

# The Wrench

A Newsletter

for

**ASME-UF**



February 2007

American Society of Mechanical Engineers

www.mae.ufl.edu/asme

## WELCOME TO ASME!

Welcome to the University of Florida's chapter of ASME! ASME is a professional organization that will help connect you to the greater Mechanical Engineering community beyond UF. Being involved in ASME can help bring you not only career advice, leadership experience, design projects, and new friends, but also a lot of fun!



### YOUR OFFICERS

<b>President:</b>	Ryan Jones
<b>VP External:</b>	Mike Maxim
<b>VP Internal:</b>	Sarah Fisk
<b>Treasurer:</b>	Brian Rosenberg
<b>BC Representative:</b>	Joe Windle
<b>Secretary:</b>	Rochelle Willard
<b>SSC Coordinator:</b>	Megan Daly
<b>Webmaster:</b>	Jonathon Jeske
<b>Outreach:</b>	Chris Coleman
<b>Historian:</b>	Brandon Crone
<b>Newsletter:</b>	Andrew Kobyljanec
<b>Membership:</b>	John Harrell
<b>Publicity:</b>	Raymond Sierra
<b>Programs:</b>	Marshal Thomson
<b>SS Contact:</b>	Yury Penske
<b>IR Coordinator:</b>	Chariz Figueroa
<b>E-Fair:</b>	Scott Hungerford
<b>Advisor:</b>	Dr. Lear



### FEBRUARY FEATURE



photo from ME Magazine

### Introducing the Aptly Named Very Light Jet

From ME Magazine "Very Light and Fast", Jan. 2007

As many UF students probably know, buying a business jet is often a drag. However, the days of heavy, expensive jets may be over now that the FAA approved Cessna's new 'Very Light' jet, the Mustang. Weighing in at less than 4 tons, the Mustang costs a student-friendly price of only \$2.5 million! Prices that low are music to the ears of many executives who need to hop from small airport to small airport, or just need to take a short vacation.

(cont. on page 2)



### FEBRUARY AT A GLANCE

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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

- > General Body Meetings
- > Anheuser Busch Tour
- > HPV / HPS Meeting
- > Social Events

GatorTrax - 3rd and 17th  
Rock Climbing - 6th  
Bowling Birthday Bash - 22nd

For more dates, times, and details, see page 2...



**JOIN ASME!**



There are many benefits to becoming a national member of ASME. For more information, flip the page!



## **Join ASME!**

### What are the benefits of joining?









- > You must be a national member to become an officer and to attend major events (such as the Regional Conference) as well
- > Participants of any ASME related project must also be national members.
- > ASME provides e-mentoring guidance for students
- > ASME also provides the latest information on careers, internships, co-ops, and scholarships for Mechanical Engineers
- > ASME's monthly publication, *Mechanical Engineering*, is saturated with pertinent information on the profession

### How do I join?

- > Go to ASME's student webpage:  
[www.asme.org/communities/students](http://www.asme.org/communities/students)
- > A year's membership is only \$25
- > Freshmen can become national members for free!

## **FEBRUARY AT A GLANCE**

### Upcoming Events in February:

-  > February 3 : GatorTrax  
-8:15 AM - 12:00 PM Santa Fe CC Building S
-  > February 6 : Rock Climbing  
-6:00 PM Sun Valley Gym (on Newbury Rd)
-  > February 13 : General Body Meeting  
-6:15 - 7:00 PM MAE-B 211
-  > February 15 : HPS Meeting  
-6:30 PM Solar Park (SW 23rd Terrace)
-  > February 17 : GatorTrax  
-8:15 AM - 12:00 Santa Fe CC Building S
-  > February 22 : Bowling Birthday Bash  
-Time TBA Reitz Gameroom
-  > February 24 : Anheuser Busch Tour  
-Details TBA
-  > February 27 : General Body Meeting  
-6:15 PM MAE-B 211

## **JANUARY FEATURE**

### Continued from page 1




Advances in materials, avionics, electronics, and manufacturing have all made the Mustang and its competitors possible. Combine this with the hassle of traditional hub-and-spoke models of air travel, and you suddenly have a demand for these Very Light Jets. Opportunities for all types of engineers are certainly going to be strong in this economy for years to come as the technology matures even more.

However, the Ultra Light Jet is no guaranteed to 'take off' as much as the hype. Large costs associated with piloting and maintaining planes make air travel an economy of scale, as one is sure to notice while standing in line at security! Whether or not these Ultra Light Jets succeed depend a lot on how much people are willing to pay for the convenience of being able to land at any one of 5,000 small airports across the country.

<http://www.memagazine.org/contents/current/features/verylight/verylight.html>

## **GET INVOLVED!**

### Get involved in one of ASME's design projects:

-  > [Human Powered Submarine](#)  
-Ryan Jones (rkj45@ufl.edu) and Joe Windle (jchevy5@ufl.edu)
-  > [Human Powered Vehicle](#)  
-Ryan Jones (rkj45@ufl.edu)
-  > [ASME Student Design Project](#)  
In light of the recent tsunami disaster in south-east Asia, the design goal for this year's competition is to mechanically heat a quantity of water to boiling point without using only power provided by a person. Often times rural communities in vulnerable countries have little clean water, and disasters only compound this problem. A viable solution must be portable, run only by the power generated by its user, and be able to heat water enough to boil it. The competition will be held in Gainesville at the Regional Student Conference.

### There are also several leadership opportunities for any ASME member:

-  > [Fund-raising Committee](#)  
-Brian Rosenberg (bjr86@ufl.edu)
-  > [Regional Student Conference Planning Committee](#)  
-Megan Daly (megs15@ufl.edu)



## **NEW OFFICERS!**

*Congratulations to ASME's new officers!*

This semester three new officers were chosen to join ASME's 18-strong officer corps. In addition, a new president was elected to serve the 2007-2008 school year.

- > Scott Hungerford will be responsible for ASME's involvement in this year's E-Fair.
- > Brandon Crone, the new Historian, will be taking pictures at all ASME events.
- > Chris Coleman will be handling ASME's service opportunities, some of which are listed on this page.
- > Marshal Thomsom was elected President at the last General Body meeting, and will spend this semester working with the current President Ryan Jones as he learns the responsibilities.

Executive Board positions will be open for election at the end of this semester, and all other officer positions will be chosen by the current executive committee in April as well. There are many ways to get involved as well, so feel free to talk to an ASME officer with any question you may have!



## **ASME SERVICE**

### > **GatorTrax**

GatorTrax is a program run by the College of Engineering geared towards middle-and high schoolers with an interest in science and engineering. On alternating Saturdays, volunteers assist in the lesson, and in the application portion of learning!

### > **Habitat for Humanity**

ASME has organized a construction day with Alachua County Habitat for Humanity on April 7 (note: Easter weekend). There are only 10 slots available, so contact Chris Coleman soon if you are interested!

### > **Relay for Life**

Relay for Life is an annual fund-raiser held by the American Cancer Society in many communities throughout the spring. This is the first year ASME will be having a team. Please contact Brian Rosenberg, the team captain (bjr86@ufl.edu), for details.

For anything related to ASME's service opportunities, contact our Outreach Chair Chris Coleman.



## **ANY QUESTIONS?**

Stop by our lounge next to room 211 in MAE-B and ask an officer! You can also e-mail us at :

[asme@grove.ufl.edu](mailto:asme@grove.ufl.edu)