

# Tulsa-NEO SWE

Society of Women Engineers

## Volunteers Needed!

Brownie Day is October 2 and we need 2-3 people to volunteer. Contact Abigail at [Abigail.Wendt@magellanlp.com](mailto:Abigail.Wendt@magellanlp.com)

Our 3rd Green Country Girl's Night is on October 16th at the Tulsa Air & Space Museum. Green Country Girl's Night is for 7th & 8th grade girls from the Green Country area who are interested in math, science, technology and engineering. Our goal is to get them thinking about Science, Technology, Engineering and Mathematics related careers before they start high school so they can choose a magnet high school, take the appropriate pre-college classes, and explore the career options that are available.

Corporate support - Would your company would be willing to support the event by making a donation or by donating promotional items? Let the event coordinator, Cayti Burch, know the name and contact information.

Volunteers - We need about 30 volunteers throughout the evening. Volunteer slots are available in short blocks, the evening portion or the entire night and range from walking leaders to workshop leaders.

Get the word out - Do you have a 7th or 8th grade daughter? Does your office buddy? Neighbor? Make sure they know about the event.

For more information e-mail Cayti Burch at [cayti.burch@swe.org](mailto:cayti.burch@swe.org) or go to <http://groups.google.com/group/green-country-girls-night-2010>



- *Volunteers Needed!*
- *Upcoming Events*
  - *The Science of Art*
  - *Fall into Salsa*
  - *SPX Lunch Tour*
- *Why Join SWE?*
- *Job Opportunities*
- *Professional Development*
- *Women & Our Money*
- *Going to Nationals?*
- *Leadership Coaching Tip*
- *Fall BBQ and Whirlpool Tour*

## The Science of Art

Have you ever wondered how optical illusions work or how an artist can trick our eyes with perspective? Come find out more at “The Science and Art”; a lecture offered by Marie Moran and the Society of Women Engineers. Art and science work together in beautiful ways like: the mechanics of kinetic sculpture, the chemistry of paint, the optics of perspective, the mathematics of patterns, and the biology of vision.

Come see images of absolutely incredible art that ranges from ancient to cutting edge and learn about the science behind it.

Come learn about:

- Secrets of Color
- Chemistry of Paint
- Mechanics of Sculpture
- Beauty of Mathematics
- Optics of How We See
- Geometry of Perspective, and
- More.

When: Thursday, September 16<sup>th</sup>  
7-9 pm

Where: University of Tulsa  
Alan Chapman Activity Center  
Gallery

RSVP: [Mmoran1979@yahoo.com](mailto:Mmoran1979@yahoo.com)

## SPX Lunch Tour

The tour will be held Tuesday, September 28<sup>th</sup> during the lunch hour, 11am-1pm. SPX will serve Jason's Deli while giving a brief presentation followed by a tour of the facility. And it's going to be HOT!!! SPX specializes in the design and manufacture of enormous heat exchangers: 45-60" W and 40-50' L.

## Fall into Salsa

The event will be Saturday, September 25<sup>th</sup>. The back room of Yokozuna at 2<sup>nd</sup> & Detroit will be reserved for dinner from 7:30-10pm. Monica Rodriguez will teach a salsa lesson at 9:30pm. After the lesson, a DJ will be playing salsa music 10pm-2am. The music and dancing will be a public event provided by Tulsa Latin Dancers, so stick around to dance or watch. Guests pay for their own dinner.



The Walking Kinetic Sculpture of Theo Jansen

Check out the SWE website to renew your membership for 2010-2011 year.

Not already a member?

The easiest way to join SWE is to go to the website:

<http://societyofwomenengineers.swe.org>

Click the "Membership" tab.

## Engineer's Pledge.

I will:

- ~Tell people about the creative aspects of engineering.
- ~Promote the collaborative nature of engineering.
- ~Talk about how engineering makes a difference.

## Engineer Speak

1. 1 millionth of a mouthwash = 1 microscope
2. Half of a large intestine = 1 semicolon
3. 1,000,000 aches = 1 megahurtz
4. Basic unit of laryngitis = 1 hoarsepower
5. Shortest distance between two jokes = A straight line
6. 453.6 graham crackers = 1 pound cake
7. 1 million-million microphones = 1 megaphone
8. 2 million bicycles = 2 megacycles
9. 365.25 days = 1 unicycle
10. 2000 mockingbirds = 2 kilomockingbirds
11. 52 cards = 1 decacards
12. 1 millionth of a fish = 1 microfiche
13. 10 rations = 1 decoration
14. 100 rations = 1 C-ration
15. 4 nickels = 2 paradigms

## Why Join SWE?

When you join SWE you're joining more than an organization - you're joining a movement toward equality and opportunity for women in engineering. Our mission is focused but our impact is vast. We provide the resources you need whether you are beginning, resuming, or building your career. We also encourage creative and intelligent girls at an early age to explore the field of engineering. Through such career development and awareness, we are making significant strides—together.

## Membership Benefits

### Community of Support

SWE is an inclusive organization focused on issues of interest to women specializing in engineering and technical careers.

### Education and Outreach

SWE's education and outreach activities are designed to enhance the quality of life for women of all backgrounds who pursue the profession of engineering.

### Resources and Information

As a worldwide leader in engineering knowledge and support, SWE is a partner you can turn to for advanced, relevant information about women in technical careers.

- SWE Magazine.
- Monthly SWE News.
- SWE Online Communities.
- Webinars and podcasts.
- Online career center.
- Outreach programs.

### Leadership Skills

Members are encouraged and supported in the development of skills necessary to be effective leaders in a global marketplace.

- Develop leadership experience in a non-threatening environment through leadership roles at the sectional, regional, and national levels.
- Publish articles in the SWE Magazine.
- Present technical papers at national and regional conferences.
- Lead seminars and workshops at national and regional conferences.

## Local Opportunities

Magellan Midstream Partners, LLP

<http://www.magellanlp.com/>

OG&E Energy Corp

<https://secure.oge.com/careers/>

Spirit Aerosystems

[http://makeitfly.aero/jobs\\_home.html](http://makeitfly.aero/jobs_home.html)

Northrop Grumman -- Tinker AFB

<http://www.northropgrumman.com/>

Baker Hughes

<http://www.bakerhughes.com/>

Williams Energy

<http://www.williams.com/careers/CareerMap.aspx>

Whirlpool

<http://www.whirlpoolcareers.com/>

BP -- Texas

<http://www.bp.com/>

AEP -- Texas

[www.aep.com](http://www.aep.com)

## Going to Nationals?

Invent It. Build It. is a hands-on engineering experience for 250 high school Girl Scouts taking place at the SWE Annual Conference. Please help us make an impact on the lives of these girls by becoming an Invent It. Build It. volunteer. In addition to the difference you can make as a role model and mentor, this event is a unique opportunity to do outreach with SWE colleagues from around the world!

At a minimum we are asking SWE volunteers to commit to a one hour webinar (a recording will be made available for listening at your convenience) and work the day of the event from 9:30 am - 4:00 pm (Saturday, Nov. 6, 2010).

To register as a volunteer go to <http://www.surveymonkey.com/s/iibi>

## Engineering Exam Review Courses

Fundamentals of Engineering Exam Review

<http://www.cese.utulsa.edu/programdetail.php?ID=136>

August 28 – October 23, 2010

(Saturday Mornings)

PE Mechanical Engineering Exam Review

<http://www.cese.utulsa.edu/programdetail.php?ID=136>

August 28 – October 9, 2010

(Saturday Mornings)

## Women & Our Money

This seminar will be Monday, September 13 at 6:00pm at the University Of Tulsa Allen Chapman Activity Center/Great Hall. This is a fun and free night for women of all ages to learn more about their money, business, and personal brand image. Sponsored by TU SWE Chapter and Romie Henry. To reserve your space, call 918-630-8731 or go to [www.tulsawomen.org](http://www.tulsawomen.org).

## Hot Job

Burns & McDonnell in Kansas City has the following immediate opening:

### Mechanical Equipment Specialist

- Specify machinery and other specialized rotating equipment.
- Design and project management.
- Mentor junior staff members.
- Some marketing responsibilities.

For full job description and to apply online, go to [www.burnsmcd.com](http://www.burnsmcd.com) and look up job number: 100426

## Leadership Coaching Tip of the Month

When dealing with a co-worker and butting heads, stop and take a step back. Don't think about what your colleague wants, ask yourself WHY they want it – you may be surprised to learn that you've made incorrect assumptions regarding their motivation.

A great example is “the orange”. There is one orange, and two people want it. How do you resolve the conflict? Do you split it? Take it for yourself? Give it away and wind up with nothing? Stop and take a step back... WHY do you want the orange? Is it to eat it? If so, you probably assume that the other party wants to eat it as well... but what if they actually want to zest the peel? Suddenly, you've discovered a new way to resolve the conflict, because you understand WHY the other party wants the orange. REMOVE the assumptions, UNDERSTAND the motivations, and you can resolve a conflict in a way that is mutually beneficial to both parties. This may be a campy example, but you'll be VERY surprised how often conflict can be resolved just this easily in the real world.

## Community Outreach Opportunity

As part of our outreach venture for the upcoming year, we would like to compile a list of professionals who would be willing to speak to collegiate SWE members at one of the local universities during the school year. If you are interested, email [christina.bishop@gmail.com](mailto:christina.bishop@gmail.com).

If you would like to subscribe to the Tulsa-NEO SWE Newsletter and receive other mailings from Tulsa-NEO SWE please e-mail [tulsaneoswe-owner@swe.org](mailto:tulsaneoswe-owner@swe.org) with 'Subscribe' in the subject line.

If you would like to un-subscribe, please send an e-mail to [tulsaneoswe-owner@swe.org](mailto:tulsaneoswe-owner@swe.org) with the word 'Unsubscribe' in the subject line.

## Fall BBQ Success!

Thanks to everyone to attended SWE's back to school BBQ and pool party. We had a great mix of old and new faces, some great food, and great conversations. Congratulations to Amanda Colby, who won our doorprize of a FREE SWE membership!

## Whirlpool Tour

We found the processes and equipment fascinating. Thank you, Trish, for getting the tour approved and, thank you, Barbara for making lunch arrangements. The following link explains the SWE member discount:

<http://tinyurl.com/3yq6bjc>

(Don't worry, this link is safe. The real address was too long to fit here. ☺)