At last! Another exciting year for SWE-SC is beginning! We’re looking forward to some new and exciting events for the 2010-2011 Year. We have a lot of fresh ideas with our new Executive Council, and are looking forward to a busy, fun-filled year.

We recognize that the employment picture in Brevard County is changing rapidly, with many of our members expecting to lose their jobs over the next year or so. We’ll be addressing that with speakers on Entrepreneurship, and interviewing techniques in our October Meeting. Of course, you can’t beat the Networking opportunities at all of our meetings. Other meetings this year will focus on “Green” topics, tours of local facilities, community outreach events, Meet and Greet’s, and more.

We’ll kick-off the year on Friday night, August 20th, with “A Taste of Italy”. We’ll have lots of delicious Italian Food, fine Italian wines, a chance to network and we’ll introduce the calendar for the upcoming year. We hope you can make it to Cape Canaveral to join us for this event. Full information and registration can be found on our website – [www.swe-sc.org](http://www.swe-sc.org).

On August 29th is our Book Club Meeting at the Melting Pot in Avenue Viera (2 pm). We’ll be discussing “Hill Country” by Janice Woods Windle, an interesting account of life in TX around the turn of the century. We’ve found an excellent value at the Melting Pot where Cheese Fondue and drinks on Sunday afternoon are half price! Join us for an enjoyable afternoon of networking, discussion, food and drink – all for under $10! A link to registration can also be found on our website.

We’re excited about a new year – and hope to see you at many of our upcoming events!

Lori McPherson
SWE-SC President

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## Calendar of Events

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 20, 2010</td>
<td>Meeting: A Taste of Italy</td>
<td>Costa Del Sol Condo Assoc, Cape Canaveral</td>
</tr>
<tr>
<td>October 9, 2010</td>
<td>WOW! That’s Engineering</td>
<td>Bayside High School, Palm Bay</td>
</tr>
<tr>
<td>November 4-6 2010</td>
<td>Annual Convenence: We’10</td>
<td>Orange County Convention Center, Orlando</td>
</tr>
</tbody>
</table>
August Book Club

Our next Book Club meeting will be on Sunday, August 29th at 2 pm.

We will review Hill Country by Janice Woods Windle. This is historical fiction about our country the perspective of a Texas Prairie Woman in the late 1870’s. The author of this book is related to our own Nance Mate!

We will meet at the Melting Pot in Avenue Viera. Register at www.swe-sc.org

From Publishers Weekly
The author of True Women uses her grandmother’s unfinished autobiography to depict the resilience and gritty determination of a Texas prairie woman. In the late 1870s, when Laura Woods is seven, her mother fights off a marauding Apache party and Laura gets her first, intriguing glimpse of "white Indian" Herman Lehmann, who was kidnapped and raised in the tribe. When Laura is a teenager, she falls in love with Herman, but the affair is secret and fleeting, and Laura takes a place in society by marrying Peter Woods, the scion of a prominent family. Laura hopes that Peter will make a career in government, an ambition that she craves herself. But it is her friend Rebekah Baines Johnson who will become the wife of a congressman and mother of a president, and Laura realizes she must work behind the scenes if she is ever to put her family on the map. While raising her brood of seven children, she campaigns for Teddy Roosevelt, lobbies for the suffragette cause and seemingly touches nearly every event in Texas history. Laura Woods’s story is a reminder that, regardless of their absence from ballots and voting booths, women played an essential part in shaping the country's history.

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August Meeting: “A Taste of Italy”
Friday August 20th, 2007

Come join us for our Kick-off event and learn about the many fun events planned for this year!

Includes wine and cheese, followed by a buffet Italian dinner. Vegetarian Fare will be available.

Register by 8/17/10 at www.swe-sc.org/Meetings/Aug10
Payment accepted at www.swe-sc.org/MeetingPay.htm

For questions, contact Suzanne Plantec - splantec@haris.com

Bring a friend! If they decide to join SWE, you and the friend are free!
For Girls in 7th to 10th Grades

Girls experience the creativity and innovation of engineering and technology. They meet women engineers and technologists and hear first-hand about these exciting careers. Girls participate in 5 hands on projects.

Location: Bayside High School, 1901 DeGroodt Road SW, Palm Bay
Date: Saturday, October 9, 2010
Time: 9:30am – 3:30pm
Cost: $25.00 includes lunch, drinks, snack, shirt and all supplies
Registration Deadline: September 28, 2010
VOLUNTEERS NEEDED!
Visit www.swe-sc.org/WOW for more information

We’10 in Orlando, FL – Nov 4-6, 2010

Launching Innovation. Defining Success.
WE10 is the largest and most comprehensive gathering of forward-thinking women engineers and technologists. Throughout the conference participants will experience numerous career-shaping opportunities, as well as draw from the energy of SWE’s strong past and promising future to launch innovation and define success.

Conference Highlights
• Training and development sessions
• Career Enhancement series
• Professional networking
• Role models, mentors and new friends
• Technical and Orlando-area tours
• Awards Banquet
• Career Fair with more than 200 exhibitors

This year’s keynote speaker for WE’10 will be Tana L. Utley, Chief Technology Officer and Vice President of the Product Development Center of Excellence at Caterpillar Inc.

WE10 Volunteer Participation for the registration discount is full, but there is a “Wait List” you can put your name on at http://www.surveymonkey.com/s/THPYM57

Registration for WE’10 is open. Professionals should register by September 17 and collegians should register by September 26 to get the early bird rates! The housing deadline is October 1.

Hurry! Some of the WE’10 Special Attractions and Tours are filling up quickly.

Go online to http://we10.swe.org for more information on conference schedule, hotels, registration.

“We were the fuel, the heat and the air that can light the fire to your career.”

November 4–6, 2010 | Orlando, Florida
Outreach Over 2009

Wow! That’s Engineering
210 seventh to tenth grade girls spent October 3rd, 2009, at our annual Wow! event at Bayside High School in Palm Bay, FL. With a dozen different workshops to choose from, these older girls were able to be challenged with interesting new ways to look at science and everyday applications. The girls learned about different engineering career fields by working directly with engineers from local companies who volunteered as the workshop leaders.

Introduce a Girl to Engineering Workshop (IGEW)
On January 30th, 2010, we had 547 girls at Cocoa Beach High School!! We hosted these 3rd through 6th graders for a full day of learning with 16 different modules highlighting various engineering disciplines. IGEW featured such specialty workshops as: Tool Time, Cryogenic Magic, Magnetic Nanotechnology, and many more!

Science Fair Judging
We judged several science fairs and provided awards to projects at both the Jr. and Sr. levels for County and State Competitions.

FLL Robotics
We had several SWE members work with FIRST Lego League Robotics teams. We sponsored 7 all-girl teams (52 students), and several of our members also supported other mixed gender FLL teams (approx. 25 students). Five of our teams qualified and competed at the Regional Competition with four moving on to the State level. Two of these teams received awards from State Competition.

Camp KSC Scholarships
For the past 5 years, the Space Coast section has offered Camp KSC scholarships for girls to attend the one-week day camp program at the Kennedy Space Center Visitor Center. The Camp KSC scholarship is intended to encourage girls to continue to pursue math and science, as well as consider engineering or computer science as a career. This year, Susie Allen-Sierpinski led the team to select 14 girls between 3rd and 8th grade to attend Camp KSC. There are two types of scholarships awarded, along with writing an essay in both cases, one is based on financial need and the other is based exclusively on academics. The financial need scholarships are dependent upon the applicant is eligibility for the free/reduced lunch program or if the applicant is in an at risk situation. The achievement scholarships hinge on an applicant’s grades. For the last part of the scholarship both types of applicants had to write an essay on a choice of one of the two given topics: A. If you could talk with an astronaut (past or present), with whom would you talk, what would you ask and why? B. If humans had never gone into space, what would the Earth be like today? The girls awarded scholarships attended the camp during summer 2010, half of which were based on financial need. Thank you all, to those who helped participate in the judging.

Scholarships *see picture
Thanks to generous donations from local individuals and a local company, we were able to award two $1000 scholarships to two young women this year.
Ms. Samantha Hart graduated from Melbourne High School and will be studying Mathematics at the University of Florida this fall.
Ms. Alexandra Lamens just completed West Shore Jr./Sr. High and will be attending Northwestern University to study Mechanical Engineering.

Adult Workshops
We provided several opportunities for parents/teachers to attend various workshops throughout 2009.
In conjunction with Wow!, we help a teacher workshop presenting ALICE Software, a program used for introducing fundamental programming concepts into the classroom. We were awarded the Connecting Educator’s Award at the Region D Conference in recognition of this successful event. Our IGEW event featured both a Parent and Teacher Workshop, they were each given resources to better support their girls in pursuing a career in math/science. Hands-on workshops, speaker sessions, and demonstrations were used to provide the parents/teachers new ideas and approaches to present this information.
We assisted FIRST with 5 FLL coach training sessions and worked with numerous other volunteers that work with FLL Robotics teams.

Interested helping with in any of these in the future or in becoming a member of the Outreach Committee?
Please contact Kristin Lucas at Kristin.N.Lucas@boeing.ksc.nasa.gov or (703)901-7433

2009 $1000 Scholarship Winners
From left to right, Samantha Hart, Former SWE Section President Susan Floyd and Alexandra Lamens
Making Strides Against Breast Cancer

This year a few of the SWE Space Coast section members have signed up to walk in the American Cancer Society Making Strides Against Breast Cancer on the Space Walkers team. The walk is a non-competitive 5k at The Avenue in Viera on October 23, 2010. We chose this particular walk because 60% of the funds raised remains in Brevard County with the rest going to research.

So far, we have raised a little over $200 and have 9 team members, and it’s still early. Last year the Space Walkers team raised $3400.

If you are available, we’d love for you to join our team and walk with us. If not, please support our efforts with a donation of whatever amount you can spare.

We know that there are a lot of cancer events out there, but Making Strides speaks to us because funds raised enable the American Cancer Society to help people stay well and get well from breast cancer, find cures, and empower people to fight back today. With your help, we can save lives.

To support us in our efforts, please visit: http://main.acsevents.org/goto/space_walkers

They say that every donation makes a difference, and it really is true. We know that times are tighter than normal for many of us, but if you can spare even $5, it truly will make a difference. If everyone walking in Making Strides this year were able to raise just $5 more, we would raise an additional $3 million to fight breast cancer. Imagine what an incredible difference we could make together!

Meet & Greet

Name: Sarah A. Matiko
Workplaces: Daytona State College
Profession: Professional Tutor
Work Description: Tutor Mathematics, Chemistry and Physics.

How many years a SWE member: I joined the SWE chapter at Embry-Riddle Aeronautical University (ERAU) in 2006. I served in the Fundraising Committee, Membership Chair and Outreach Volunteer. I’m looking forward to not only becoming a professional member but also getting involved.

Tell us a little about yourself: I was born and raised in Siaya, Kenya. I went to Malaysia for a foundation course in engineering before coming to the United States. I graduated from (ERAU) with B.S. in Aerospace Engineering and a minor in Mathematics in December 2009 and I’m actively looking for an entry level position in Aerospace Engineering. Doing simple things like smiling, appreciating my surroundings, Math... really.. make me happy.

Message to SWE Members: From travelling across the country with my fellow “SWEstars” to meeting incredible women engineers who make fun of your resume, you never know who you might bump into or what job you might land on.

Introducing Girls to Engineering Workshop

Discover what engineering is all about while you have fun in five hands-on lab workshops.

Girls can become engineers too! This workshop will provide girls with opportunities to do fun hands-on experiments related to several different engineering career fields. They will also be able to find out what different types of engineers do and will meet women engineers who will talk about how they became engineers.

IGEW will be February 12th, 2011 and a change in location back to Merritt Island High School. We will be ‘revamping’ our Module lists with some updated and new workshops.

Please contact Amanda Gayle at mdgonly@aol.com if you are interested in leading a workshop or have new, exciting ideas for this year!! Visit: http://www.swe-sc.org/IGEW/

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

Science Fair Judges Wanted for...
Spring 2011 Indian River County Science Fair

Judges/Mentors wanted for various other events within the Brevard/Volusia/Indian River counties for more info contact Outreach Coordinator Kristin Lucas at Kristin.N.Lucas@boeing.ksc.nasa.gov or (703)901-7433

WOW Volunteers Wanted
Register now @ www.swe-sc.org/WOW/WOWVol

IGEW Volunteers Wanted
Feb 12th 2011 http://www.swe-sc.org/IGEW/

Info Wanted...

Awards Banquet chairperson is looking for company contact information to send letters to solicit award nominations.
Please help by e-mailing any information to dsperber01@gmail.com

Website Update

SWE-SC will be launching a redesigned website this year to enhance our online presence. The goal of this update is to maintain an online connection with our current members and to attract new members. The site seeks to offer users a positive experience with an updated modern look and easy navigational features.

Seeking Donations

Looking for Donations to Support SWE Space Coast Outreach

I am sure everyone is well aware of the economic challenges facing the Space Coast, with the retirement of the Shuttle Program and the unsure nature of next year’s space budget. Regardless of these challenges, we need to keep our SWE programs funded. Please think about anyone you know, that might be willing to make a donation to our non-profit activities, be it WOW, IGEW, Scholarships or Professional Development. Susan Floyd will be glad to help you write letters, requesting funding for different events if you contact her at susan.l.floyd@boeing.com. We have found the best way to get a donation from a company or a business is to have personal contact, so when they make the decision to support or not they can talk to someone who is with SWE to help with the decision. Sometimes, it’s all in how we ask and when we ask. Thanks for your continued support.

Susan

Find us on Facebook!

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!

Find us on Facebook!
Look for us under SWE Space Coast for regular updates on our Section!
We want to be your friend!
http://www.facebook.com/home.php?#!/pages/SWE-Space-Coast/237713990576
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.