensed, we subscribe to the Code of Ethics for Engineers and Surveyors... It is because of what that code says and implies about how we act as engineers" Furthermore, he continues: "So the next time an engineering grad asks you why she should become a PE, tell her it's because it puts the force of law behind their protection of the public, not because it's so hard to obtain." He concluded with a very insightful statement: "I have to believe that if the pressure to report is recognized as more significant than the pressure to cut corners, we will all be safer—and we'll have a more robust, and growing, profession."

Thank you, Mr. Irwin.

MATHCOUNTS 2016

MATHCOUNTS[®] FOUNDATION

Plans for the 2016 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 2015 Dayton Chapter MATHCOUNTS competition hosted eighteen area middle schools with 110 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 2016 event will be held at the University of Dayton on **Saturday February 20th**. Volunteers are needed to help organize and prep the exam materials for the competition, help 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 or 937.428.5234. Also visit the MATHCOUNTS website at www.mathcounts.org

TISP—CALL FOR PAPERS



The Infrastructure Security Partnership (TISP) Council, of Society of American Military Engineers (SAME) has issued a Call for Papers for the 2015 TISP Critical Infrastructure Symposium (CIS). The CIS will be held April 3-5, 2016 at the Charleston Marriott, Charleston, South Carolina.

Leaders from industry, government, and academia are invited to participate in the 2016 CIS by submitting an abstract of a presentation and/or paper. Now in the seventh year, CIS continues to showcase innovative research and best practices, and explore new challenges for building a more resilient and sustainable infrastructure. The Symposium is a collaborative learning community of students and professionals engaged in developing the next generation of critical infrastructure security and resilience leaders, technologies, strategies and solutions.

The 2016 CIS is built around the theme, “Resilience: An Infrastructure, Social and Economic Imperative.” The technical program will include 12 sessions, each with up to four presenters from inter-related disciplines across the resilience community. Topics sought include: Social and Economic Resilience, Design Philosophies for 22nd Century Design, Critical Infrastructure Security and Resilience Education, Impacts of 3D Printing on Infrastructure, Evolution of the 21st Century Terrorist Threat, Concurrent Hazards Analysis, Electrical Power Resilience, and Transportation Resilience. Authors are also encouraged to submit papers and presentations on their unique infrastructure research and projects.

Reference the following link for submittal instructions:

<http://portal.criticalimpact.com/vm2/c22647eb010982af/25620/9ff11b9add136647766b5d60522e6026>

ENGINEERING AND SCIENCE HALL OF FAME INDUCTION—5 NOV



Engineering and Science Hall of Fame

The 2015 Engineering and Science Hall of Fame Induction Ceremony will be conducted on 5 November 2015 at the Engineer’s Club of Dayton. Three inductees will be enshrined at this ceremony: Alexander Graham Bell, Inventor of the Telephone;

John W. Lincoln, World leader in Aircraft Structural Technology; and Bradford Parkinson, Father of the Global Positioning Satellite System. The event includes a cash bar reception beginning at 6:00 PM, dinner at 7:00 PM, and the presentation of awards beginning at 8:00 PM, with comments from the inductees or their representatives.

Individual tickets are \$60 each. The Gold Circle Donor contribution of \$500 will include a table for 10 people and recognition in the event program. A contribution of \$1,000 will give the donor a table for 10 people plus a full-page color advertisement in the program. Of the registration fees, \$30 for each individual ticket is tax deductible supporting the ESHF Induction event, and \$200 of each table is tax deductible for the same cause. Register at www.eshalloffame.org.

The Engineer’s Club of Dayton is located at 110 East Monument Ave, Dayton, OH.

NOVEMBER DSPE MONTHLY CHAPTER MEETING—12 NOVEMBER



The November DSPE Chapter meeting will be on **12 November 2015** from 12:00 Noon to 1:30 PM at the Engineers Club of Dayton, 114 Monument Ave, Dayton, OH 45402. Mr. Kelly Kuyhbander, P.E., LEED AP with Strand Associates, Inc. will present, “Stormwater Management Strategies to Address Hydromodification”. The presentation concentrates on a holistic approach to storm water with an emphasis on maintaining stream integrity and preserving the banks and infrastructure located along or crossing the banks of the stream. Kelly may be joined by other professionals in storm water control.

The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive 1.0 PDH. The Engineer’s Club of Dayton is located at 110 East Monument Ave, Dayton, OH. Those wishing to attend should make your reservations **no later than Tuesday, 10 November 2015** with Ed Schlaack by email at SchlaackE@mcoho.org or by phone at (937) 781-2632 (office) or (937) 885-9633.

EFO CPD SEMINARS, 3 AND 4 DEC (2 LOCATIONS) (COURTESY EFO)



**ENGINEERS
FOUNDATION OF OHIO**

Advancing Engineering Education in Ohio

Earn 6.0 CPD hours in Cleveland OH on Thursday, 3 Dec or in Toledo OH on Friday, 4 Dec. EFO is hosting “Breaking the Chains: A Project Manager’s Guide to Innovation”.

Click on the link for your location of choice for registration and seminar details.

[Cleveland: DoubleTree, Independence OH](#)

[Toledo: Hilton Garden Inn Perrysburg OH](#)

DECEMBER DSPE MONTHLY CHAPTER MEETING—10 DECEMBER



The December 2015 DSPE Chapter meeting will be on **10 December 2015** from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 114 Monument Ave, Dayton, OH 45402. Mr. John Ballard, PhD, Lt. Col. USAF Retired, Professor at the Mount St. Joseph University, Cincinnati, will discuss keys to decoding the workplace. Dr. Ballard recently published a book entitled, “Decoding the Workplace”, wherein he presents 50 keys to help employers and employees alike to better understand aspects of organizations in which they work. The organization is a dynamic environment that is often filled with human behavior that may not be evident to the casual observer, but the understanding of which is often crucial to being successful. Dr. Ballard will select a few of these keys and expand upon them to help us better understand how to help our employees be more successful in our engineering firms and organizations.

Attendees will receive one (1) CPD for full attendance. A buffet will be served at noon with the presentation to follow. Please send your RSVP **no later than Tuesday, 8 December 2015** to Ed Schlaack by email at SchlaackE@mcoho.org or by phone at (937) 781-2632 (office) or (937) 885-9633.

ON THE CALENDAR: DSPE, EFO AND OSPE (COURTESY OSPE)

November 2015

- Nov **Imagine Engineering Begins**
- 5, 6 Nov **Fall EFO CPD Conference**
- 10 Nov **DSPE Board of Directors Meeting, Wright State University**
- 12 Nov **DSPE Chapter Meeting, Dayton Engineers Club**
- 13 Nov **Professional Development Awards Due**

December 2015

- 01 Dec **Star Chapter Recognition and Young Engineer of the Year Applications Due**
- 3, 4 Dec **EFO Dec CPD Seminar (2 Locations)**
- 04 Dec **OSPE Ethics and L&GA Committee//EFO Board of Trustees//OSPE Board of Directors Meetings**
- 05 Dec **Scholarship Grading Workshop**
- 08 Dec **DSPE Board Meeting, Wright State University**
- 10 Dec **Joint Investment Committee**
- 10 Dec **DSPE Chapter Meeting, Dayton Engineers Club**
- XX Dec **DSPE Chapter Christmas Party, TBD**

EXERCISE CAUTION WITH CPD OPPORTUNITIES (COURTESY OSPE)

Mr. Dennis Irwin, PhD, P.E., President of OSPE, recently sent out the following:

“Guard Your PE License Against False Claims”

“It has been brought to our attention that some companies are soliciting Ohio's professional engineers for CPD/PDH education credits and claiming that the Ohio State Board of Registration for Professional Engineers and Surveyors has approved their programs (i.e. "State Board Approved"). This advertising is false and deceptive because it makes claims that are not in accordance with state law. For Ohio licensees, the State Board of Registration determines the acceptance of individual courses for CPD credit. The State Board of Registration does not pre-approve any courses or course providers. I strongly recommend that Ohio-licensed PEs obtain their CPD hours from organizations with which they are familiar and comfortable (i.e., organizations that understand the requirements of the law and rules).”

Thank you!

Sincerely,

Dennis Irwin, PhD, PE, President

2015-2016 DSPE CHAPTER OFFICERS AND DIRECTORS

The following list represents the 2015-2016 officers and directors for your Dayton Chapter of OSPE:

Officers:

President: Steve Schultz, P.E., P.S.,
Vice-President: Winn Holcombe, P.E.
Secretary: Ken Hemmelgarn, P.E.
Treasurer: Joseph Pokorski, P.E.
State Director: James Montgomery, P.E.
Past President: Vanessa Glotfelter, P.E.
MATHCOUNTS: Chris Brown, P.E.

Directors:

Director: Paul Gruner, P.E., P.S. (2nd of 2-yr term)
Director: Richard Henry, PhD, P.E. (2nd of 2-yr term)
Director: Aurea Rivera, P.E. (1st of 2-yr term)
Director: Taylor Van Vliet, E.I. (1st of 2-yr term)
Director: Jon Wheeler, P.E. (2nd of 2-yr term)
Director: Open Position (1st of 2-yr term)
ImagineEngineering: Vanessa Glotfelter, P.E.

OSPE WEIGHS IN ON THREE BILLS IN SEPTEMBER (COURTESY OSPE)

[Courtesy: *OSPE*] The Ohio Society of Professional Engineers (OSPE) Board of Directors voted, at its September 2015 meeting, to support two pieces of legislation and oppose a third.

OSPE voted to support **Senate Joint Resolution 3, Infrastructure Bonds** (Shiavoni, J) to enact Section 2 of Article VIII of the Ohio Constitution to permit the issuance of general obligation bonds to fund sewer and water capital improvements.

OSPE voted to support House Bill 304, Water Reservoirs (Leland, D) to eliminate law authorizing the maintenance of buffers around municipal water reservoirs by contiguous property owners. Am 743.50.

OSPE voted to oppose House Bill 56, Criminal Records (Schuring, K.) to limit the use of criminal records in the hiring and employment practices of public employers. Am 124.11, 124.25, 124.26, 124.34, 329.01, 4121.121, 5123.08, and 5139.02, and to enact section 9.73.

OSPE's Legislative and Government Affairs Committee will submit testimony to the appropriate committees within the Ohio General Assembly.

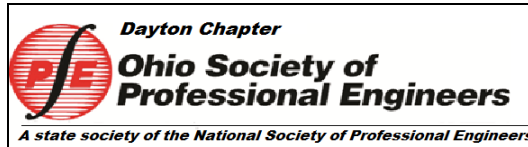


DAYTON CHAPTER—OHIO
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WE'RE ON THE WEB!
WWW.DSPE.ORG



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 Area. DSPE aspires to conduct a monthly chapter luncheon meeting that will serve our membership 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.

Newsletter Editor: Jon A. Wheeler, P.E.

FINANCIAL CONTRIBUTIONS TO HELP MEET CHAPTER MISSION



Our chapter activities are focused on youth education and scholarships and include 2nd Grade Coloring Contest via *Imagine Engineering*, 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. But they do not happen on their own. 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 BOARD MEETINGS: 10 NOVEMBER AND 8 DECEMBER 2015

The November and December DSPE Board of Directors meetings are scheduled for 10 November and 8 December, respectively, beginning at 5:15PM, in the Conference Room of the Office of the Dean for Engineering and Computer Science at Wright State University.

DSPE BOARD OF DIRECTORS NEEDS A VOLUNTEER DIRECTOR

Would you like to make a difference for our profession? The DSPE Board of Directors is looking for a volunteer to step up and take a Director position for the 2015-2016 and 2016-2017 chapter years. If interested, please contact Steve Schultz, steve.schultz@bwsc.net or call 937.428.5237 for more information.