



MECHANICAL ENGINEERING NEWS

May 1, 2009

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

May 8	Graduating Student Banquet
May 9	Pi Tau Sigma initiations
May 13	Last Day of Class
May 14	Reading Day
May 26	Summer Session I starts
May 30	Commencement
Sept 1	Deadline to Register for FE Exam (MA)
Oct 24	Fall FE Exam (MA)

Department of Mechanical Engineering Awards 2008-2009 Academic Year

Dean's Graduate Gold Medal:
Berke Gur

Dean's Undergraduate Gold Medal:
John Sailhamer

Dean's Medal for Service
Robert Williams

ME Department Award for Academic Achievement:
Tom McCarthy

ME Department Outstanding Graduate Student Award
Pawan Pingle

ME Department Service Award:
Rafael Castro

Craig Douglas Undergraduate Research Award:
John Sailhamer

ME Department Team Leadership Award
Troy Lundstrom
Krithika Swaminathan

Graduate School Outstanding Graduate Student:
Hui Zhang

UML ME Energy Engineering Graduate Wins Prestigious International Award.

Salinee Tavaranan (MSE Energy Engineering/Solar Option, '04) recently won first place in the Energy Globe Award. The Energy Globe Award is the most prominent environmental prize worldwide, and has been described as the "Nobel Prize" of environmental awards. More than 110 nations participated in this year's selection process.



Salinee Tavaranan receives the Energy Globe Award from Mirek Topolánek, Prime Minister of the Czech Republic, at a gala ceremony in Prague.

Salinee is a native of Thailand, and directs the Border Green Energy Team (BGET) which ensures environmentally friendly solar power to provide around-the-clock medical services for some 200,000 refugees on the Thai/Burma border. Previously there was no electric power in this region, and hospitals were forced to operate at night without light and power. Since 2003 Burmese medical personnel on the Thai side of the border have been trained to install and maintain solar energy systems. They then return to Burma where they install the systems in hospitals. In 2007 two larger hospitals were equipped with more powerful energy systems, so that medicines can now be refrigerated and medical equipment and computers powered.



For more information visit

<http://www.energyglobe.com/news/details/category/2/id/1093/>

Graduation List:

The following undergraduate students are officially on the graduation list for May 2009: Scott Bruderer, Ryan Burns, Hector Carrasquelo, David Champlin, Greg Davison, Ashton DePasquale, Matthew Durette, Eric Favini, Deniz Gifford, Roger Gyebi, Jonathan Hillman, Henry Jamijian, Bruce Leblanc, Troy Lundstrom, Timothy Matook, Tom McCarthy, James McCarthy, Clayton Parr, Josh Richard, Richard Robert, James Sabatino, John Sailhamer, Christopher Stahl, Alecander Stith, David Tang, Quang-Vinh Than, Thomas Thiesing,

The following undergraduate students are officially on the graduation list for Sept 2009: Justin Chamberland, Andrew Cutts, Luis DeJesus, Devin Michaud.

If you are not on the list, and think that you should be, see Prof. McKelliget immediately.

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.

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.

Graduating seniors: it is not too late to sign up for the combined BSE/MSE program .

Professor Charmchi Publishes Paper

Prof. Charmchi recently published a paper in the Journal of Fluid Dynamics and Material Processing. The title of the paper is *Numerical Investigation of Melting in the Presence of Electromagnetic Fields: Simulation of Low Gravity and Melting Enhancement Due to Electro/Magnetically Induced Flows*. He co-authored the paper with Mohammad Faghri (URI), Yutaka Asako (Tokyo Metropolitan University), Douglas Veilleux (Raytheon).

Prof. Charmchi has also been invited to serve on the scientific committee of the first ' International Conference on Computational Methods for Energy Engineering and Environment' (ICCM3E), to be held at Sousse, Tunisia, November, 2009.