



MECHANICAL ENGINEERING NEWS

March 23, 2005

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

Any items you would like to see included in the newsletter or any suggestions/comments?

Please email them to: Julie_Chen@uml.edu or leave them with Jackie Paradise in the Mech Eng office.

Mechanical Engineering Seminar Series - Speakers for Spring 2005

Feb 16 Larissa Gorbatikh, UMASS Lowell
Feb 23 Pete Avitabile, Successful Resumes
Mar 2 open
Mar 9 Hongwei Sun, UMASS Lowell
Mar 11 Paul E. Sojka, Purdue
Mar 23 Steve Semuskie, Tyco Electronics
Mar 30 Bob Parkin, UMASS Lowell
Apr 6 Wayne Stanley, BE-ST
Apr 13 Todd Gross, UNH
Apr 20 open
Apr 27 open

Upcoming Dates to Remember

Apr 4-15 Student Advising
Apr 16 Fundamentals of Engineering Exam
May 6 Senior/Grad Student Dinner

DID YOU KNOW:

That you can get paid to go to
graduate school?

Graduate students in engineering (especially US citizens or permanent residents) with GPAs of 3.0 or above can typically obtain either Teaching Assistantships or Research Assistantships that cover tuition and provide a monthly stipend.

For more information,
ask your favorite ME professor!

So Who is that New Faculty Member -



Larissa Gorbatikh

PhD 2001

Tufts University

Larissa Gorbatikh received her PhD from Tufts University in 2001. She then accepted a faculty position in the Department of Mechanical Engineering at the University of New Mexico. She has conducted research in the broad area of solid mechanics including micromechanics of materials and fracture mechanics. Larissa's recent research work has been focused on exploring new principles of mechanical design by studying biological and bio-inspired materials. Her teaching responsibilities for the last three years have included Dynamics, Advanced Mechanics of Materials and Elasticity. This spring Larissa joined UMass Lowell Mechanical Engineering Department as an Assistant Professor.

Next edition: Professor Hongwei Sun



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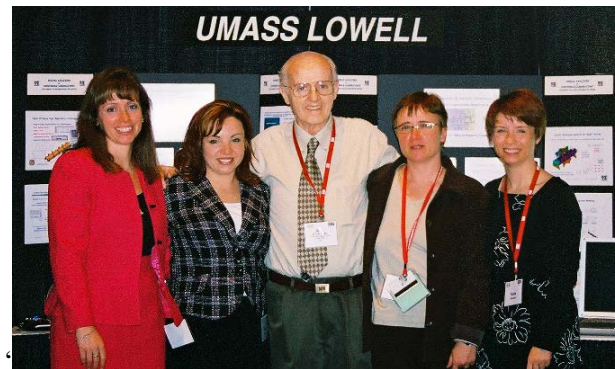
John O'Callahan honored at International Modal Analysis Conference - Feb 2005

John O'Callahan was honored at the last IMAC Conference in Orlando, Florida as one of the latest retirees from the modal analysis community. John has been an active participant at the IMAC Conference since its inception in 1982. A series of papers was presented by leading researchers in the field related to various aspects of John's key developments.

John has been widely recognized as one of the leading developers in this field. His work has spanned across a wide variety of topics including finite element modeling, structural dynamic modification modeling techniques, model reduction/model expansion, dynamic model correlation with test data, and model optimization/localization of model change.

Pete Avitabile presented John with a plaque on behalf of the SEM and the IMAC community. John's family were also at the event.

Congratulations, John!



What is Nanomanufacturing??

UML was awarded a prestigious National Science Foundation Nanoscale Science and Engineering Center (NSEC) on High-rate Nanomanufacturing (CHN) last fall. There are only 14 such centers in the country, with other centers located at Harvard, Stanford, UC-Berkeley, U.Illinois, Northwestern, etc. The CHN is an equal partnership with Northeastern University and the University of New Hampshire, providing collaborative opportunities for research, education, industrial interaction, and public outreach. One example is the current seminar series that rotates amongst the 3 universities (*see below*). The primary UML contributions to the center are in the areas of polymer processing at the nanoscale and environmental implications. Potential opportunities for students include research, internships, and coops.

To find out more about the Center,

NSF Center for High-rate Nanomanufacturing (CHN) Seminar Series Thursday, March 24 and 31, UML Pasteur 301, 12:30pm-3:30pm. The Seminars consist of multiple presentations, so attendance during the entire period is not required. For information please contact Adrianna Morris (978-934-2898, email Adrianna_Morris@uml.edu)



DEPARTMENT OF
MECHANICAL
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University of Massachusetts at Lowell