School of MIME E-Bulletin

Weekly Newsletter for the School of Mechanical, Industrial, & Manufacturing Engineering at Oregon State University

February 13, 2012

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Useful Places...

- MIME Web Site
- MIME Online Calendar
- E-bulletin Archives
- College-Wide News: Momentum!
- Career Services and the Beaver JobNet

Feature Stories

Get ready to network and interview

As you have most likely heard by now the EECS-MIME Industry Reception is coming up on Wed, Feb 22 at 5:30 pm. At the reception, you will have the opportunity to network with representatives from the following companies who are recruiting MIME undergrad and graduate students:

- Boeing
- ConAgra Foods/Lamb Weston
- Garmin International
- Georgia-Pacific
- Google
- Greenberry Industrial
- Hewlett-Packard
- Hitachi Consulting
- Intel Corporation
- Linear Technology Corporation
- Longview Fibre Paper and Packaging, Inc.
- Pacific Power
- Pipeworks
- Sandia National Laboratories
- Tektronix
- USACE Hydroelectric Design Center

There are several things you can do to get the most out of this event.

1. **Register to attend** as soon as possible. Registration closes Feb 15.
2. **Upload your resume** so that we may share an electronic version with the companies that opt for it.
3. **Participate in mock interviews**. SME is hosting mock interviews for engineering majors on Tues, Feb 21 6–8 pm in the Batcheller lobby. Go to the COE Volunteer website to sign-up or contact Alexandria Moseley for more information.
4. **Attend Free Workshops**. Career Services is hosting several free workshops this week on topics ranging from using social media to creating a successful resume. Check out the Career

Contact Us...

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Join EWB for a festive evening and fund water projects

The **OSU Chapter of Engineers Without Borders** (EWB) supports sustained development by giving ownership to local communities abroad and young engineers from OSU. This summer, student engineers will travel to Kenya to oversee completion of a community well and expansion of a rainwater collection system at the Lela Primary School. To fund the project, EWB holds an annual banquet to raise money. This year, the banquet will be held at **6 pm on Feb 17 at the Corvallis Country Club** and will have project presentations, live entertainment, and delicious food. Please visit the EWB website for more information, to purchase tickets, or to make a donation to the project.

Mark Your Calendar

Below is a list of events that people have told us about and the listing is not intended to a comprehensive listing of everything that is happening on campus. If you would like an event to be included, please add it to the MIME Calendar or email the MIME E-Bulletin box with the details and we will post it for you. Most events are pulled from the online calendar to include in the E-Bulletin. Student group meetings are only listed in the E-Bulletin for the first meeting of each term.

Click here to go to the OSU Academic Calendar.

This Week

**Mon Feb 13**

**MIME Candidate Seminar:** *A Comparison of Alternative Propulsion Module Architectures for the International Space Station* presented by **Dr. Paul Componation** (University of Alabama). 2 pm, Covell 117 (MIME Library).

**Design and Mechanics Seminar,** presented by Chiradeep Sen. 3 pm, Covell 117 (MIME Library). Contact **Joe Piacenza** for more information.

**Wed, Feb 15**

**Registration ends** for MIME Winter Awards Banquet on Feb 29. Sign-up by 5 pm, Dearborn 102. All MIME Pro-School and Faculty are welcome and may bring a guest.

**Voting closes** for **ME/IME Teacher of the Year**.

**All IME Club Member Meeting.** 6–7 pm, Covell 117 (MIME Library). Contact **Clint Clow** for more information.

**Thurs, Feb 16**

**Materials Science Seminar:** TBA presented by **Dr. Ravi Eluri** from the Microproducts Breakthrough Institute. 3 pm, Covell 117 (MIME Library). Contact **Brady Gibbons** for more information.

**Fri, Feb 17**

**MIME Seminar:** *System Level Design Optimization* presented by **Dr. Raju Mattikalli**. 2:30 pm snacks, 3–4 pm talk. Covell 117 (MIME Library).

**Engineers Without Borders Water for the World fundraising banquet.** 6 pm, Corvallis Country Club.
**Plan Ahead**

**Mon, Feb 20**  
**Design and Mechanics Seminar**, presented by Robert Roedts of **Columbia Helicopters**. 3 pm, Covell 117 (MIME Library). Contact **Joe Piacenza** for more information.

**Tues, Feb 21**  
**Mock Interviews hosted by SME**. Slots are 6–8 pm, Batcheller lobby. Sign-up on the **COE Volunteer website** or contact **Alexandria Moseley** for more information.

**Wed, Feb 22**  
**OSU Career Fair**. 11 am–4 pm, CH2M HILL Alumni Center.  
**EECS-MIME Industry Reception**. 5:30 pm, KEC Atrium. Recruiting event for EECS and MIME students of all levels. Register by **Feb 15**.

**Thurs, Feb 23**  
**Engineering Career Fair**. 11 am–4 pm, CH2M HILL Alumni Center.  
**Materials Science Seminar**: "**Soft Magnetic Thin Film Applications at Radio Frequencies**” presented by Dr. Masahiro Yamaguchi, Dept of Electrical and Communication Engineering, Tohoku University. 3 pm, Covell 117 (MIME Library). Contact **Brady Gibbons** for more information.

**Sat, Feb 25**  
**Annual SWE Ball**. 8 pm, 101 NW 23rd in Corvallis. Contact **Allison Joyner** for more information.

**Mon, Feb 27**  
**Design and Mechanics Seminar**. 3 pm, Covell 117 (MIME Library). Contact **Joe Piacenza** for more information.

**Wed, Feb 29**  
**MIME Winter Awards Banquet** for all pro-school students and faculty. 5:30–7:30 pm, MU 109. Free food, raffle prizes, and great company. RSVP by **Feb 15** in Dearborn 102.

**Thurs, March 1**  
**Materials Science Seminar**: TBA presented by Sean Smith and Dmytry Khvostenko. 3 pm, Covell 117 (MIME Library). Contact **Brady Gibbons** for more information.

**Fri, March 2–Sun, March 4**  
**IIE Western Regional Student Conference**: "**So You're Graduating... Now what?**" OSU LaSells Stewart Center.

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**Announcements**

**Undergrad and School-Wide**

**GET YOUR CNC QUALIFICATION.** A CNC seminar will be held in the MIME Product Realization Lab **Feb 20–22, 4:30-7:30 pm**. The seminar will cover basic CNC programming using G-code and operation of the VMC15 and VMC4525 Fadal Milling Machines. Students who wish to receive their shop CNC qualification should attend this seminar. Reserve your spot by
emailing Brian Jensen as soon as possible because the seminar will be limited to 10 people.

**LEARN ABOUT THE HANFORD REMEDIATION PROJECT.** The Student Sustainability Initiative is hosting a lecture by remediation experts from the cleanup at Hanford Nuclear Reservation. The lecture will be **Thurs, Feb 23 at 5 pm** in Gilfillan Auditorium. All interested students, especially engineers, are invited to attend. If you have any questions, please contact Linda Richards.

**DANCE THE NIGHT AWAY.** You are cordially invited to the 7th Annual Society of Women Engineers (SWE) Ball. This year's ball has a Wild Wild Northwest theme, so come in your best country attire. The ball will take place at 101 NW 23rd (23rd and Monroe) on **Sat, Feb 25 at 8 pm** with an hour-long country western dance lesson. Music and refreshments will continue until 11 pm. Tickets are $7 each or $10 per pair in advance and can be purchased in Batcheller 151. Tickets will also be sold at the door for $10 each. Please join SWE for a night of country western fun. Contact Allison Joyner for more information.

**GET COACHED.** Now that we are halfway through the term, the Academic Success Center can help you autopsy your first midterms, set end of term goals, make a study plan, and learn test prep and test taking strategies. They have many tools including academic coaching, peer education training, supplemental instruction, a writing center, and information and referral services. There are three ways to set up an appointment: call (541) 737-2272, email a coach, or stop by the ASC at Waldo 102.

**PLAN FOR YOUR SUMMER STUDIES.** Mark your calendar - the summer schedule of classes has been released and registration begins **April 15**. And, for summer session, every student pays in-state tuition! Visit the Summer Session E-newsletter for more information or the 2012 Summer Session Fee Book for summer financial information.

**Faculty/ Staff/ Grad Students**

**ATTEND THESE WORKSHOPS FOR SUCCESS.** The Graduate School is hosting Hugh Kearns from Flinders University, to present workshops on Feb 20 & 21. Hugh Kearns is best known as a lecturer and researcher with international expertise in the area of self-management and his workshops got fabulous reviews from students and staff last year. He is offering several workshops: The 7 Secrets of a Highly Successful Doctoral Candidate (PhD candidates only), Turbocharge Your Writing (PhD candidates only), Presenting Your Research with Confidence, and Using Idea/Mind Maps in your Research. Click on each title for more information. Registration is required.

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**Scholarships, Fellowships, and Research Internships**

REU = Research Experience for Undergraduates
HYDRO RESEARCH FOUNDATION. The Hydro Research Foundation is seeking to fund OSU graduates who are completing their masters or post-master's research. The funds are worth $46,000–$79,600 each. Click here for more information and get your application in by March 1.

NSF-FUNDED REU AT OAKLAND UNIVERSITY. Apply now to participate in a REU in Automotive and Energy Research and Industrial Mentorship Program at Oakland University. The focus will be automotive and energy-related research topics in mechanical engineering with a special emphasis on technologies that aim to improve efficiencies of internal combustion engines, automotive manufacturing processes, automotive materials, alternative propulsion systems and lubrication and wear. Visit the REU website for more information and apply by March 9.

ZONTA SCHOLARSHIPS. Zonta of Corvallis is part of a larger service organization (Zonta International) that works to advance the status of women worldwide. Ten $2,700 undergraduate scholarships are available for OSU or LBCC students. Applications are due March 30. More information is available online or by contacting Sunny Welles by email or (541) 791-7209.

Job and Internship Opportunities

ALLEGIANT AIRLINES will be on campus Tues, Feb 14 to interview for a structures engineer, supply management engineer, and a planning intern among others. You can find out more at the information session TODAY in Career Services Classroom (Kerr basement) at 5 pm. Email your resume to the representative Cherika Best prior to the information session.

FRED MEYER is looking for engineering college students between their junior and senior year to work this summer in the dynamic world of retailing as Summer Interns at the Corporate Office in Portland, OR. They will be conducting interviews on Feb 23 & 24. Sign-up on BJN.

Here are some of the listings you will find when you search The Beaver JobNet for current postings:

- **NEW!** R&D Process Development Engineer at Micron Technology (closes Feb 20)
- RapidMade
  - Materials/Mechanical Engineer (closes Feb 27)
  - Design Engineer (closes Feb 29)
- Distribution Center Industrial Engineer at Toys R Us in Rialto, CA, Reno, NV, McDonough, GA, or Mt. Olive, NJ (all close Feb 29)
- Process Technology Internship at EJ Gallo (closes Feb 29)
- Georgia Pacific
  - Senior Staff/Project Engineer (closes Feb 29)
  - Entry-Level Program Engineer (closes March 9)
  - Manufacturing Engineering (closes March 9)
- Project Engineer Intern at BMWC Constructors, Inc (closes March 16)
- Mechanical Design Engineer (Entry Level) at Xerox (closes March 30)
- Mechanical Engineer at Northwest UAV (March 30)
Microelectronics Hardware Engineer at Biotronik/Micro Systems Engineering (closes March 30)
Senior Mechanical Engineer at Mill Power Inc (closes March 31)
WaferTech (both close April 30)
  - Manufacturing Opportunity Intern
  - Multiple Engineering and Facilities Intern Opportunities
Maxim Integrated Products (all close July 31)
  - Quality Control Technical Staff Member
  - Process Engineer NCG (MS or PhD)
  - Senior Process Engineer NCG (MS or PhD)
Logistics Engineer at Wal-Mart (closes Sept 20)
Technician/Programmer at CCI Automated Technologies (closes Oct 2)

For links to other MIME-related resources, click here.

For help with polishing your resume or cover letter, or for services such as mock interviews, workshops, and career counseling, visit OSU Career Services in Kerr Administration Building or online.

Forward newsletter submissions to mime.ebulletin@oregonstate.edu by Friday at 5 pm each week to appear in the following Monday’s issue. For access to past MIME E-Bulletins, visit the e-bulletin archives.