



President's Corner

The Space Coast section of SWE is celebrating the tremendous success of our Engineering Awards Banquet. We had thirty-five nominees and over 180 people attended to honor each and every one of them. We were extremely proud of them all, especially our winners seen in the photograph. We all enjoyed our keynote speaker, Dr. Cammy Abernathy, Dean of Engineering from the University of Florida. She deals with the same issues we do every day – how to attract and keep women in engineering.

We also wrapped up a long season of FIRST Lego League, where four of the seven all-girl teams sponsored by SWE competed at the State Competition last week at FIT. The GEMs Divas, coached by Kara Floyd and Susan Floyd received a Judge's Award and the Robo Gopher Princess team from Stone Middle School received the Team Spirit Award.

Our book club is in full swing, just finishing up a review of the Outliers and getting ready to review Sarah's Key on Sunday, April 11th. Make sure you mark your calendar – and remember you don't have to read the book to attend for

networking and enjoying your SWE sisters.

Region D conference was this last weekend in Memphis, Tennessee and Kristin Lucas represented us. We received the "Educator's Outreach" award, so take a few minutes to read Kristin's submittal on the conference.

We welcome eight new members that joined us since January, Arline Cowell, Keyetta Jackson, Cheree Kiernan, Melissa Mitchell, Janet Petro, Elizabeth Weis, Brenda Williams and Catherine Wright. We are thrilled to have you join Space Coast and hope you will be able to attend our meeting on Tuesday, March 23, 2010 at City Tropics Bistro in Indialantic. We have a great speaker sharing what we need to know about women's self defense.

We have started soliciting for our Camp KSC Scholarships. Make sure you let your friends know and go to our SWE website to sign up.

Thanks for all your support. It is wonderful to work with so many dedicated women in engineering.

Susan

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Susan Floyd
SWE-SC President

Calendar of Events

DATE	TOPIC	LOCATION
March 15, 2010	Camp KSC Scholarship Apps Due	
March 23, 2010	Meeting: Women's Self Defense	City Tropics Bistro, Indialantic
April 11, 2010	April Book Club: Sarah's Key	Melting Pot, The Avenues, Viera

March Meeting: Women's Self Defense by Ron Kazoroski Tuesday March 23, 2010

***Time:**

6:00pm Social
6:15pm Order dinner

***Location:**

City Tropics Bistro
249 Fifth Avenue
Indialantic, FL
<http://www.citytropics.com/>

Register by Friday, 3/19

***Cost:**

\$25 SWE Members
\$30 Non-Members
\$13 Student SWE Members

Entrees choices are Top Sirloin, Jambalaya, Pollo Tropical, Linguini Meatballs, Chicken & Sausage Italiano, Mahi Mahi.

*Register at

<http://www.swe-sc.org/Meetings/Mar10/>

*For questions, contact Nancy Szpara nszpara@mindspring.com

Ron Kazoroski has over 25 years of law enforcement experience and teaches self defense at UCF. He will address women's self defense issues based on real world experience.

Don't miss this one!



April Book Club

Our next book will be ***Sarah's Key*** by Tatiana de Rosnay. We will meet to review this book at 2 pm on Sunday April 11th at the **Melting Pot in the Avenues, Viera.**

Paris, July 1942: Sarah, a 10 year-old girl, is arrested with her family by the French police in the Vel' d'Hiv' roundup, but not before she locks her younger brother in a cupboard in the family's apartment, thinking that she will be back within a few hours.

Paris, May 2002: On Vel' d'Hiv's 60th anniversary, journalist Julia Jarmond is asked to write an article about this black day in

France's past. Through her contemporary investigation, she stumbles onto a trail of long-hidden family secrets that connect her to Sarah. Julia finds herself compelled to retrace the girl's ordeal, from that terrible term in the Vel' d'Hiv', to the camps, and beyond. As she probes into Sarah's past, she begins to question her own place in France, and to reevaluate her marriage and her life.

Tatiana de Rosnay offers us a brilliantly subtle, compelling portrait of France under occupation and reveals the taboos and silence that surround this painful episode.



Register for the Book Club meeting at

<http://www.swe-sc.org/BookClub/Register.html>

You don't have to read the book to come join the networking!

Meet & Greet

Name: Kimberly Wise

Occupation: Mechanical Engineer, Harris Corporation

Years: 1.5

Graduated from: University of Florida, BSME 2008

What do you like best about being an engineer?

Problem-solving and interacting with people from many disciplines

Years with SWE: less than 1

Why did I join SWE? I

wanted to get to know other female engineers in the Space Coast and become more involved with our community.

Hobbies/Interests: Traveling with my husband, Spence; couponing; reading; baking; attempting to train our Boykin Spaniel, Kona; enjoying the Florida sunshine



Kim Wise with husband Spence and Kona

SWE-SC Scholarships

Two \$1000 Scholarships were awarded at our recent awards banquet.

Alexandra Lamens is a student at West Shore Jr./Sr. High in Melbourne. Ali has been an active competitor throughout her four years in High School in Mu Alpha Theta and Science Olympiad. Her leadership roles include 4 years as Student Government Committee Chairperson and she currently serves as the Student Body President. In addition to academic excellence, Ali is the Captain of her Varsity basketball team, Captain of her baton twirling team, holds school records in Varsity track and plays the flute in the school band. She has shown her passion and potential in the engineering field by her work on various projects including the design and build of an elastic energy powered water balloon launcher. Ali

plans to pursue a major in Mechanical Engineering at Northwestern University.

Samantha Hart is a student at Melbourne High School. Over the past 4 years she has held leadership positions in various organizations including Mu Alpha Theta, Student Government Association, the Fellowship of Christian Athletes and currently serves as the President of the National Honor Society. Samantha is actively involved with community outreach for the First United Methodist Church. Some of her activities include generator installation for hurricane preparation for the Methodist Children's home and home reconstruction during a mission trip to Andros, Bahamas. Samantha was one of two students chosen to represent

Melbourne H.S. in the field of physics at Harris Corporation's Engineering Week. Samantha plans on studying Mathematics at the University of Florida.



From left to right, Samantha Hart; SWE Section President Susan Floyd and Alexandra Lamens.

Women Engineer of the Year Awards

The group of 37 nominees who were recognized at the SWE-SC annual Women Engineer of the Year Awards Banquet were very impressive in their demonstrated performance, capabilities and achievements.

The recipient of the **Space Coast Distinguished New Woman Engineer of the Year Award** was Damaris Sarria, a materials and processes engineer with Boeing for the Thermal Protection System group. She earned her way to serve as the lead engineer for Atlantis responsible for investigating, troubleshooting and providing corrective action resolution for system design anomalies required to validate the Orbiter thermal protection system for flight readiness. Most recently she has accepted the assignment as the back up Vehicle Project Manager for Endeavour.

She has an aggressive list of goals which include getting a PhD, becoming an Astronaut and become active in Engineers Without Borders.

The **Woman Technical Achievement Award** recipient was Katherine Kammerer with United Space Alliance where she is currently the Senior Engineering Manager responsible for managing and implementing the Materials & Processes Engineering (M&P), Reliability Centered Maintenance (RCM) and the Predictive Maintenance Engineering Lab's (PMEL) technical direction.

From left to right, Award Recipients Katherine Kammerer, USA; Damaris Sarria, Boeing, Consuela Smith, Harris with Susan Floyd, SWE-SC President

Katherine is the recipient of numerous awards including a Silver Snoopy and has authored several publications related to the shuttle tile system as well as other topics. In addition to her job with USA, she is also an Adjunct Professor Materials & Processes II at Brevard Community College.

Consuela Smith with Harris Corporation was the recipient of the **Space Coast Outstanding Woman Engineer of the Year Award**.

She has supported our engineering community with over 12 years engineering experience including the responsibility as the Project Lead on the Global Positioning System Operation Control Segment (GPS OCX) Network Element, which required her direct integration into the program's prime contractor's organization. As a product lead, she performed as the cost account manager, responsible for the account, leading her team of network and systems engineers through Systems Design Review. She also has made significant contributions on the Federal Aviation Administration Telecommunications Infrastructure where she contributed to the design of 20 sites per week. The FAA Telecommunications Infrastructure network



provides the voice, data and video communications that support operations and mission support functions at more than 4,000 FAA and DoD facilities nationwide. She is known for her commitment, dedication and extremely hard work ethic by her peers.

She is a role model for her ability to give back to the community and support the growth of our next generation. She is a very active participant in the Harris Kindergarten – 12th grade outreach program which takes hands-on engineering workshops into the classrooms of Brevard County. This year she volunteered to lead the hands on workshops for Emerging Engineers (students in 7th – 9th grade) hosted during Engineering Week and she has volunteered with SWE for WOW.

Her commitment to her various roles as mother, employee, student and mentor is unwavering. She is a mother of two, works full-time and is currently in school. In addition to the BSEE and MSEE degrees she already has from Florida A&M, she is currently working to obtain a Masters of Science Industrial and Systems Engineering concurrently with an MBA from the University of Florida.

“The relationship with your supervisor can have a great impact on your career...”

Camp KSC Scholarships Available

SWE-SC is offering 10 (or more) tuition scholarships for 3rd through 8th grade girls attending school or residing in Brevard, Indian River, and Volusia Counties. 50% of the scholarships will be awarded to need based girls and cover 100% of their tuition costs.

The other 50% will be achievement based and support 50% of the camp's cost. Applications are due no later than March 15th and can be found at <http://www.swe-sc.org/CampKSC/>.

For more information about Camp KSC and camp dates, visit the [Camp KSC](#) website. For more information or questions about the SWE-SC scholarships, please visit the above website, or contact campksc@swe-sc.org.

BETA Academy Mentor Requests

BETA Academy (Bayside HS Engineering and Technology Academy) is looking for support from SWE-SC for Senior Projects topic ideas as well as

Engineers who can mentor the small group/team of students. Mentors would need to be able to attend group meetings (during school hours) beginning ASAP through early April.

Volunteers can contact Jennifer Sullivan, the BETA Director at Bayside: sullivan.jennifer@brevardschools.org (321)956-5000 voicemail ext. 3807

Science Fair Judging

The Ascension School is hosting the Brevard County Catholic Schools' Science Fair on Tuesday, April 20th, 2010!! They are looking for science professionals in the community to serve as volunteer judges. Judges would be reviewing the students projects and selecting winners in each

category: Biological, Physical and Environmental.

For more information, please contact *Kristin* at Kristin.N.Lucas@boeing.ksc.nasa.gov or (703)901-7433.



Introduce a Girl to Engineering Workshop (IGEW)



Chloe Ravina, 4th grade, Palm Bay Elementary, and Rachel Garza, 5th grade, Andersen Elementary work on building their Lunar Lander

We had **547** girls (3rd to 6th grade) attend our event this year, filling with Cocoa Beach High School with lots of energy and learning. Each girl was able to choose 5 workshops to attend from the 16 module choices each of which highlighted an engineering discipline (i.e. Electrical, Mechanical, Civil, etc). They were able to complete hands-on activities taught by women currently working/educated in the in the related field of study. We were able to obtain corporate sponsorship from various local companies (Boeing, Qinetiq, ULA, ASRC, Lockheed Martin, USA, and KSC Federal Credit Union). Their donations

allowed us to offer 127 economically underserved girl's registration fees, lunch, and bus transportation from local elementary schools. . After a full day of Engineering insight, all the girls were able to return home with their classroom projects, t-shirt, SWE Backpack, giveaways, and their newfound knowledge/curiosity to learn more.

In addition to our student workshop, we offered 2 additional workshops: one for Parents and the other for Teachers. We had over 100 local adults and 24 Elementary School teachers attended. They were able to attend multiple classes throughout the day. The Teachers completed activities such as building Simple Machines and an introduction to the 'Engineering is Elementary' curriculum, as well as choosing from several of the hands-on classes the girls participated in. The Parents were able to learn new ways to support their children in their path to becoming an Engineer through four different sessions including a multi-generation Engineering Panel, a session introducing them to Science Inquiry, Ways to Improve Their Child's Reading Skills, and more.



Araea Myer, 3rd grade at Palm Bay Elementary School is working on assembling her Steady Hands game

If you are interested in volunteering for an event for Wow! and/or IGEW please contact Kristin at Kristin.N.Lucas@boeing.ksc.nasa.gov or (703)901-7433.



Alicia Poole, 5th grade, Saturn Elementary and Sydney Teartt, 5th grade, Atlantis Elementary test their robot they have just programmed to go around a square.

Region D Conference -- March 5-7, 2010

This year's Conference was held at the University of Memphis in Memphis, TN and themed *Strategic Women Evolving Through Innovation*. The University of Memphis Collegiate section hosted the conference along with the local Memphis Members-at-Large (MAL's). They kicked off Friday evening with an Elvis impersonator and BBQ Welcome Dinner at Central Station in Downtown Memphis. The Keynote Speaker was particularly relevant for many of us, Dr. Bonnie Dunbar. She spoke about what lead her to engineering and her accomplishments as an astronaut and beyond. Eileen M. Velez-Vega, Region D Governor, started off Saturday addressing the day's plethora of planned activities: Professional/Collegiate Workshops, Region Meetings, and companies at the Career Fair. Nora Lin, FY10 SWE President, spoke at lunch about the 'State of SWE' and the recognition SWE has gained over the last few years, earning her not one but two invitations to the White House. The afternoon was primarily filled with Region business: next year's candidates for Region leadership, budget, bylaws, Membership, Outreach, Communication, etc. To conclude the productive day, the Awards Dinner recognized Sections for their achievements throughout the year in categories such as, Membership, Diversity, Outreach, etc. ...and Space Coast was presented with the 'Connecting Educators' Outreach Award for the ALICE Workshop that was held for teachers during our Wow! event this past October!!

I was lucky enough to meet my fellow Region D SWEesters, become aware/involved in the Region government, and gain new tools to work towards my career goals (just to name a few). I encourage all of you to attend in the future, and it just so happens that the next National Conference, We10, is in Orlando, FL this November. Please refer to SWE Communities for presentations or feel free to contact me if you are interested in any of the workshop presentations!

Kristin Lucas

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Aspire. Advance. Achieve

Mission Statement

Our mission is to inform the community of opportunities open to women in engineering and to encourage women to enter and grow in engineering and the sciences.

Section Objectives

- **Continuing Development**
Conduct programs that provide leadership and management skills to enhance professional, personal and SWE growth.
- **Network Support System**
Provide a network to support professional, personal and family needs.
- **Promote Engineering/Science**
Conduct programs to encourage and sustain increased female and minority participation in engineering and the sciences.
- **Visibility**
Increase visibility in order to boost membership and increase members with more opportunities to serve their communities.



We have created a SWE Space Coast fan page on Facebook to better communicate with you about our events, as well as to help you network with other women engineers in the Space Coast area. You can also ask questions in the Discussion Boards and view our event photos. So, become a fan and find out more about our exciting events coming up!

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