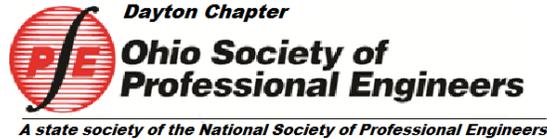


THE DAYTON ENGINEER

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01 NOVEMBER 2013



EFO ENGINEERS LEADERSHIP INSTITUTE: THE ENGINEER AS LEADER

[Courtesy EFO] EFO Engineers Leadership Institute will present “The Engineer as Leader” February 7-8 at the Columbus Airport Marriott. Mr. James G. Dalton will present case studies, short lectures, small-group discussions and self-analysis tools to teach a practical and proven approach to leadership and effective strategies for success. He gives engineers the tools to motivate and lead people—those essential business skills. Additionally, he will share the latest research on executive-level leadership. Moreover, Jim will share the results of his proprietary research on engineering values, which will be useful for gaining an important perspective on leading engineering teams. Register by Friday, January 10, go to: [ELI Registration](#), or call 614.223.1177.

NEXT DSPE BOARD MEETING—12 NOVEMBER 2013

The 12 November 2013 DSPE Board meeting will be held at WSU’s Russ Hall (College of Engineering and Computer Science) in the Dean’s office conference room, 4th floor, starting at 5:15 PM. All Chapter members are also invited to attend. For questions, please call Vanessa Glotfelter, 937.428.5248, or email: vanessa.glotfelter@bwsc.net.

EFO FALL CPD CONFERENCE— 7 AND 8 NOV 2013

Save the date, this year’s EFO Fall CPD Conference will be held 7&8 November 2013, at the Grand Oaks Business Center in Columbus, OH. This year’s Fall CPD Conference will be worth 15 CPDs for full attendance and participation. More information will be available soon. Please direct any questions to EFO at EFO@OhioEngineer.com, or phone 614.223.1177.

DSPE 14 NOVEMBER 2013 CHAPTER MEETING



Our 14 November chapter meeting will be held at the Engineers Club of Dayton, from 12:00 Noon until 2:00 PM. Mr. Eric Moody, P.S., Montgomery County Engineer’s office, will present “Montgomery County GIS Website for Engineers and Surveyors”, featuring a discussion of the development process for the website applications, the information available, and what is planned for the future. Attendees will receive 1.0 professional development hour for this meeting. The cost is \$20 for members, \$30 for nonmembers, and \$10 for students. Please phone your reservation by 12 November to Ed Schlaack, 937-781-2632, or email: schlaack@mcohio.org. A buffet luncheon will start at noon; program will follow. The Engineer’s Club of Dayton is located at 110 East Monument Ave, Dayton, OH.

UPCOMING OSPE CALENDAR EVENTS/DEADLINES

[Courtesy OSPE]

November

ImagineEngineering kicks off statewide.

EFO Fall CPD Conference in Columbus, 7-8 November 2013.

December

OSPE Ethics and LG&A Committee Meetings—6 December 2013 9AM, and 10AM, respectively.

EFO Board of Trustees Meeting—6 December 2013, 1PM.

OSPE Board of Directors Meeting—6 December 2013, 2PM.

Scholarship Committee Workshop—7 December 2013, OSPE/EFO Offices.

EFO December CPD Seminar—Cleveland, 9:00 to 4:00 9 December 2013, Sheraton Cleveland Airport.

February

National Engineers Week—Statewide, 16-22 February 2013.

Dayton Region MATHCOUNTS Competition—22 February 2013, Location TBD.

HEROES IN ENGINEERING—LILLIAN MOLLER GILBRETH, MAY 1878—JAN 1972

[Courtesy www.sdsc.edu] The Mother of Modern Management. Lillian Gilbreth was not only a mother; she



was an engineer and an industrial psychologist. She attended the University of California at Berkeley while living at home and maintaining her family duties. When she obtained her B.A. in Literature in 1900, she was the first woman to speak at a University of California commencement. Later, she also obtained a master's degree in literature there as well. She married Frank Gilbreth, and the two began their study of scientific management principles. In 1915, Lillian took her doctorate in psychology at Brown University. Where Frank was concerned with the technical aspects of worker efficiency, Lillian was concerned with the human aspects of time management. Their work helped create job standardization, incentive wage plans, and job simplification. She was among the first to recognize the effects of fatigue on time management. Lillian Gilbreth continued her work alone after Frank's death in 1924. In 1926, she became the first woman member of the American Society of Mechanical Engineers. In 1935, she became the first female professor in Purdue University's School of Engineering. She worked with GE and other firms to improve kitchen and household appliance design. In

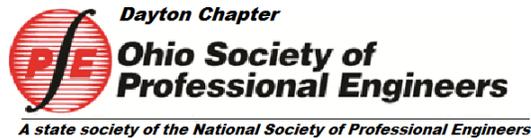
1966, she won the American Society of Civil Engineers' Hoover Medal. She died at the age of 92, the recipient of more than a dozen honorary degrees. Her ability to combine a career and family led to her title in the *American Monthly* in 1944, as "a genius in the art of living".

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



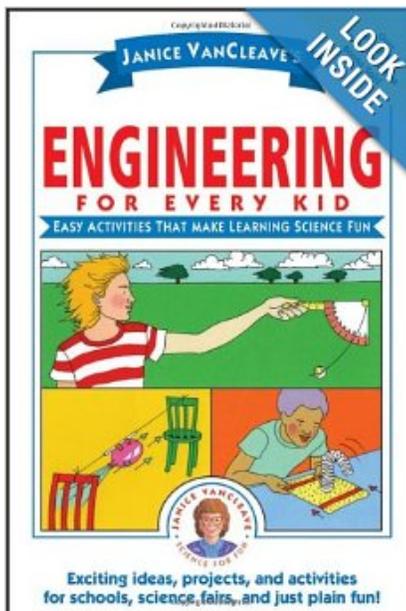
OSPE is dedicated to the advancement of professional engineers in Ohio and is the single most powerful voice representing all disciplines within the engineering profession. The Dayton Society of Professional Engineers, is a chapter of the OSPE serving the local Dayton Area. DSPE aspires to conduct a 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*, Middle School MATHCOUNTS, and High School TEAMS. 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.

BOOK REVIEW: "ENGINEERING FOR EVERY KID", BY JANICE VANCLEAVE



"How does a roller coaster car stay on the track when hurtling upside-down on a gigantic loop? Why does folding a piece of paper in an accordion shape make it stronger? What wing shape gives airplanes their lift? How do rockets blast off into space? Now you can discover the answers to these and many other fascinating questions about engineering for yourself with this fun-filled resource. Janice VanCleave's *Engineering for Every Kid* presents entertaining, challenging experiments and activities to help you understand the different types of engineering there are—including structural, solar, electrical, and chemical—and how each is applied to real world everyday situations. Each of these activities is broken down into its purpose, a list of easy-to-find materials, step-by-step instructions, expected results, and a simple scientific explanation. Plus, the book's 25 projects can easily be used in the classroom, as the basis of a science fair project, or at home just for fun! Janice VanCleave is a former secondary classroom teacher who has written more than 50 science and math books for kids and educators. Her books have been translated into more than fifteen languages.