



MECHANICAL ENGINEERING NEWS

February 12, 2008

A newsletter for the UML Mechanical Engineering community (also available online at <http://mechanical.uml.edu>)

Contact john_mckelliget@uml.edu with any items you would like to see included in the newsletter

Calendar

Feb 16	Engineering Hockey Night
Feb 18	University closed
Feb 18-22	Engineer's Week
Feb 19	Monday schedule
Feb. 20	Prof. Jeopardy 3:30pm – 5pm, Ball 214.
Feb 20	Order of the Engineer Induction
Feb 20	ME Seminar – 11.30 am, K303
Mar 1	Deadline to sign up for FE exam
Apr 12	FE Exam

Free Soda and Pizza

The first Mechanical Engineering Seminar of the semester will be held on Wednesday February 20 at 11:30 a.m. in K303. The speaker is Robert Raimondi (a graduate of our program) from Olympus NDT. The title of his talk is *"Phased Array Applications"*. All mechanical engineering students are invited and encouraged to attend.

James Thomson Harder Design Award.

The first ever **James Thomson Harder Design Award** was recently awarded to sophomore mechanical engineering student Louis Thibault, for his proposed design of an *"Arm Exercise Rehabilitation Device"*. The award is given to the best design proposal in the course 22.201 *Mechanical Design Lab I*. The award is made in honor of James Thomson Harder, a freshman mechanical engineering student who was involved in a fatal automobile accident in Fall 2006. The award is sponsored by his mother Lynn. Louis received a certificate and a \$100 gift certificate to the university bookstore.

Four other proposals received honorable mention: *"Linkage Design Accompanied by Aftermarket Mountain Bike Parts Creating a Hand Powered Wheelchair"* by Sean Horgan, *"Cribbage Board for the Visually Impaired"* by Scott Reinhardt and Steve Lahti, *"A Device to Assist in the Use and Organization of Keys for Those with Poor Motor or*

Memory Skills" by James Neil and Ezekial Radik, and *"A Power Cord Adaptor for Assisting Senior Citizens"* by Timothy Marinone and Daniel Rossetti.



Ralph Mondano, Executive in Residence, presents the James Thomson Harder award to Louis Thibault.

Order of the Engineer

Seniors and graduate students are urged to go to the Dean's office and sign up for the Order of the Engineer Induction Ceremony. The ceremony will be held on February 20, during Engineer's Week. Participation in the ceremony, and the engineer's oath, is recognition of the ethical responsibility of engineers. You will receive an iron engineer's ring. You can bring your loved ones, and we will feed you. There is a \$10 fee for the ring.

Combined BSE/MSE Program

If you are a junior or a senior with ≥ 3.0 cumulative GPA you are encouraged to apply for the combined BSE/MSE program. Upon completion of this program you end up with both a BSE and an MSE in mechanical engineering. In this program you typically take 6 credits of graduate courses in your senior year and, with grades of B or better, you can count these 6 credits toward *both* the BSE (as tech electives) and the MSE degree. You *can* take more

graduate courses in your senior year, but only 6 credits can count toward both degrees.

The MSE degree in mechanical engineering at UML has both thesis and non-thesis options. If you are on the thesis option you stand a good chance of being awarded a ½ Teaching Assistantship (TA). The stipend for a ½ TA is typically \$6000 - \$7000 per year + full tuition and fee remission. ½ TAs are committed to 9 hours/week teaching during the semesters. Apply to Prof. McKelliget for a ½ TA.

The professor who is directing your research might also be able to add a ½ Research Assistantship (RA) to this stipend. The stipend for RAs is the same as for TAs, but RAs have no teaching responsibilities.

If you apply to the BSE/MSE program you do not have to take the Graduate Record Exam (GRE), and you do not have to pay the application fee. Note that you do not have to complete the MSE degree in order to get the BSE degree. We strongly urge all eligible students to apply. Once you graduate it will be too late to apply. Application is made through the graduate school Website.

Career Events.

The following events are sponsored by the Office of Career Services <http://career.uml.edu>

Dine & Dress for Success

Wednesday, February 27, 2008, Alumni Hall, 5:30 – 8:30 PM. Learn about business etiquette and protocol while enjoying a seated four-course dinner and entertaining presentation by Rosanne Thomas of Protocol Advisors, Inc. Call (978) 934-2355 to register by February 21st. \$10 place-holder will be fully refunded at the event.

Resume Makeover Marathon

Wednesday, April 2, 2008, 10 AM – 3 PM, North Campus Career Services, 200 Southwick Hall
Stop by with your resume (or cover letter) and have it reviewed by a Career Counselor. No appointment necessary; first come, first served. Make sure your resume is ready for our Summer & Beyond Career Fair!

Work the Room – How to successfully navigate a career fair

Wednesday, April 9, 2008, 10 AM – 12 Noon on North Campus, Southwick 240. This workshop repeats: 2 PM – 4 PM on South Campus, Admissions Conference Room, Dugan Hall. Learn and practice how to: introduce yourself; clearly and comfortably talk to recruiters; ask relevant and meaningful questions.

2008 Summer & Beyond Career Fair

Wednesday, April 16, 2008, 1 PM – 4 PM, Campus Recreation Center. If you are looking for a summer position, internship, or full-time job after graduation, you can't afford to miss this event! You will have the opportunity to meet employers representing a variety of industries and organizations.

DIG Forms.

If you are an undergraduate student and are planning to graduate in June or September 2008 you need to submit a Declaration of Intent to Graduate (DIG) form. As of today, forms have been received from the following students:

Steven Boo, Benny Burshtein, Michael Camoscio, Ernest Carrington, David Cloutier, Ian Crabtree, Sean Furey, Michael Gagnon, Jason Galda, Benjamin Gamlin, John Gugliotti, Ellen Heerlein, Brian Johnson, Lance Mahar, Craig Marchionda, Justin Massei, Keith Menesis, Brian Munroe, Long Nguyen, Ciaran O'Donovan, Justin Pekarek, Alex Pfordresher, Derek Pomerlau, Gregory Pawlowski, Jacqueline Pelealuw, David Pepin, Nathaniel Powers, Patrick Quinty, Lucien Rudkarly, Anthony Sinopoli, Andrew Sutton, Krithika Swaminathan, Peter Wason, Eric Webb.

If you want your name to appear in the graduation booklet it is important that you get your DIG form completed by your advisor ASAP.