

# the ME Pipeline

Department of Mechanical Engineering Newsletter

## FROM THE CHAIR - GET INVOLVED!

It is mid-semester. You are all busy with homework, projects and academic activities. I hope you allocate time to undertakings related to your studies like Formula SAE, student chapters of professional organizations, etc. There are many opportunities available - JUST ASK FOR IT. Faculty members are always looking for help; high school students, interested in science and technology, are looking for mentors. These activities provide you with technical experience, but more important develop stronger communication and team working skills.

## OWLS RACING

Owls Racing is back! Our determination to succeed is bigger and stronger than ever. The 2006 team set the bar, 41st in the endurance race and 53rd overall of 140 registered teams.

Our goal was to reduce the chassis weight without sacrificing torsion rigidity and safety. Led by Luis Carlos Varela and Jared Williamson, the design for the 2007 Formula SAE race is 25% lighter, coming in at 60 pounds.



Kyle Millay, Suspension Team Leader, is fabricating the front upright fixture, bearing carrier and upper camber shoe.

Owls Racing Team sends a **thank you** to Olegaria and Jackie of **OJP Services, Inc. of Boca Raton**. Their generous donation allows for the fabrication of the chassis and front suspension components possible. Check us out [www.owlsracing.com](http://www.owlsracing.com).

## CONGRATULATIONS!

The team of **Paul Baker, Brett Beardslee, Carlos Castillo, and Evan Zafir** won the Newspaper Bridge challenge in Dr. Mazouz's Fundamentals of Engineering class. What will they think of next? Stay tuned to see results of the next challenge.



## TECHNICAL ELECTIVES on the SCHEDULE

Interested in Mechatronics? Solar Energy? or other technical elective for spring or fall semester? The ME department will add a new class to the schedule if 12 or more students sign a petition to show their interest.

## JOIN PROFESSIONAL ORGANIZATIONS

Many organizations offer low-cost student membership. Take advantage, join one or more today.

**ASHRAE** - American Society of Heating, Refrigerating & Air Conditioning Engineers  
[www.ashrae.org](http://www.ashrae.org) (\$16 annually)

**ASME** - American Society of Mechanical Engineering  
[www.asme.org](http://www.asme.org) (\$25 annually)

**NSBE** - National Society of Black Engineers  
[www.nsbe.org](http://www.nsbe.org) (\$10 annually)

**SAE** - Society of Automotive Engineers  
[www.sae.org](http://www.sae.org) (\$10 annually)

**SHPE** - Society of Hispanic Professional Engineers  
[www.shpe.org](http://www.shpe.org) (\$5 annually)

**SWE** - Society of Women Engineers  
[www.swe.org](http://www.swe.org) (\$20 annually)

## NEW ACADEMIC PROGRAMS

The College of Engineering announced two new programs: BSME to MS, a direct program from BS to MS; and BS/Ph.D. a direct program from BS to Ph.D. ME Department announce a new program - MS in Mechanical Engineering with minor in Engineering Management. For additional information, please contact Dr. Cai, [caig@fau.edu](mailto:caig@fau.edu).

## UP CLOSE AND PERSONAL with . . .



**Dr. Gary Salivar, Assistant Dean and Professor**

Where did you attend college?  
University of Missouri – Columbia.  
What course did you struggle with  
and how did you get through it?

Humanities; very carefully and painfully. What type of music do you like and who is favorite musician? Rock and Led Zeppelin. What are the best and worst jobs you had? Best was offensive line coach for high school football team and worst was working in a brick manufacturing plant. Your favorite non-academic book is Muscle Cars of the 1960s. What makes you laugh? Everything. What are some favorite movies? 61, The Natural, Blazing Saddles, Three Stooges, The Titans, and I could go on. Favorite actor? Curly. What profession would you most like to attempt? Sports medicine and orthopedic surgeon. What profession do you not want to attempt? Professional dancer. If you won the lottery, what three things would you do with the money? In no particular order, start a youth baseball league, no adults allowed during the games; donate to programs that provide organized sports and educational assistance to disadvantaged young people; invest in future generation of my family's education; and a 1968 GTO.

## SCHOLARSHIP OPPORTUNITY!

Marathon Oil Corporation and Hispanic Scholarship Fund will award twenty \$10,000 scholarships this fall to sophomores. These scholarships are open to a number of minorities, not just Hispanics. Application and details can be found at [www.hsf.net](http://www.hsf.net), the deadline is 11/01/2006.

## INTERESTING WEB SITES

Have you seen TED? [www.ted.com](http://www.ted.com) Learn about the latest ideas in Technology Entertainment and Design – as well as business, science and the arts. Check out TED Talks; 'meet' Jeff Han, inventor of touch screen computers or Jimmy Wales founder of Wikipedia or the TED Blogs see and hear Malcolm Gladwell on spaghetti sauce and your business!

The Mechanical Engineering Magazine is online – check it out [www.memagazine.com](http://www.memagazine.com) Articles on From Skateboards to Factory, Nanotechnology, Car Parts From Plastic Bottles and more in this month's issue.

Convert many measurement systems metric, avoirdupois, and exotic systems from Ancient Greeks and Romans [www.convert-me.com/en/](http://www.convert-me.com/en/) or check out [www.digitaldutch.com/unitconverter/](http://www.digitaldutch.com/unitconverter/)

## UPCOMING EVENTS

Thursday October 12, 12:30 PM lobby of Engineering Building: **Engineering Design I project** – automatic basketball shot competition! Check out the action.

**Career Day** is also October 12, 10:00 – 3:00 in the gymnasium. Motorola is pre-screening co-op and employment opportunities. Check other companies [www.fau.edu/cdc/Students/careerday.htm](http://www.fau.edu/cdc/Students/careerday.htm)

## T-SHIRT DESIGN CONTEST

Engineering week is February 18 – 24, 2007 [www.eweek.org](http://www.eweek.org); the College of Engineering & Computer Science seeks designs for a t-shirt! Your design cannot incorporate FAU's name or logo. Submit your design either electronically (300 dpi preferred) or a sketch to Tamsyn Carey, B36/ Room 170 [tcarey2@fau.edu](mailto:tcarey2@fau.edu) Good Luck - can an ME student win? DUE: **Friday, October 27th, 5:00 P.M.**

## DECEMBER GRADUATES

Let us know your plans so we can recognize you in our December publication! Are you continuing with your education? Employment? Backpacking thru the Himalayas? Want to continue receiving the ME Pipeline? Email Trudy [jeffries@fau.edu](mailto:jeffries@fau.edu) or KC [kcoyle1@fau.edu](mailto:kcoyle1@fau.edu).

## ACADEMIC CALENDAR REMINDER

**10/13:** last day to drop or withdraw without an F  
**10/23 – 10/29:** Homecoming Theme is “*Lights, Camera, Action: A Hollywood Affair*”  
**11/08:** Spring 2007 semester registration begins  
**11/13:** Last day to submit Doctoral Dissertation  
**11/20:** Last day to submit Master’s thesis  
**11/23 – 11/26:** Closed for Thanksgiving

## TUTORING REMINDER

Engineering Student Services Room # 170

### Mechanical Engineering

Monday/Wednesday 10:00 AM – 3:30 PM  
Tuesday 10:00 AM – 2:00 PM  
Friday 1:00 PM - 5:00 PM

### Programming

Wednesday 8:00AM – 6:00 PM  
Thursday 8:00AM – 2:00 PM  
Friday 8:00AM - Noon

## NEED HELP WITH WRITING PROJECT?

University Center for Excellence in Writing is a FREE service for undergraduate and graduate students to improve your writing. Attend a workshop – APA style or Avoid Plagiarism or Beyond Google! Located in Social Science Building Room 107; or make an appointment online [www.fau.edu/UCEW](http://www.fau.edu/UCEW)

## JEFF’S MACHINE SHOP BITS & TIPS

Jeff wants to remind students, all work must have a blueprint, no exceptions! ATTENTION Engineering Design 2 Students: **Time is short**, start NOW – remember **first in - first out**. He is available to review design, consult on materials – call for appointment 297-3427 or email [jwebb@fau.edu](mailto:jwebb@fau.edu).

## RECOGNITION, SHOUT OUTs and KUDOs

Trudy sends a BIG Thank You to faculty, colleagues, and students who supported her in the “Heart Walk”. She collected \$215, the College of Engineering raised \$2059.50, and FAU was 1st in fund-raising. And a special thank you to Dr. Mazouz and Veronica Puga for keeping her company on the walk!

Want to send a thank you or KUDO? Recognize birthdays, an achievement, yours or classmates? Send an email to Trudy [jeffries@fau.edu](mailto:jeffries@fau.edu).

## TRUDY’S CORNER

Check out Office Depot or Corporate Express [www.fau.edu/business-services/student.php](http://www.fau.edu/business-services/student.php). As a student, you may purchase supplies at a discount.

I just returned from New Orleans; checking my family’s progress rebuilding their lives after Hurricane Katrina. Thank you all for inquiring now and a year ago on their safety – all homes were lost but my family and friends are healthy, relocated, and looking toward the future.

## CO-OP / PART-TIME OPPORTUNITIES

Lockheed Martin, Riviera Beach has three openings, and Disc Motion, Boca Raton has one. Check out the postings in the ME Office or the Engineering Career Development Office. Learn about these and more at [www.ecd.fau.edu](http://www.ecd.fau.edu), Science & Engineering Building Room 103, or call Arlene Gault at 297-2694.

## BOOKS – BOOKS – BOOKS

Check out these websites for discounted and/or used books. [www.abebooks.com](http://www.abebooks.com), [www.half.com](http://www.half.com)  
[www.bestbuybooks.com](http://www.bestbuybooks.com), [www.ecampus.co](http://www.ecampus.co).

## LOST and FOUND

We are looking for owners of lost objects! Sunglasses, keys, earrings, flash drives, and items left in classrooms, lobby, etc. in the engineering building. Stop by the ME office (room 120), ask for Trudy.

## ME FACULTY OFFICE HOURS

Name	Days	Hours	Email
Amir Abtahi	M W T TH	10:00 – 12:00 10:30 – 12:00	abtahi@fau.edu
William Bober	M W F T TH	2:00 – 3:30 11:00 – 12:15	boberw@fau.edu
George Cai	T TH	9:00 - 12:00	caig@fau.edu
Leif Carlsson	M W F	1:00 - 3:00	carlsson@fau.edu
Isaac Elishakoff	T TH W	3:30 – 5:30 3:00 – 5:00	elishako@fau.edu
Gopal Gaonkar	M W F	4:00 – 5:30 4:00 – 7:00	gaonkar@fau.edu
Kader Mazouz	MWF T TH	10:00 – 11:00 11:00 – 1:00	mazouz@fau.edu
Oren Masory	T TH	9:30 – 11:00 2:00 – 5:00	masoryo@fau.edu
Davood Moslemian	M W F	11:00 - 1:00	moslemian@fau.edu
Gary Salivar	T TH W F	11:00 - 12:00 11:00 – 12:00	salivar@fau.edu
Joe Su	M W F	11:00 - 1:00	su@fau.edu
C.T. Tsai	M W F M W	10:00 - 11:00 2:30 – 4:00	tsaict@fau.edu