School of MIME E-Bulletin

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

February 20, 2012

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Feature Stories

One Last Chance to Attend the Industry Reception
Registration closed this morning for the EECS-MIME Industry Reception, but that doesn't mean that you missed your final opportunity to attend. We have a few spots left which will be given out on a first come, first served basis. Come to the KEC atrium by 5:15 pm on Wed, Feb 22 for your final chance at this excellent recruiting opportunity.

If you have already registered, you will have a spot at the reception. Please plan to be there and checked-in before 5:30 pm on Wed.

"So you are graduating... now what?"
The OSU Chapter of Industrial Engineers (IIE) is hosting the western regional student conference this year. The theme of the conference is "So You're Graduating... Now what?" The conference is March 2–4 and at the LaSells Stewart Center. This conference is open to everyone and is expected to draw around 150 students from 13 states. The conference will include presentations by speakers from the Pacific Northwest, student research paper competitions, team competitions, and industry tours of nearby companies. Register today!

Help the hungry in OUR community
Every February OSU partners with Linn Benton Food Share to launch a campus wide Food Drive effort that supports hungry people in our community. Last year, 12,300 people utilized the food pantries in Linn and Benton counties - that's 1/5 of the area's population! There are several ways that you can help.

Everyone:
1. Donate cash. Donations are tax deductible and go much farther for
the food bank than food donations. $1 can get them nearly 5 pounds of food! Can your dollar do that? You can donate and receive a receipt in Dearborn 102.

2. **Purchase raffle tickets** for a chance to win a Q'doba, Café Yumm, or Dutch Bros gift cards. Prices are $1 for 1 ticket, $3 for 5 tickets, and $5 for 10 tickets. Tickets will be sold in the BatLab (Batcheller 050)
   - Mon: noon–2 pm
   - Tues/Thurs: noon–2 pm, 4-5 pm
   - Wed: 1:20–3 pm
   - Fri: 10 am–noon
   - Other: email Michelle Powell to purchase tickets if these times don't work for you!

3. Bring in **non-perishable food items** to Dearborn 102.

4. Participate in **events across campus**.

**MI ME faculty/ staff:**

1. **Participate in the MI ME Soup contest** on **Feb 29**. Contact Michelle Eck for details.
2. **Sign up for a payroll contribution online**. (Please select MI ME to get credit for your donation.)

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**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 MI ME Calendar or email the MI ME 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](http://www.ohio.edu) to go to the OSU Academic Calendar.

**This Week**

**Mon, Feb 20**

**MI ME Candidate Seminar:** *Engineering Biomimicry in Mathematical Models of Fish Schooling* presented by Dr. Nicole Abaid (Polytechnic Institute of New York). 11 am–noon, Covell 117 (MI ME Library).

**Design and Mechanics Seminar,** presented by Robert Roedts of Columbia Helicopters. 3 pm, Covell 117 (MI ME 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**

**MI ME Candidate Seminar:** *Robotics and Virtual Reality as Tools to Study Human Motor Learning* presented by Dr. Felix Huang (Rehabilitation Institute of Chicago). 11 am–noon, Covell 117 (MI ME Library).

**OSU Career Fair.** 11 am–4 pm, CH2M HILL Alumni Center.

**Corp Info Session:** Bechtel. 5–7 pm, Bexell 102. Recruiting all
types of engineers.

**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.

**Corp Info Session:** BIOTRONIK, Inc. 5 pm, Hilton Garden Inn (26th and Western). BIOTRONIK is currently recruiting ME and MfgE.

**Sat, Feb 25**

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

**Plan Ahead**

**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.

**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**

**World Premier of** Relentless, a documentary on Global Formula Racing. 6–8:30 pm, Kearney 112.

**Fri, March 2–Sun, March 4**

**IIE Western Regional Student Conference:** "So You're Graduating... Now what?" OSU LaSells Stewart Center.

**Mon, March 5**

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

**MIME Graduate Defense:** Performance and Flow Stability Characteristics in Two-Phase Confined Impinging Jets presented by Michael Sabo, candidate for MS in Mechanical Engineering. 3 pm, OSU Valley Library 1420.

**Thurs, March 8**

**Materials Science Seminar:** TBA presented by Michael Zwolak from the OSU Dept of Physics. 3 pm, Covell 117 (MIME Library). Contact Brady Gibbons for more information.
Announcements

Undergrad and School-Wide

**ADD A BIOENERGY MAJOR.** There is a new bioenergy minor at OSU. Bioenergy is renewable energy derived from biomass (bacteria, algae, crops etc). Development of bioenergy could contribute to the long-term environmental and economical sustainability, and help mitigate the climate impact of using fossil fuels. It is going to be an interdisciplinary minor at OSU and open to many majors, including engineering majors. To add this minor, talk to your advisor. Scholarships are available, but you must apply for them by **Feb 21.**

**LEARN ABOUT NUCLEAR WASTE REMEDIATION FROM HANFORD EXPERTS.** Did you know that you live downstream from the largest nuclear waste site in the United States? The 586-square-mile Hanford Site, located in SE Washington on the Columbia River, was used to manufacture the plutonium for America’s nuclear weapons program during World War II and the Cold War. Vast amounts of contamination left over from plutonium production continue to challenge state and federal agencies tasked with cleaning up the site. On **Thurs, Feb 23, 5 pm** in the Gilfillan Auditorium, come speak with representatives from the Oregon Department of Energy, Washington Department of Ecology, and the Oregon Hanford Cleanup Board as they discuss the state of cleanup, site history, current issues and progress, and how this site affects you.

**APPLY NOW TO BE A TOUR OR UHDS AMBASSADOR.** The Office of Admissions Team of Undergraduate Recruiters (TOUR) and University Housing and Dining Services (UHDS) are looking for candidates to fill positions as TOUR and/or UHDS Ambassadors for the 2012-13 school year. TOUR Ambassadors conduct campus tours, represent OSU during recruitment events & open houses, and have weekly office hours. UHDS Tour Ambassadors are responsible for leading tours during prospective student visitations such as Beaver Open House, Kaleidoscope, OSU Fall Preview, and Spring Visits. **Applications are due Feb 24.**

**BE ON THE DISCOVERY CHANNEL SHOW "TOP ENGINEER."** The Discovery Channel is looking for cast members for a new competitive engineering show called "Top Engineer." From the [show's website](#): "You don’t need to have an engineering degree to compete on this show, but you MUST be able to design, build, test, and integrate an idea into a final product that WORKS. These will be fast-paced, hands-on, VISCERAL challenges! If your experience is strictly behind the keyboard, then this show is NOT for you." The deadline to apply is **March 7.**

**JOIN THE NEW MARINE TECHNOLOGY SOCIETY.** A new student group is on campus, promoting the awareness, understanding, advancement, and application of marine technology. Membership includes free Marine Technology Society publications and scholarship opportunities. For more information or to get involved, please contact Kristin Beem or Raven Dorr.
Faculty/ Staff/ Grad Students

ATTN FEMALE GRAD STUDENTS & FACULTY: ATTEND THE WOMEN IN SCIENCE LUNCH. We’re excited to announce the Women in Science winter term event: a faculty lunch discussion with Dr. Katherine Field. Dr. Field is an associate professor in Microbiology and will be featured in an informal discussion about her experience as a woman in academia. This faculty lunch will be held Wed, Feb 22 noon–1 pm in Cordley 2035. Bring your lunch, meet fellow women in science, and come with questions or topics that you’d like to discuss with the group.

ATTEND TWO STUDENT DEVELOPMENT CONFERENCES. The Grad Student Technical Conference (GSTC) will be held in conjunction with the Student Professional Development Conference (SPDC) this March in Vallejo, CA and this April in Ellensburg, WA. Click here for more information.

Scholarships, Fellowships, and Research Internships

INTEL GRADUATE FELLOWSHIP & INTERNSHIP PROGRAM. For the first time, OSU will be offering two MS graduate students a 2-year package that includes a fellowship along with an internship at Intel. Click here for more information and note that the deadline for consideration is Mon, Feb 27 at 5 pm. Prof. John Parmigiani will be accepting all applications by email.

NORTH AMERICAN WHOLESALE LUMBER ASSOCIATION. NAWLA, an industry association that represents a wide variety of firms in the forest products industry, is particularly interested in hiring students with engineering backgrounds. NAWLA is offering paid internship opportunities (up to 15 per year) for students interested in working in the forest products industry. Students will be matched with a forest products firm for a summer long internship. Attend one of the 2 information sessions (Feb 27 & 28) for more information.

Job and Internship Opportunities

OLYMPUS CORPORATION is an international company operating in industrial, medical and consumer markets, specializing in optics, electronics, and precision engineering. They are looking to hire ME grads. Check their website for more information.

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

- R&D Process Development Engineer at Micron Technology (closes TODAY)
- NEW! Engineering Intern for the Adidas Innovation Team (closes Feb 24)
- RapidMade
Materials/Mechanical Engineer (closes Feb 27)
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)
NEW! Hydraulic Systems Design Engineer at NACCO Materials Handling Group, Inc (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 (closed 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.

Faculty and Post-Doc Positions

Hong Kong University of Science and Technology (Clearwater Bay, NT, Hong Kong) - ME Research Assistant Professor, closes Feb 27.

Northwestern University (Boston, MA) - Dean of the College of Engineering.

Wayne State University (Detroit, MI) - TT Asst/Assoc Professor in ME energy/combustion/engine related areas (posting 038311), open until filled.

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.