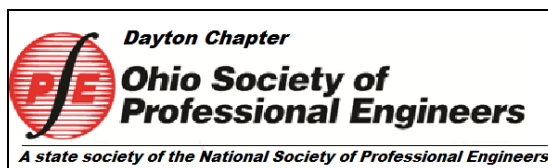


DAYTON SOCIETY OF PROFESSIONAL ENGINEERS

THE DAYTON ENGINEER

VOLUME 6, ISSUE 5

SEPTEMBER/OCTOBER 2015



SEPTEMBER DSPE MONTHLY CHAPTER MEETING—VENUE CHANGE!

The September DSPE Chapter meeting will be on **10 Sept 2015** from 11:30 AM to 2:00 PM at the **Twin Base Golf Course Clubhouse, just off Rte 444, on WPAFB**. This month's topic will be, "Annual Legislative Update". Various State Senators and Representatives will answer questions about current state bills under review (see pg 4). The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive 1.5 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, 8 September 2015** with Ed Schlaack by email at SchlaackE@mcOhio.org or by phone at (937) 781-2632 (office) or (937) 885-9633.

OCTOBER DSPE MONTHLY CHAPTER MEETING



The October 2015 DSPE Chapter meeting will be on **8 October 2015** from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 114 Monument Ave, Dayton, OH 45402. Mr. John Greenhalge, Executive Director, Ohio Board of Registration for

Professional Engineers and Professional Surveyors, will discuss Professional Ethics. 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, 6 October 2015** to Ed Schlaack by email at SchlaackE@mcOhio.org or by phone at (937) 781-2632 (office) or (937) 885-9633.

DSPE BOARD MEETINGS: 8 SEPTEMBER AND 13 OCTOBER 2015

The September and October DSPE Board of Directors meetings are scheduled for 8 September and 13 October, 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.

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.

NSPE STANDS UP WEBPAGE TO HIGHLIGHT PE LEGISLATORS

[Courtesy: *NSPE*] NSPE has produced a webpage on the NSPE.org website to highlight PE legislators, particularly at the state level. Among the first state legislator highlighted is Our own Ohio State House Representative, the Honorable Louis Blessing, III, P.E., Republican for District 29. In the article, Representative Blessing made some interesting discussion points about the importance of staying connected to the community, fundraising, and working well with others. He also commented on computerized FE and PE exam testing, as well as continuing education requirements. He briefly described the importance of professional licensure and its message to the public. He also encouraged any PEs aspiring to political service to focus on local offices to build a “name ID” as well as a strong fundraising base, and for those who do not aspire to political service but still want to be involved in the decision-making processes, participate in town hall meetings and correspond regularly with your representative legislators.

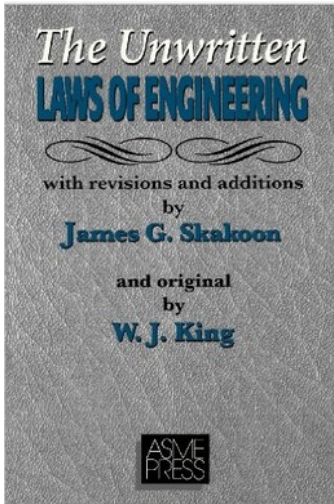
Other legislators highlighted in this article include,

- Representative Lake Ray, P.E., District 12, Florida House;
- Representative Wayne Smith, P.E., District 128, Texas House;
- Senator Clyde Chambliss, P.E., District 30, Alabama Senate;
- Senator Jim Halligan, P.E., District 21, Oklahoma Senate;
- Representative Dennis Paul, P.E., District 129, Texas House; and
- Senator David Omdahl, P.E., District 11, South Dakota Senate.

[<http://www.nspe.org/resources/issues-and-advocacy/pe-legislators>]



BOOK REVIEW: “THE UNWRITTEN LAWS OF ENGINEERING”: JAMES SKAKOON



[Courtesy: Amazon.com]. "This fully revised and updated edition of the 1944 classic serves as a crucial compilation of 'house rules' or a professional code. This new edition keeps the style of the original and much of its content. Changes reflect shifted societal values, changed employment laws and evolved corporate structures. Packed with contemporary examples, this new volume is a must for those entering the engineering field or for those interested in improving their professional effectiveness."

Review by Ronald George: "Inventor and engineer James Skakoon has done the profession of engineering a great service by delivering some immutable codes of the engineering profession. Somewhere in this book, the naked truth is mentioned - a number of empirical studies of on-the-job excellence have clearly and repeatedly established that communication, interpersonal skills etc play a larger role in superior job performance than just being a scholar in technical details. Yet, most of the university and school emphasis is precisely in the latter area. This book bridges the gap by offering a glimpse at the "soft" skills', gathered from engineering experience. The rules are not wordy and there certainly are no page length case studies with each. But the short, clear statements will at least make you cognizant of these interpersonal relationships and personal codes when carrying out day to day engineering decisions at the office. The book is also well suited for executives, who often forget that it is important to deal with subordinates in the "right" manner, regardless of distinct management styles. When the going gets tough, yes you may have to be a headache to everyone in the office but there needs to be a line that you cannot cross. I feel this is a golden book that must be used from time to time, not just read once and stuffed away in a drawer somewhere for dust to collect."

DID YOU KNOW: ENGINEERING VIDEO GAMES ARE IN!

[Courtesy: PE Magazine] In the current issue of the PE Magazine, Matthew McLaughlin describes a number of engineering-based video games that are either in development or are commercially available. He asserts that, "Video games may be the opportunity for better public understanding and education the profession has been waiting for."

He continues, "The engineering profession has for decades been asking itself how it can improve public understanding of what engineers do, provide better engineering education to grade school students, and get those same students excited about careers in engineering. Played regularly by 155 million Americans, according to the Entertainment Software Association, video games could be the best answer yet."

McLaughlin concludes his article with, "The opportunity is there. It's really up to professionals who want to tell their stories to make video games work for them. 'Having technology be more ubiquitous in our schools really has the potential to be one of the most transformational moments in the history of education,' says Office of Educational Technology Director [Richard] Culatta. 'But that largely depends on what we do with it, and all of us...coming together and thinking about how to take advantage of this.'"

Go to <https://www.nspe.org/playing-engineers> to read about the games mentioned in this article, including Trove, Poly Bridge, Medieval Engineers, SimCity, and Space Engineers.

OHIO LEGISLATIVE UPDATE [COURTESY: THE OHIO ENGINEER]

LEGISLATIVE & GOVERNMENT AFFAIRS UPDATE

OSPE tracks bills in 131st Ohio General Assembly

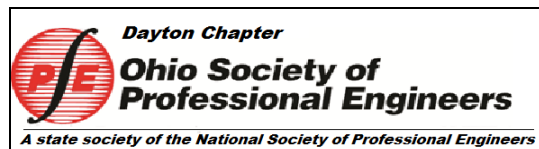
OIL & GAS LAW, House Bill 8 (Hagan)	To revise provisions in the Oil & Gas Law governing unit operation, including requiring unit operation of land for which the DoT owns the mineral rights & to specify that the discounted cash flow formula used to value certain producing oil & gas reserves for property tax purposes is the only method for valuing all oil & gas reserves.	Status: Passed House (96-0), 3/18/15. 1st hearing in Senate Energy & Natural Resources, 4/14/15.
VOLUNTEER IMMUNITY, House Bill 17 (Blessing)	To provide civil immunity for architects, contractors, engineers, surveyors & tradespersons providing volunteer services during a declared emergency.	Status: Passed House (92-0), 2/25/15. 3rd hearing in Senate Civil Justice, 4/22/15. <i>OSPE supports.</i>
TRANSPORTATION BUDGET, House Bill 53 (Grossman)	To make appropriations for programs related to transportation & public safety for the biennium 7/1/15-6/30/17 & to provide authorization & conditions for the operation of those programs.	Status: Signed by Governor, 4/1/15.
CRIMINAL RECORDS, House Bill 56 (Schuring)	To limit the use of criminal records in the hiring & employment practices of public employers.	Status: Amended bill reported from House Commerce & Labor, 6/23/15.
BIENNIAL BUDGET, House Bill 64 (Smith)	To make operating appropriations for the biennium 7115-63017 & to provide authorization & conditions for the operation of state programs.	Status: Signed by Governor, 6/30/15.
SCHOOL BARRICADES, House Bill 114 (Roegner)	To require the Board of Building Standards to adopt rules for the use of a barricade device on a school door in an emergency situation and to prohibit the State Fire Code from prohibiting the use of the device in such a situation.	Status: Passed House, 6/24/15. Later this measure was added to budget bill, which was enacted. <i>OSPE opposes.</i>
PIPING MATERIALS, House Bill 214 (Thompson, A.)	To restrict when a public authority may preference a particular type of piping material for certain public improvements.	Status: 1st hearing in House Energy & Natural Resources, 6/9/15. <i>OSPE opposes.</i>
PROFESSIONAL ENGINEERS, House Bill 236 (Blessing, L.)	To require professional engineers to complete continuing professional development hours in professional ethics or rules relevant to engineering or surveying practices.	Status: 1st hearing in House Commerce & Labor, 6/23/15 (sponsor testimony). <i>OSPE supports.</i>
ALGAE CONTROL, a.k.a. "Clean Lake Erie Act," Senate Bill 1 (Gardner)	To transfer the Agricultural Pollution Abatement Program from the Dept of Natural Resources to the Dept of Agriculture, to require applicators of fertilizer or manure to comply with specified requirements, to create the Office of Harmful Algae Management & Response in the EPA, to establish requirements governing dredged material, nutrient loading, phosphorous testing by publicly owned treatment works & household sewage treatment systems, & to declare an emergency.	Status: Signed by Governor, 4/2/15.
TAX CREDITS, Senate Bill 12 (Hottinger)	To grant an income tax credit to individuals who earn degrees in STEM fields of study.	Status: Referred to Senate Ways & Means, 2/4/15. <i>OSPE supports.</i>
LAKE ERIE DISTRICT, Senate Bill 45 (Eklund)	To authorize the creation of a special improvement district to facilitate Lake Erie shoreline improvement.	Status: 2nd hearing in Senate Energy & Natural Resources, 3/17/15.
SEWAGE SYSTEMS, Senate Bill 58 (Peterson)	To authorize a property owner whose property is served by a household sewage treatment system to elect not to connect to a private sewerage system, a county sewer, or a regional sewerage system under specified conditions.	Status: Referred to Senate Energy & Natural Resources, 3/4/15.
HOUSEHOLD SEWAGE SYSTEMS, Senate Bill 118 (Eklund)	To authorize a board of county commissioners or municipal legislative authority to elect to withdraw the county or municipal corporation from the application of any rule adopted after 1/1/14, by the Dept of Health governing the design of household sewage treatment systems.	Status: 1st hearing in Senate Energy & Natural Resources, 6/23/15.
ENERGY PLAN, House Concurrent Resolution 9 (Baker)	To establish a sustainable energy abundance plan for Ohio to meet future Ohio energy needs with affordable, abundant and environmentally-friendly energy.	Status: Passed Senate, 6/17/15.

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.

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. 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.

ON THE CALENDAR: DSPE, EFO AND OSPE

September 2015

- 08 Sep** **DSPE Board of Directors Meeting, Wright State University**
- 10 Sep** **Joint DSPE Chapter/SAME Post Meeting, Twin Base Golf Course Clubhouse, WPAFB, Annual Legislative Update, starting 11:45AM**
- 24 Sep** **2015 EFO Benefit Golf Outing, Safari Golf Club, Powell, Ohio; call L. Steve Day at 614.223.1177 to register or get more information: Tee Time 11:30AM.**

October 2015

- 08 Oct** **DSPE Chapter Meeting, Dayton Engineers Club**
- 13 Oct** **DSPE Board Meeting, Wright State University**

"Engineering is not only the study of forty-five subjects but it is moral studies of intellectual life."
— Prikhar Srivastav