



**ENGINEERS MAKE THINGS ... Industrial engineers make things better!**

**Monthly Newsletter**

**December 2011**

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Video: How a pencil is made

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Gold Award of Excellence '05, '06, '07, '08, '09, '10  
Silver Award of Excellence '02, '03, '04  
Most Improved Chapter of the Year '02  
Bronze Award of Excellence '01

## Hello to all Industrial Engineers and Friends of Industrial Engineers,

Welcome to our December newsletter. Wasn't Thanksgiving in the DC area great!

It is that time of year again. Please consider volunteering your time to our local industrial engineering organization. That would be us, we are the men and women, young and old, independent business people, government workers, retired and private sector workers who try to bring you the very best to support you in all your efforts. (Remarkably, we don't have any academics on our board, but we would like to have some.)

Requirements to serve on our board as a director are simple. You need to be willing to serve on our board. Technically, you must also be a senior level member of IIE in good standings with your membership.

The number of volunteers serving on our board positively influences our ability to bring you value added products and services. Also, the more volunteers we have the easier is the workload for everyone. We try to utilize small teams to get most of our projects completed. We work together so no one has too great of a load or expense of their time.

If elected to your board of directors, you will have the opportunity to get involved on many efforts that you will find interesting and invigorating. The key is to volunteer an amount of time that is acceptable for your personal situation. Work and family come first, but really getting involved and helping us accomplish a meaning service for our organization is a great and fun way to charge your energy levels.

Contact information for our executive officers and board members are located on our website. Give any of us a call or email to ask us any questions you have. If you are interested in serving on our board or want to nominate someone, please send me an email. In the subject line, please put "board election".

Our nomination period is December 1st through December 15th. Our election will be by electronic ballot and it will run from December 20th through December 30th. We will announce the results on the 31st of December. The board and our program year is the calendar year.

We have one board meeting per month. Occasionally, we will hold our board meeting by conference call. Attendance is not mandatory. However, the president is known for bringing great breakfast food.

Please consider, please volunteer. We can make 2012 our best year yet.

Until next year,

Newsletter Platinum Award '07, '08, '09  
 Newsletter Gold Award '06  
 Newsletter Silver Award '10

## Vital Statistics

### Finances as of Nov 2011:

Total \$ 27,176

### Members as of Nov 2011:

Total 224

### Next BOD Meeting:

December 17, 2011 at 9am

## Our Sponsors



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## Contact Us

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## Quick Links

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**Russell Wooten**  
**President IIE National Capital Chapter**

## Report on the DC student career fair

*Submitted by John Baer*

A few days ago I was asked to serve as a "career representative" for IIE and SME at the 17th Annual D.C. Career Fair for DC Public and Charter High School students, December 1st at the Washington Plaza Hotel, sponsored by the DC Rotary Club.

I managed to accumulate flyers from TSA, the Technology Student Association in Reston, which has acquired the defunct JETS, the Junior Engineering Technical Society, from Joe Scheibeler, and some wonderful, informative and comprehensive 64-page IEEE magazines depicting many aspects of engineering as a career, from our friend Bill Knight at National Engineers' Week.

Thus armed I was able to brief some 100 students, many articulate, well dressed and full of prepared, sensible questions about engineering in general, the kinds of courses needed to prepare for an engineering career, what engineers do, what they can expect to earn, how long it takes to become an engineer, what subjects they should study, and my own 50-year career experience.

Just FYI, what made the magazine, actually published by the American Society for Engineering Education, so useful, was its description of the different kinds of engineering, including:

- stories about clothing made from corn;
- a British plastic cell-phone body containing sunflower seeds (to urge customers to recycle the innards when no longer needed and to plant the housing;)
- Adidas running shoes with a heel that adjusts the heel cushion while the foot is in midair, making 1000 changes per second;
- a bridge en-route to the Riviera in France that rises 1122 feet above the river below, and that incorporates a slight curve, because a straight road would give drivers the sensation of floating;
- such critical aspects as women in fields like automotive engineering, (since women buy 65% of the cars in the U.S.;)
- and listing average starting salaries for CE's, ChemE's, EE's and MechE's (albeit as of 2005.)

Bet you didn't know any of these things; I didn't.

Knowing that I can count on all of our local IIE and SME chapter members for support, I also offered all the youngsters who plan to participate in Science and Engineering Fairs, help in reviewing their planned projects.

## IIE is a sponsor of National Engineers Week Future City Competition

IIE is a proud sponsor of the National Engineers Week Future City Competition. This competition challenges students with problem solving,

team work, communication, research, and practical application of science, math, and technology.

There are opportunities nationwide for Professional and Student Chapter involvement for mentoring these middle school students as they develop their Future Cities.

Please check with your nearest Regional Coordinator for opportunities to support.

## The Journal of the Washington Academy of Sciences

If you have a desire to publish a paper in a prestigious journal, submit your manuscript for consideration to The Journal of the Washington Academy of Sciences < <http://www.washacadsci.org/> >. Manuscript requirements can be accessed here: <http://www.iienationalcapital.com/professional-development/the-journal-of-the-washington-academy-of-sciences/>

If you have questions, please feel free to contact the Chapter's delegate to the Washington Academy of Sciences (WAS), Neal Schmeidler at 703-462-5471 or [neal.schmeidler@iienationalcapital.com](mailto:neal.schmeidler@iienationalcapital.com).

## About IIE

The Institute of Industrial Engineers (IIE) is the world's largest professional society dedicated solely to the support of the industrial engineering profession and people involved with improving quality and productivity. Founded in 1948, IIE is an international, non-profit association that provides leadership for the application, education, training, research and development of industrial engineering. With more than 15,000 members and 277 chapters worldwide, IIE's primary mission is to meet the ever-changing needs of its membership, which includes engineering practitioners and consultants in all industries, engineering managers, engineers in education, research and government and undergraduate and graduate students.



## About IIE National Capital Chapter

The National Capital Chapter of the Institute of Industrial Engineers has proudly and professionally represented the Institute of Industrial Engineers and its members in Northern Virginia, Southern Maryland and Washington DC since 1953. We are a non-profit association that provides leadership for the application, education, training, research, and development of industrial engineering. Chapter members are members of the Institute of Industrial Engineers and include undergraduate and graduate students, entry-level engineers, engineering practitioners and consultants in all industries, engineering managers, and engineers in education, research, and government.



For a complete list of the current Board of Directors, including contact details, please visit the Chapter website at <http://www.iienationalcapital.com>

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