



MECHANICAL ENGINEERING NEWS

May 5, 2006

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 5	Graduating Student Banquet
May 5	Graduate School Banquet
May 6	Assistive Technology Design Fair
May 11	Friday Schedule
May 11	Capstone Presentations
May 11	College of Engineering Picnic
May 11	Last day of class
June 4	Commencement

Announcements

- The College of Engineering will hold a picnic on May 11 from 12.00 pm to 4.00 pm.
- Graduation Celebration. Tuesday, May 2 from 10am – 2pm, Cumnock Auditorium
- Next semester the machine shop will be open one day a week for students to work on their own machining projects. All projects must be accompanied by a dimensioned engineering drawing. Bob Ladebauche will supervise and can veto any project on safety concerns.

Message from the Chair.

This will be the final newsletter for the Spring 2006 semester. I would like to wish good luck and success to all our graduating students. To all others, and to those returning for the masters program, have a nice summer and see you in the Fall.

I would also like to give belated thanks to the following students, and staff that helped out at the Accepted Student Open House on April 1, 2006: Chris Chipman, Sarah Tremblay, Joshua Jones, Joseph Beauregard, Alexander Grant, Bob Ladebauche, Jackie Paradise, Glen Bousquet, and Patrick Drane.

- J. McKelliget

Department of Mechanical Engineering Awards 2005-2006 Academic Year

Dean's Graduate Gold Medal:
Tracy Van Zandt



Dean's Undergraduate Gold Medal:
Adam Butland



Outstanding Graduate Student:
Rebecca Shaw



ME Department Award for Academic Achievement:

Jonathan Balducci



Amanda Carney



John Renaud



Steven Mercado



ME Department Service Award:

Joseph Beauregard



Patrick Morasse



Craig Douglas Undergraduate Research Award:

Christopher Silva



Ethan Stowe



Dana Nicgorski II



Matteo Forgione



ME Department Team Leadership Award

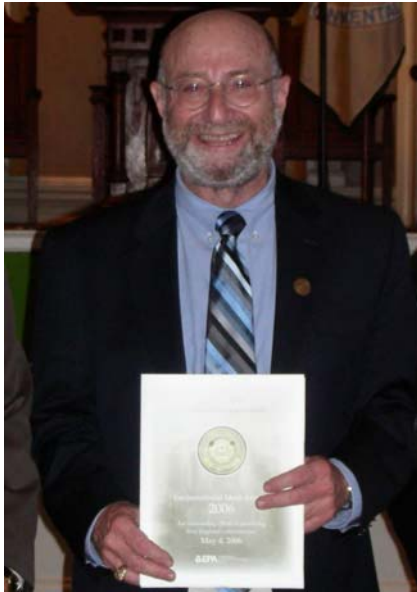
Rafael Plahm



Prof. Shina Receives EPA Award.

At a ceremony in Faneuil Hall on Thursday May 4, 2006 Prof. Shina received an award from the Environmental Protection Agency for his work on lead-free soldering.

"These awards are among the highest honors EPA can bestow to recognize environmental accomplishments. The work of these individuals, organizations and businesses reflect the best attributes of New Englanders, working to find solutions to environmental issues. I offer my gratitude for their extraordinary contributions in protecting the environment." - Robert W. Varney, Regional Administrator for EPA's New England Office.



- “Development of Efficient Reduced Models for Rigid Body Dynamics Simulation for Helicopter Missile Wing Combinations”, Van Zandt, Wirkkala, Avitabile, Birdsong (Army Redstone Arsenal)
- “Modification of Target Definition for Model Updating using Impedance Modeling for Helicopter Missile Wing Combinations”, Wirkkala, Van Zandt, Avitabile, Birdsong (Army Redstone Arsenal)
- “Some Common Issues in Model Correlation/Validation”, Avitabile (invited paper)
- “Baseball Bat Model Identification and Detection of System Changes Through In Situ Experimental Modal Models Developed on the Field”, Shaw, Gur, Avitabile, Sherwood
- “Exploring the Crack of the Bat in the Lab: Performance and Durability”, Shaw, Sherwood



Tracy Van Zandt, Nels Wirkkala and Berke Gur in the Exhibition Booth at the 24th IMAC conference.

ME Students Attend 24th IMAC

This year several students from the Modal Analysis and Controls Laboratory and Baseball Research Center participated in the 24th International Modal Analysis Conference in St Louis. The students presented papers and were involved in the Technology Center in the Exhibition Hall. Students discussed many aspects of the research currently underway in the lab.

Five technical papers were presented:



**DEPARTMENT OF
MECHANICAL
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University of Massachusetts at Lowell