School of MIME E-Bulletin

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

March 5, 2012

- Feature Stories
- Mark Your Calendar
  - This Week
  - Plan Ahead
- Announcements
  - Undergrad and School-Wide
  - Faculty/Staff/Grad Students
- Scholarships, Fellowships, and Research Internships
- Jobs and Internship Opportunities
- Faculty and Post-Doc Positions

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Feature Stories

**IIE Conference a Success**

This last weekend's Institute of Industrial Engineers Conference went very well. In addition to our own OSU IIE members, students attended from Montana, Colorado, Arizona, and California. There were plant tours of HP and Oregon Freeze Dry, a student paper competition, a keynote address by Brian Edwards from ATI Wah Chang, a student team competition, speakers from academia and industry (including CH2M Hill, TriQuint Semiconductor, HP, PECO, and Wah Chang), and an evening banquet. Over $900 in cash prizes were awarded. If you missed out, make sure catch next year's conference. Contact the OSU IIE leadership team for more information.

Congratulations to the IIE team for hosting a successful event!

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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 be 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, March 5**

**Design and Mechanics Seminar** presented by Dane Eastlick. 3 pm, Covell 117 (MIME Library). Contact Joe Piacenza for more information.
**MIME Candidate Seminar:** *Algorithms and Optimization Models for Truckload Relay Network Design* presented by *Hector Vergara* (University of Arkansas). 2 pm, Covell 117 (MIME Library).

**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**

**MIME Guest Lecture:** *Low-k/Cu Metallization and Future Advanced Interconnect Technologies* presented by *Sean King* (Intel). 10–11:20 am, Covell 218.

**MIME Candidate Seminar:** *The Bed Manager’s Dilemma: A Dynamic Bed Assignment Problem* presented by *Dr. Jackie Griffin* (Georgia Institute of Technology). 11 am–noon, Covell 117 (MIME Library).

**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.

**IIE vs Faculty Soccer Game.** 6 pm, McAlexander Fieldhouse.

**Fri, March 9**

**MIME Graduate Defense:** *Performance of a thermally activated cooling system driven by a diesel generator via a microchannel heat recovery device* presented by *Ryan Seward*, candidate for MS in Mechanical Engineering. 9 am, Covell 117 (MIME Library).

**MIME Graduate Defense:** *Combining Coordination Mechanisms to Improve Performance in Multi-robot Teams* presented by *Ehsan Nasroullahi*, candidate for MS in Mechanical Engineering. 9 am, Valley Library Willamette West.

**Plan Ahead**

**Mon, March 12**

**Finals Prep Workshop** with the COE Academic Coaches. 6–7 pm, Batcheller 150.

**Tues, March 13**

**Marine Energy Forum:** Composites Materials for Marine Applications presented by *Dr. Roberto Albertani*. Noon, Kearney 305. Email Cameron McNatt for more information.

**Thurs, March 15**

**MIME Graduate Defense:** *Characterization of Expert Solutions to Inform Instruction and Assessment in an Industrially Situated Process Development Task* presented by *Ben Sherrett*, candidate for MS in Mechanical Engineering. 11 am, Covell 117 (MIME Library).

**Fri, March 16**

**MIME Graduate Defense:** *Material and Process Design for Powder Injection Molding of Silicon Nitride for the Fabrication of Engine Components* presented by *Juergen Lenz*, candidate for MS in Industrial Engineering. 10 am, Covell 117 (MIME Library).

**MIME Seminar:** TBA presented by *Dr. Barry Carter*
Wed, March 21


Announcements

Undergrad and School-Wide

EXPAND YOUR RESUME WITH A BUSINESS MINOR. If you have considered a business minor, then come to the Business & Entrepreneurship Minor Orientation for all currently enrolled OSU students wishing to declare a minor in Business & Entrepreneurship. For more information, click here and take the "Online Minor Orientation" and fill out the survey by Thurs, March 8 for spring term enrollment.

PREP FOR FINALS. The COE Academic Coaches are hosting a Finals Prep Workshop on Mon, March 12 at 6 pm in Batcheller 150. The workshop will help you establish a study schedule for dead and finals weeks as well as identify strategies to maximize performance. Workshop is free for engineering students and food is provided!

IMPROVE YOUR STUDIES AND TEST TAKING SKILLS. You've made it 3/4 of the way through the term but if you need help with your studies, it is not too late for the Academic Success Center to help you. They can help you "autopsy" your 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 3 ways to set up an appointment: call (541) 737-2272, email a coach, or stop by the ASC at Waldo 102.

JOIN A MATH STUDY GROUP. There are now study groups for Math 111, 112, 251, and 252. The groups will meet Mon 1–3 pm, Tues 4–6 pm, and Wed and Fri 2–4 pm in Covell 140. For more information, please contact Ellen Momsen.

Faculty/Staff/Grad Students

MIME FACULTY - DEFEND YOUR RECORD. This Thurs, March 8 at 6 pm, the annual IIE vs MIME Faculty soccer game will take place on the indoor turf of McAlexander Fieldhouse. The faculty has won the last several years but has had to borrow players from the students, causing the students to put an asterisk by the wins in the record book. Recruit your colleagues and show up in mass to defeat the students. Don't forget to warm-up and stretch! Please contact Seth Wiberg for more information.

ATTN FACULTY - APPLY NOW TO SPEAK AT TEDxOSU. This April 17, OSU will hold its first ever TEDxOSU to highlight
innovations that address the needs of our planet in the future, specifically with the intent to feature OSU faculty and alumni contributions in this field. We are looking for presenters that can inspire this audience during this unique opportunity that will reach beyond campus to the peer institutions, the business community and influential mediums. Click here for more information and fill out your speaking application by March 12.

Scholarships, Fellowships, and Research Internships

NSF = National Science Foundation
REU = Research Experience for Undergraduates

NSF REU AT OAKLAND UNIVERSITY. Oakland University is looking for 10 undergraduates for their Automotive and Energy Research and Industrial Mentorship Program. The program will emphasize technologies that aim to improve efficiencies of internal combustion engines, automotive manufacturing processes, automotive materials, alternative propulsion systems and lubrication. For more information, visit the program website and get your application in by March 9.

Job and Internship Opportunities

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

- Georgia Pacific
  - Entry-Level Program Engineer (closes March 9)
  - Manufacturing Engineering (closes March 9)
- NACCO Materials Handling Group, Inc
  - Hydraulic Systems Design Engineer at (closes March 9)
  - NEW! Mechanical & Electrical Engineering Positions (close March 21)
- NEW! Engineering Intern at Adidas (closes March 16)
- Project Engineer Intern at BMWC Constructors, Inc (closes March 16)
- Senior Mechanical Engineer at Caelynx LLC (closes March 24)
- NEW! Design Engineer at Pierce Pacific Manufacturing (closes March 30)
- 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)
- CAREer-The Talent Program-Human Factors Engineer at Daimler Trucks North America (closes April 1)
- WaferTech (both close April 30)
  - Manufacturing Opportunity Intern
  - Multiple Engineering and Facilities Intern Opportunities
- Process/Industrial Engineer-Entry Level at Xerox (closes April 30)
- 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.

Faculty and Post-Doc Positions

Youngstown State University (Youngstown, OH) - Freshman Engineering Coordinator/Asst Professor/Instructor (posting 0600192) closes March 15.

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.