

The Wrench



ASME-UF Traveling throughout the Southeast!

As a professional student organization, ASME strives to serve its members in a variety of ways.

One such way involves the exploration of the great, striped roads of the Southeast, driving from Gainesville to represent Gator Engineers throughout the nation, in order to gain more knowledge of what we will do as Mechanical Engineers.

So what and where do we explore? Different company facilities! ASME-UF has been many places this October.

In its first adventure, 12 students went to Baton Rouge Louisiana to tour Air Products. Air Products is a facility that provides hydrogen to any other

facilities that require hydrogen for their operations. Many of the machines we saw include cation/anion separators of water, pressure pistons, and one giant heat exchanger. As me-

Air Products + ASME team



chanical engineers, we learned that our versatility would give us the ability to be facility engineers and repair managers on-site using their lathe and milling

machines they have on-site. Or, the engineer may go to one of the other facilities Air Products owns and help produce the giant heat exchangers, pumps, compressors etc.

In ASME's second venture, we found ourselves in Newberry Florida, in front of the Florida Rock facility. Florida Rock is a cement company located all around the Southeast. The particular plant we went to is only 10 years old and state of the art. Their Roller Mill uses a 6500 horsepower motor along with several other pieces of unusual machinery. Florida Rock requires mechanical engineers for their ability to operate and repair machinery. (Continued on pg. 3)

Updates on ASME Student Competitions

The four student competitions this year are well underway and some are in their design phase!

The Human Powered Submarine competition has completed an initial hull design. Here is a statement from the team captain:

"ASME participates in the Human

Powered Submarine Racing Competition held biennially at the David Taylor Model Basin in Bethesda, Md. Swamp Thing I, a one-person, propeller driven submarine, completed four runs reaching a top speed of 2.262 knots in the 2007 competition. The next generation submarine will utilize a superior manufacturing approach and optimizing various systems to make it an

international champion. The primary focus of this competition is for students to gain practical design experience, while employing novel techniques for



(Continued on Page 2)

Your Officers:

President: Marshal Thomson

VP External: Rob Oberlies

VP Internal: Brian Rosenberg

Treasurer: Andy Kobyljenic

BEC Rep: Brian Malm

Secretary: Joshua Rose

SSC Coordinator: Myssa Sanders

Webmaster: Joe Windle

Outreach: Chris Coleman

Historian: Thomas Cihota

Newsletter: Alberth Franco

Membership: Brandon Crone

Publicity: Stephanie Jimenez

Programs: Tyler Vanderbeide

Advisor: Dr. Lear



November 2007

Day	Mon	Tue	Wed	Thu	Fri	Sat
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31					

Competitions (from page 1)

Programs and projects: In a few weeks they will be holding the fall of the sub - Final day! We will be holding the final day for more information. We will be holding the final day for more information.

For those interested in getting involved: If you are interested in getting involved, please contact the Habitat for Humanity team. We will be holding the final day for more information.

The 2007 Student Design Competition: The 2007 Student Design Competition is a competition for students to design a house for Habitat for Humanity. The competition is held every year and is a great way to get involved in the community.

Gator Trax

The Engineering GATOR TRAX is a competition for students to design a house for Habitat for Humanity. The competition is held every year and is a great way to get involved in the community.

Habitat for Humanity

Come out and help provide a home to a hard working, well-deserving family through Habitat for Humanity. It is a fun and rewarding experience as you help your friends and family. Contact Dave Coleman at (813) 941-1111. The next construction date for ASME is November 2, 2007.



Traveling: Florida Rock

Because the plant is now 24 hours a day, 365 days a year, mechanical engineers are vital when any type of problem arises because of any part of the plant fails. The whole plant holds down.

After traveling great distances, ASME 41 is pleased with the results of this event. ASME 41 will stop there, look for



- **Hold hope:** ASME 41 has participated in this program for over a year and has added many different students. The goal of this program is to help the program students.
- **Completion of Florida by the ASME 41:** Completion of Florida by the ASME 41.
- **Successful completion of pre-engineering studies at a community college:** Successful completion of pre-engineering studies at a community college.
- **Successful completion of engineering studies at a university:** Successful completion of engineering studies at a university.



ASME T-Shirt for \$10



American Society of
Mechanical Engineers

**ASME: Setting the Standard...
...in Engineering Excellence
...in Knowledge, Community &
Advocacy
...for the benefit of humanity**

Primary Address

ASME

231 MAEB, PO Box 116250

Gainesville, FL 32611-6250

ASME-UF is selling college-wide t-shirts! The t-shirts represent every major in the College of Engineering. The front side is shown on the left picture and the back is displayed on the right. T-shirts are sold at the ASME office in MAE-B 211.

ASME Southeast District F Website is Up!

In an effort to gather all the student chapters of the Southeast District F region of ASME, our district has created a website specifically for us. The website is an all inclusive one that links the events District F chapters host, in addition to having information about each chapter's officers and their respective emails. The next professional event, Student Professional Development Conference, will be hosted at Tallahassee, Florida in Spring 2008. Our hosts will be Tallahassee Community College and Florida State University.

Included in the website are hyperlinks to different parts of the ASME website. Some examples of links are: the ASME

Student Center, Unit Leadership Resource Center, and the Knowledge and Community Center.

Another function that the website serves is communication between the professional members of ASME and the student members. At the bottom of the page you will find the District F leaders, Richard Bunce and Burton Dicht. Feel free to surf the website and find some pretty handy information about what ASME can do for you. The website is <http://districts.asme.org/DistrictF/F-Student-Activities.htm>

The image is a screenshot of a web browser displaying the ASME Southeast District F website. The browser's address bar shows "http://www.asme.org/districtf/studentcenter". The website has a blue header with the ASME logo and "ASME Global Communities". Below the header is a navigation menu with links like "Home", "About Us", "Contact Us", etc. The main content area features a large "Southeast District F" logo and a section titled "Student Section Activities". This section is divided into two columns: "Student Professional Development Conference (SPDC)" and "Student Leadership Conference (SLC)". The SPDC column lists "Spring of Each Year" and "Fall of Each Year" with bullet points. The SLC column lists "Fall of Each Year" and "Spring of Each Year" with bullet points. The bottom of the page has a footer with "© 2007 ASME" and "1/2007".