School of MIME E-Bulletin

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

March 12, 2012

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Feature Stories

Congratulations are in order...

1. On Feb 24, the School of MIME welcomed a select group of extraordinary alumni: our 2012 Oregon Stater honorees.

   - Katherine Hammack, Assistant Secretary of the Army for Installations and Environment
   - Steve Smith, Senior Managing Director of a London-based global financial consulting firm
   - Leonard Weitman, Vice President of Technical Operations at Central Oregon's largest cable/internet provider
   - Scott Henry, III, Founder of a $6M, family-operated southern Oregon winery
   - Ian Wendler, Director of Research, Development and Strategic Sourcing for WARN Industries
   - Andrew Hill, Design Engineer for Microsoft Surface Technologies

   Click here to learn more about the COE Oregon Stater Award and these amazing honorees.

2. Congratulations to MIME Professor Toni Doolen for co-winning the well-deserved 2012 IIE Lean Teaching Award for her leadership, course design and content quality, applied learning, innovation, and student satisfaction. This is a very prestigious award as only one award is given out annually by the Institute of Industrial Engineers world-wide.

3. And last but not least, congratulations to MatSci grad student Troy Ansell for being elected to the Chair of the American Ceramic Society's President's Council of Student...
Advisors. Troy completed his BS in Physics from OSU in 2009 and joined the Materials Science program in Fall 2010. His research has been focused on piezoelectric materials and devices which has allowed him to even work on projects at the NASA Glenn Research Center to develop a new high temperature material for gas turbine applications.

Congratulations to all of our award winners!

Now Hiring MI ME Undergrad TAs for spring term course "Technical Writing for Engineers"

MIME Juniors and Seniors: Do you have a light course load next term? Would you be interested providing technical consultation in a WR 327 classroom? Does the idea of earning some extra income--and strengthening your engineering resume--sound appealing? If so, consider applying for an MI ME undergraduate teaching assistantship in one of the Spring 2012 sections of “WR 327 for Engineers”: 

- **WR 327 Sect. 11**, T/R 2:00–3:20 pm. (This section is only for students who are concurrently enrolled in ENGR 213, “Strength of Materials.”)
- **WR 327 Sect. 02**, T/R 8:30–9:50 am. (This section is for students who have successfully completed ENGR 211, “Statics.”)

Please [click here](#) for the full job description and apply by this Fri, **March 16**.

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, March 12**

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


**Capstone Senior Design Final Oral Presentations**. 4–6 pm, Gilbert 124, Rogers 230, and Gleeson 200. (Also on March 14.)

**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.

**MI ME Cascades Campus EEM Candidate Seminar**: "Clean,

All-Member IME Meeting. 6 pm, Covell 117 (MIME Library).

**Wed, March 14**

**Capstone Senior Design Final Oral Presentations.** 4–6 pm, Gilbert 124, Rogers 230, and Gleeson 200. (Also on March 12.)

**Thurs, March 15**

**IME Graduate Defense:** Improving Manufacturing Sustainability Assessment in Product Design presented by Dane Eastlick, candidate for MS in Mechanical Engineering. 8 am, Covell 117 (MIME Library).

**IME 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).

**Materials Science Seminar:** Deconstructing structural transitions via thermal transport presented by Michael Zwolak from the OSU Dept of Physics. 3 pm, Covell 117 (MIME Library). Contact: Brady Gibbons for more information.

**Fri, March 16**

**IME 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).

**IME Cascade Campus EEM Candidate Seminar:** "One of these things is like the other ones: A similarity measure for identifying analogies among a heterogeneous collection of design artifacts" presented by Kerry Poppa. 1 pm, Covell 117 (MIME Library).

**IME Seminar:** TBA presented by Dr. Barry Carter (UCONN). 2:30 pm snacks, 3–4 pm talk. Covell 117 (MIME Library).

**Plan Ahead**

**Wed, March 21**

**MBI Seminar:** Commercialization Mindset for Researchers: How and why to drive research and innovation at the speed of business presented by Ravi Sinha. Noon, MBI HP Bldg 11 Metolius Conference Room.

**Fri, April 13**

**IME Seminar:** The Advantage of Random: Novel Carbon Fiber Material Forms presented by Dr. Paolo Feraboli (Director of the Automobile Lamborghini Advanced Composite Structures Lab at UW). 2:30 pm snacks, 3–4 pm talk. Covell 117 (MIME Library).

**April 25**

**OSU University-wide and Engineering Career Fair.** 11 am–4 pm, CH2M HILL Alumni Center.
Announcements

Undergrad and School-Wide

ENROLL IN THE HUMAN GROUP DYNAMICS COURSE. EXSS299 – Human Group Dynamics (CRN 59115, 1–3 credits) takes place on Wed 2-4:50 pm this spring. This class is part of the Adventure Leadership Institute and is open to any OSU student. The course will focus on helping students understand the dynamics of groups, including teamwork, leadership, and communication. This is a theory-based course that also adds a good deal of experiential learning into the mix. Register today or contact co-instructors Jennifer de-Vries or Eric Alexander for more information.

Faculty/ Staff/ Grad Students

TAKE A COURSE IN MICOREACTORS. CHE581 - Selected Topics in Microreactor Engineering (CRN 54143, 3 credits) will be offered this spring term. The major objective of this course is to introduce students to practical applications of microreactor systems. Emphases will be on applications that include heterogeneous catalytic reactions, homogenous gas/liquid phase reactions, and multiphase reactions. The course will also present examples of microreactor systems, which demonstrate chemical reaction challenges in environmental, biochemical, and chemical processes. For more information, contact Prof Goran Jovanovic.

Scholarships, Fellowships, and Research Internships

REU = Research Experience for Undergraduates

UNIVERSITY OF ALABAMA REU IN EXPERIMENTAL AND COMPUTATION MATERIALS RESEARCH. Apply by March 15.

OSU FOLK CLUB SCHOLARSHIP FOR FEMALE STUDENTS. The OSU Folk Club Thrift Shop is looking to award $2,400 scholarships to female students who are 30 or older by the application deadline, are a resident of Benton county, and are full-time OSU students in the 2012-2013 school year while pursuing a bachelor’s, master’s, or professional degree (no PhD or EdD). More information and applications are available here. The deadline to apply is March 19.

UNIV OF SOUTH FLORIDA SUSTAINABLE ENERGY REU. Apply by March 23.

NANOTECHNOLOGY REU IN HOUSTON, TX. Apply by March 26.

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.

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## Job and Internship Opportunities

### COE AMBASSADOR/TOUR GUIDE

**COE Ambassador Tour Guides** will provide tours of COE, Hinsdale Wave Research Laboratory, and OSU to K-12 student group and community members. The goal of these tours is inform and inspire young students into engineering fields and to build esteem for the engineering profession. Schedule must be flexible and tour guides must be timely and responsible for signing up and showing up for events. **Applications** will be reviewed starting **March 15** and interviews will happen next week.

### WAFERTECH INTERNSHIPS

WaferTech is looking to recruit IE students for their summer internship in Camas, WA. The position is [listed on BJN](#), but you can also apply directly through the [WaferTech website](#). They plan to interview candidates by **April 1**.

### CAMPUSPOINT

CampusPoint specializes in placing new college graduates in job openings with contracted employers at no cost to the graduate! Register for a free profile and [check out their openings here](#).

### NAVY NUCLEAR PROGRAM - OPEN TO ALL COE MAJORS

The Navy is currently looking for qualified individuals interested in pursuing a career in the Navy’s Nuclear Propulsion program. Management positions are available for service aboard the nation’s submarines, and aircraft carriers, and at nuclear power schools and engineering program offices. [Click here](#) or email LTJG Jordan Stutzman for more information.

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

- **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)
- **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)
- **NEW! IE Planning Analyst** at Intel Corporation (closes April 7)
- **NEW! Process Engineer** at Bemis Company, Inc (closes April 7)
- **NEW! Summer Intern Program** at Linde (closes April 30)
- **NEW! Management Trainee** at Sensient Dehydrated Flavors LLC (closes June 4)
- **NEW! Mechanical Engineering Volunteer** at Linn County General Services (closes June 6)
- 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
Northern Arizona University (Flagstaff, AZ) - ME Lecturer, application review begins 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.