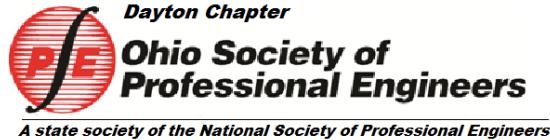


DAYTON SOCIETY OF PROFESSIONAL ENGINEERS

# THE DAYTON ENGINEER

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01 MARCH 2014



## FRITZ J. RUSS MEMORIAL SCHOLARSHIP FUND ESTABLISHED

The Dayton Chapter of the Ohio Society of Professional Engineers established the Fritz J. Russ Memorial Scholarship Fund in December 2007 at the Wright State University Foundation for an endowed engineering scholarship to be given annually to a promising engineering student at Wright State with a minimum of \$10,000 required to fully fund the scholarship. The Chapter is in the process of fully funding the scholarship and begin scholarship awards. The Russ Fund is also open for anyone to contribute toward supporting promising engineering students. If you would like to make a tax-deductible contribution, please send your contribution to: Wright State University, Office of Development, 3640 Colonel Glenn Highway, Dayton OH, 45435-0001, designated for #551009, the Fritz J. Russ Memorial Engineering Scholarship.

## DSPE MARCH 2014 BOARD MEETING—11 MARCH

The 11 March 2014 DSPE Board Meeting will be held from 5:15 to 6:30 PM at the Wright State University Engineering and Computer Science Dean's office conference room.

## DSPE ELECTIONS COMING SOON!

If you have an interest in serving on the DSPE Board of Directors to help provide leadership toward your chapter's goals and mission, please contact Vanessa Glotfelter at [Vanessa.glotfelter@bwsc.net](mailto:Vanessa.glotfelter@bwsc.net) or call 937.428.5428, No Later Than close of business on 12 March 2014. The election slate must be vetted and approved by the board of directors at the 9 April board meeting. Elections will be held in May 2014.

## DSPE 13 MARCH 2014 CHAPTER MEETING

Our 13 March chapter meeting will be held at the Engineers Club of Dayton, from 12:00 Noon until 1:30 PM. Ms. Marissa Snider, LEED AP BD+C, Sustainability and Energy Service Engineer for Heapy Engineering will present "LEED—Past and Future". Marissa will discuss the inception of LEED

certification, the new LEED regulations and things in between. Attendees will receive 1 professional development hour for this meeting. The cost is \$20 for members, \$30 for nonmembers, and \$10 for students. Please phone your reservation by 11 March to Ed Schlaack, 937-781-2632, or email: [schlaack@mcOhio.org](mailto: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

### March

10 March—ASHRAE Dayton Chapter will host a Mini-ASHRAE Product Show from 4:30 to 8:30 PM at the Sinclair Community College Ponitz Center (Bldg 12).

15 March—The Ohio Engineering and Surveying Certificate Ceremony will be held at 10:00 AM at the Ohio Statehouse in Columbus, OH.

### June

12-14 June, OSPE Spring CPD Conference will be held at the Park Inn Toledo, in Toledo, OH. Worth up to 12.5 CPDs for full participation. Special Event: EFO's 50th Anniversary Reception—details to come.

## UPCOMING EVENT: MINI-ASHRAE PRODUCT SHOW AND LECTURE

[Courtesy: ASHRAE Dayton Chapter] The ASHRAE Dayton Chapter is hosting a Mini-ASHRAE Product Show on Monday, March 10, 2014, from 4:30 to 8:30 PM at the Sinclair Community College Ponitz Center (Building 12). The primary goal of the mini-product show is to provide an opportunity for the various HVACR representatives to bring their “latest and greatest” equipment for review by the design and construction community. The mini-product show will also feature an ASHRAE Distinguished Lecturer, Mr. Lew Harriman, Director of Research at Mason-Grant Consulting, Portsmouth, NH. Mr. Harriman will present two lectures. The first will be from 5:00 to 6:30PM: “Diagnosing & Fixing Humidity Control Problems in Real-World Buildings—Tools, Techniques, Case Histories and Practical Solutions”. The second will be from 7:00 to 8:15PM: “Real-World Integrated Design—Case Histories of both Productive and Problematic Interactions Between Architectural Designs and HVAC Systems”. Three PDHs will be earned for attendance at both lectures. The mini-product show will start from 4:30 to 5:00 PM; Presentation 1 will be from 5:00 to 6:30 PM; the Product Show (including Hors D’oeuvres) will continue from 6:30 to 7:00 PM; and Presentation 2 will be from 7:00 to 8:30PM. The ASHRAE Mini-Product Show and Lecturers are free admission. Invited groups include the design and construction community, as well as state and local building officials.



## ENGINEERING TRIVIA—WHO KNEW?

[[www.RFCafe.com](http://www.RFCafe.com)] Around 4,000 Chicago homes have their cookers fueled by methane gas produced from cow dung, provided by the Calorific Recovery Anaerobic Process, Inc.

The world's deepest hole is an exploratory geological drilling in the Kola Peninsula, in northern Russia, known as the Kola Superdeep Borehole. In 1984 it was more than four-fifths of the way to its target depth of 15,000 m (49,000 ft). The project was stopped in 2005 because temperatures at depth were too hot for the equipment to handle (356F).

A fundamental law of economics may underlie the findings of a recent piece of research: calculations indicate that the amount of money spent on financing research into construction methods in Britain is approximately the same amount of money spent on providing tea for builders on construction sites.

A jumbo jet weighs as much as 76 African elephants. Despite this, elephants continue to be discriminated against in aviation law. It is forbidden, for example, to lead one's elephant through the approach tunnel of London's Heathrow Airport.

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



Dayton Chapter

**Ohio Society of  
Professional Engineers**

A state society of the National Society of Professional Engineers



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.

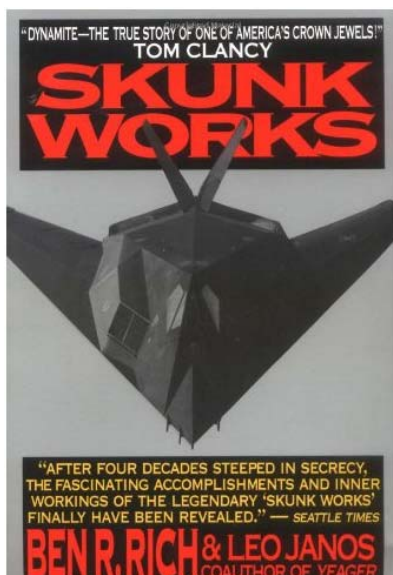
## FINANCIAL CONTRIBUTIONS TO HELP MEET CHAPTER MISSION



**Ohio Society of  
Professional Engineers**

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.

## BOOK REVIEW: "SKUNK WORKS\*", BY BEN R. RICH & LEO JANOS



[From <http://www.Amazon.com>] (\*A Personal Memoir of My Years of Lockheed") "From the development of the U-2 to the Stealth fighter, the never-before-told story behind America's high-stakes quest to dominate the skies Skunk Works is the true story of America's most secret and successful aerospace operation. As recounted by Ben Rich, the operation's brilliant boss for nearly two decades, the chronicle of Lockheed's legendary Skunk Works is a drama of cold war confrontations and Gulf War air combat, of extraordinary feats of engineering and human achievement against fantastic odds. Here are up-close portraits of the maverick band of scientists and engineers who made the Skunk Works so renowned. Filled with telling personal anecdotes and high adventure, with narratives from the CIA and from Air Force pilots who flew the many classified, risky missions, this book is a riveting portrait of the most spectacular aviation triumphs of the twentieth century."