We put the “M” in Texas A&M

10/13/2014

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**MindSumo Challenges**
Please take a look at the newest MindSumo mechanical engineering challenges linked below. MindSumo challenges are a great opportunity to get work experience by applying the skills you're learning in classes, win cash prizes, and prove yourself to potential employers. As a refresher, this video gives a great overview of how MindSumo helps students across the country - [https://www.youtube.com/watch?v=jcr3KFN_0PY](https://www.youtube.com/watch?v=jcr3KFN_0PY)

Please take a look at these Mechanical Engineering projects from MindSumo. MindSumo projects give you work experience from impressive companies and also have cash prizes for the brightest solvers.

- **How can our aerospace products be applied to new markets? By Northrop Grumman** - $1000 in prizes
- **Design the Next-Generation Tablet Case by Targus** - $1000 in prizes
- **Create the next generation of water bottles! By Nestle** - $1000 in prizes

Questions can be directed to aaron@mindsumo.com

**L-3 Communications Recruitment**
L-3 will be on campus next week and will be hosting an information session about co-op and full time positions in Aerospace, Computer, Electrical, and Mechanical Engineering. See the attached flyer here for more information.

**REACH Internship in Germany**
Qualified undergraduate students will be offered the opportunity to complete a 2-month research internship at Ruhr-Universität Bochum, Germany. The internship will take place in June and July 2015, with an extension option available.

During the internship American undergraduates will work hands-on with a Bochum professor (the research mentor) and doctoral student in an ongoing research project. The Bochum research mentor will set the application requirements (listing of skills and prerequisites needed) and will have the final say in the acceptance of students for his/her laboratory. Each internship will be individually designed within the framework of the areas offered and must meet approval of the American partner university in order to be pre-approved as internship credit or a directed study credit.
Germany Exchange Program- Ruhr University Bochum
To find out more about the exchange program at the Ruhr University Bochum in Germany see attached.

AT&T Technology Showcase in AGGIELAND
On campus Oct 22nd, 2014? So is AT&T and we invite you to join us for a GREAT night of fun! Enjoy music, food, prizes, a photo booth, professional headshots, AT&T executive speakers, and best of all, an opportunity to network with AT&T Aggie Alumni and the College Recruiting Team. This is an event you won’t want to miss!

Grab your gear and meet us at the MSC:
Tuesday, October 22nd
4:00 to 7:00 pm
BALLROOMS D&E - Memorial Student Center

Register for the event at https://www.eventbrite.com/e/att-technology-showcase-in-aggieland-tickets-12826661891 and you will be also entered for a chance to win one of our cool prizes, including an Apple iPad mini, Jawbone Jambox, KateSpade handbag, and much more!

We look forward to meeting YOU at AT&T Day!

India Engineering Research Abroad Opportunity
(ENGR 485, 3cr)
A 10 week research internship for summer 2015 is available at IIT-Kanpur (http://www.iitk.ac.in), one of the finest engineering institutes in the world. Eligibility requirements include a minimum 2.5 GPA and good academic standing. There are tri-fold pamphlets available in the 200 MEOB office. For more information, including scholarship opportunities, please visit https://studyaborad.tamu.edu

SophoMORE Week
Engineering Academic and Student Affairs invites YOU to attend the inaugural SophoMORE Week! SophoMORE Week is a series of fun and FREE events for second-year students, designed to help develop skills beyond the classroom and provide you with resources to help you make the most of your second year of college. Join us October 14-17 for an exciting week of events!

SophoMORE Week: Making the Most of YOUR Second Year
Door prizes will be awarded at each event!

Tuesday, October 14: Network with YOUR cohort!
7-8 p.m. in the Zachry Lobby
Speed Friending & ice cream social  
Meet new people and enjoy FREE ice cream!  
[RSVP Here!]

**Wednesday, October 15: "Linner" with Engineering Academic Advisors!**  
2-3 p.m. on the Zachry 3rd Floor Platform  
Get to know academic advisors outside of the routine office appointment  
(Food will be provided)  
[RSVP Here!]

**Thursday, October 16: Career & Professional Development**  
6:30-8 p.m. in Rudder Tower 402  
An evening filled with information on career development and professionalism,  
global opportunities in the College of Engineering, and  
research opportunities, such as the Undergraduate Summer Research Grant (USRG) program!  
(Refreshments will be provided)  
[RSVP Here!]

**Friday, October 17: SophoMORE Social**  
7-8 p.m.  
FREE Bowling @ Grand Station  
Relax and enjoy yourself on a Friday night!  
*Limited to 80 people – RSVP required to participate in this activity*  
[RSVP Here!]

We look forward to a week-long celebration of YOU!

**Important Advising Office Appointment Information**  
Howdy! We hope you are having a great start to the school year! The Mechanical Engineering Advising Office is structuring appointments differently this year.

- We have moved to an online appointment scheduling system. You can login and schedule an appointment with an advisor at least 24hrs up to 14 days in advance.
- For spring pre-registration advising, we will hold individual appointments according to the schedule below.
- We will also be holding group advising sessions in an effort to communicate information more effectively and provide an opportunity for Q&A. Information relevant to the target audience will be presented, then all three academic advisors will be available for general questions.

**Individual Appointments**
Seniors graduating in the next three terms: SEPT 29-OCT 31  
MEEL (lower level) students: NOV 3- NOV 7  
MEEN (all other students): OCT 13-31
Group Advising Sessions
Seniors graduating in the next three terms: OCT 1, 3:30-4:30pm, MEOB 301
MEEL (lower level) students: OCT 30, 4-5pm, MEOB 301
MEEN (all other students): OCT 14, 3-4pm, MEOB 301 and OCT 22, 4-5pm, MEOB 501

TAMU registration schedules will be posted later in the semester and can be found here: http://registrar.tamu.edu/Current/RegSchedules.aspx
TAMU academic calendar can be found here: http://registrar.tamu.edu/General/Calendar.aspx

Fall 2014 Graduation Information
If you are graduating in Fall 2014, the Advising Center would like you to set up an appointment with an advisor as soon as you can. We want to make sure those students planning on graduating in December are addressing all of their BSME requirements in their final semester(s).
If you are graduating in December 2014, the typical window for Application for Graduation is between mid-August to the end of September. More information will be available later on the TAMU Graduation Application website: http://graduation.tamu.edu/applica.html
Also, there is a lot of other good information that can be found at the TAMU graduation website http://graduation.tamu.edu/.

Academic Success Center
Wednesday Workshops—Fall 2014
Registration for the ASC Workshops is required! Students can register at ers.tamu.edu or go to our website for more details. All workshops are on Wednesdays from 1:50-2:40 p.m. and 3-3:50 p.m. in HECC 202 unless otherwise noted. SuccessCenter.tamu.edu

“I’m Late, I’m Late!”
(Time management strategies and dealing with procrastination)
Wednesday, September 17 and Wednesday, October 29

“Do I Have to Buy the Book?”
(Concentration, reading comprehension, textbook reading strategies)
Wednesday, September 24 and Wednesday, November 5

“Why Do I Have to Write That Down?”
(Forgetting curve, note-taking techniques)
Wednesday, October 1 and Wednesday, November 12
“My Mind is Blank”
(Test anxiety, test-taking skills)
   Wednesday, October 15 and Monday, December 1

“Memory Matters”
(Information processing, types of knowledge, self-regulated learning, understanding retention)
   Wednesday, October 22 and Wednesday, November 19

“Do or Die: Finals Preparation”
(Prioritizing study tasks for finals; 5 Day Study Plan)
   Wednesday, December 3

**Academic Services Handout (tutoring/study help)**
Attached is the Academic Success Center’s academic services handout for tutoring/study help.

**AggieSat Lab Opportunity**
AggieSat Lab is a hybrid student organization and engineering lab building a satellite with an autonomous rendezvous and docking system in collaboration with NASA-Johnson Space Center and the University of Texas at Austin. It is a great way for students of all levels and disciplines to get hands on engineering experience, make professional contacts at NASA and other aerospace industry leaders. To learn more contact andrewshell@tamu.edu

**TOTAL Presentation and Networking Event**
TOTAL is a leading multinational energy company with over 97,000 employees and operations in more than 130 countries. Together with its subsidiaries and affiliates, TOTAL is the fifth largest publicly-traded integrated international oil and gas company in the world. TOTAL engages in all aspects of the petroleum industry, including Upstream operations (oil and gas exploration, development and production, LNG) and Downstream operations (refining, marketing and the trading and shipping of crude oil and petroleum products). TOTAL is also a major player in chemicals (base and specialty chemicals). In addition, TOTAL has interests in the coal mining and power generation sector and is developing complementary next generation energy activities (solar, biomass, nuclear). They are holding an event on campus at the Jon Hagler Center on October 17th 8:00-11:30am. See attached handout for more information.

**Young Professionals in Energy – College Station Chapter**
YPE is a non-profit organization with a primary focus on facilitating the networking and advancement of the careers for young professionals in the energy industry. We do this by providing social, educational and civic service opportunities here in the Brazos Valley. As you know, the oil and gas industry has grown exponentially in this region over the past few years, and with this growth offers substantial opportunities
that simply did not exist previously. While currently primarily comprised of landmen, our goal is to broaden our base with other disciplines, including engineers, geologists, attorneys, accountants, etc. This is why we are asking for assistance in spreading the word to the mechanical engineering department, specifically upper classmen, graduate students, and professors who are interested in the oil and gas field. We have attached a flyer and a PowerPoint from YPE.

**The Council of Undergraduate Research in Engineering (CURE)**

The Council of Undergraduate Research in Engineering (CURE) is a student organization that helps connect undergraduates in the college of engineering with research opportunities at Texas A&M. Undergraduate research experience is becoming increasingly important for careers in science and engineering. If you would like to learn more about research or become involved with CURE, please take a moment to fill out this brief survey:

https://www.surveymonkey.com/s/57NQ7DX

**TURTLE Robotics Team**

We have initiated the first robotics team at Texas A&M and are looking for ME undergrads who would be willing to work in team projects and participate in competitions. This is a great platform for students work in group projects, innovate, and sharpen their engineering skills. We are looking for motivated students who can handle responsibility, lead teams and take initiatives. Click here to see the flyer and here for the application.

**Kappa Theta Epsilon (Co-op and internship honor society)**

Dear Aggie Co-op/Intern:
We would like to invite you to join Kappa Theta Epsilon (KTE), the Co-op and internship honor society. KTE recognizes those that have had a Co-op or an internship and have excelled academically and encourages other students to participate in Co-ops or internships. We require all members to have had experience in either a Co-op or an internship and have a GPA of 3.0. For more information please contact the president Priya Patel at ktetamu@gmail.com

**Goldwater Scholarship**

The Goldwater Scholarship is the premier award for undergraduate Science, Technology, Engineering, or Mathematics students interested in pursuing a career in research or academia. To be eligible for the award, students must:

- Be a US Citizen or be planning to become a US Citizen
- Have Sophomore or Junior academic standing
  - A Sophomore is a student planning two more years of full-time undergraduate study
  - A Junior is a student planning one more year of full-time undergraduate study
- Have a GPR of 3.8 or higher
• Have extensive research experience
• Be planning to pursue a Ph.D and a career in scientific research
  o Students who plan to study medicine are eligible for a Goldwater Scholarship only if they plan a research career rather than a career as a medical doctor in a private practice.

The campus deadline to apply for this award is November 7, 2014. Interested students can e-mail Jamaica Pouncy, the National Fellowships Coordinator, to make alternate arrangements if they are unable to attend any of the advertised sessions. Please encourage your students to apply for campus nomination and if you have any questions or concerns, feel free to contact me (Jamaica.Pouncy@tamu.edu).

**S&B Engineers and Constructors Job Opportunity**

S & B Engineers and Constructors, Ltd. will be holding on-campus interviews at Texas A & M University College Station on Monday, November 3, 2014 from 8:30 a.m. until 5:00 p.m. S & B has full-time career opportunities in Houston, Texas. The S & B family of companies is focused on providing engineering, procurement, construction, maintenance and turnaround services to the power, petrochemical, refining, pulp and paper and public sector clients. There are two job postings for seniors graduating (May 2015) with a BSME on www.HireAggies.com (ID’s 58652 and 58653). S & B offers competitive benefits and wages for full-time employees and we are an equal opportunity employer. Please see the individual job postings on www.HireAggies.com for full details of the job postings.

**ID 58653 – Mechanical Specialist 1 (MS1)** is an entry-level position focusing on engineering design of mechanical equipment (static pressure equipment, heat exchangers / heat generating equipment, rotating machinery – compressors, pumps, blowers, fans, and general packaged equipment skids) used in refining, power, chemical and other industrial environments.

**ID 58653 – Pipe Stress Specialist 1 (MS1)** is an entry-level position focusing on the stress analysis of mechanical piping systems used in refining, power, chemical and other industrial environments.

**Global Distribution Study Abroad 2015**

The Industrial Distribution Program is now accepting applications for the Global Distribution Study Abroad 2015 course (IDIS 445 and ENGR 410). The courses are open to all sophomores, juniors, and seniors majoring in Engineering, and must have good academic standing. The class will be held in the first summer session, and we will be spending 12 days traveling throughout China. The flyer is attached.


If you have any questions, please do not hesitate to contact peggyjo@tamu.edu

**Hiltner Combustion Systems Job Opportunity**

Hiltner Combustion Systems is a small engineering firm focused on the development of heavy duty stationary and mobile natural gas and dual fueled engines located in the beautiful Pacific Northwest. HCS works directly with engine manufacturers to develop new technologies and new engine platforms aimed
at higher engine performance and lower emissions. The HCS engine test facility is located near Bellingham, Washington and consists of multiple engine test cells capable of running engines up to 1200 kW on a range of fuels under conditions typical of the heavy duty engine industry. HCS engineers combine engine testing with detailed analysis and simulation to provide complete combustion system and control system solutions for engine OEM’s and end users seeking to improve engine efficiency, reduce emissions and develop new technologies.

Attached is a position description for a job opening at HCS. They're looking for undergraduates with good hands-on skills and background in engines or combustion systems.

**Hiring Lab Assistant: Vibration Control and Electromechanics Lab**
Hiring Lab Assistant: Vibration Control and Electromechanics Lab; Director Dr. Alan Palazzolo, Pay rate $10 / hr., 10 - 20 hours per week, Availability over part of the winter break, machining, mechanics, electrical skills are desirable. Please email resume and transcripts to a-palazzolo@tamu.edu

**NEW: Data Center Operations Engineering Certificate**
We have started a new certificate, namely the "Data Center Operations Engineering Certificate". The website for the certificate is http://engineering.tamu.edu/academics/certificates/data-center-operations-engineering-certificate and some internship opportunities are explained in the attached file. In addition, we are working on getting some scholarships for students on the certificate. If you are interested, the website has an application and worksheet that you can fill out. Information is attached here.

**Spain Study Abroad Summer 2015**
Mechanical Engineering students are eligible to apply for the Summer 2015 study abroad trip in Spain. This study abroad program is intended to provide TAMU students and faculty with an in-depth experience with Spanish language, culture, history, government, and economy; consists of two upper-level courses instructed using an integrated teaching methodology have field trips to construction sites that would involve direct interaction with design and construction professionals. Scholarships and funding are available in many forms. Attached is a flyer and powerpoint with more information.

**MSC Stark Northeast Trip**
Is law or Business School in your future? Then don't miss the J. Wayne Stark Northeast Trip. Visit Universities in Chicago, New York, Boston and more! January 11-20, 2015. Informational and application deadlines are included in the attached flyer.
Applications open for MS in Finance
We just wanted to take this time to remind you that the application for the Master of Science in Finance program at the Mays Business School, Fall 2015 is now open! With the first priority deadline fast approaching (October 30, 2014) we are hoping to see an application from you soon! We have two upcoming Informational Sessions which may be of interest to you as you make your decision about a career in the Finance Industry.

GKN Aerospace Job Opportunity
GKN Aerospace is looking for business-minded engineering candidates interested in and well-qualified for a rotational leadership development program in aerospace manufacturing.

The Aerostructures Leadership Development Program (ALDP) is designed for qty.(3) six-month rotations, each at a different one of GKN Aerospace’s manufacturing facilities. At each facility, the participants will be employed in a different functional/operational role, providing the opportunity to develop an understanding of the business and to develop the leadership skills to prepare for future roles. We are searching for individuals with a technical background paired with strong leadership skills. Candidates must have strong communication skills, be flexible in their interests, and willing to move from facility-to-facility, all over the country.

We are currently hiring students with Bachelors or Masters degrees, graduating in the Dec ‘14/May ‘15, for full-time positions. This listing has been added to our Careers website. It will be found by searching ‘ALDP’ at careers.gkn.com.

TAMU-Qatar Application for Summer 2015
In summer 2015, ALL engineering majors are eligible to apply to TAMUQ for a 5- or 8-week term. Twenty (20) students will be selected. The best part is that the College of Engineering covers the majority of the cost for the students while at TAMUQ (flight/dorm/meals/international health insurance).

Tenaris
The college of engineering has once again partnered with TENARIS to offer international internships for sophomore, junior, and senior students (except graduating seniors of May/August 2015). This is a great opportunity to combine two of the most valuable high impact learning activities in one summer: Study Abroad and Internship.

The Tenaris International Internship Program offers the best combination of work experience, learning skills and getting immersed in a new culture. This program represents an opportunity for students, in intermediary study years, to be part of a global manufacturing environment working on challenging assignments and real-world engineering projects.

Program Duration: 8 to 10 weeks
Tentative Start Date: Beginning of June
3123 TAMU
College Station, TX 77843-3123
Email: tjacobs@tamu.edu
Tel. 979.845.1538  Fax 979.845.3081
Number of participants: 10 to 15
Host Regions: Latin America, South America, North America, and Europe

If you need to contact someone in the Undergraduate Advising Office, call 979-845-1252
Or e-mail Crystal Morris at cmorris@tamu.edu
If you need to speak to an adviser, try:
Rachal Thomassie at rthomassie@tamu.edu
Katelynn Graham at kgraham@tamu.edu
Doug Beck at dbeck@tamu.edu