



September 2012

College of William and Mary



Applied Research Center Student Newsletter

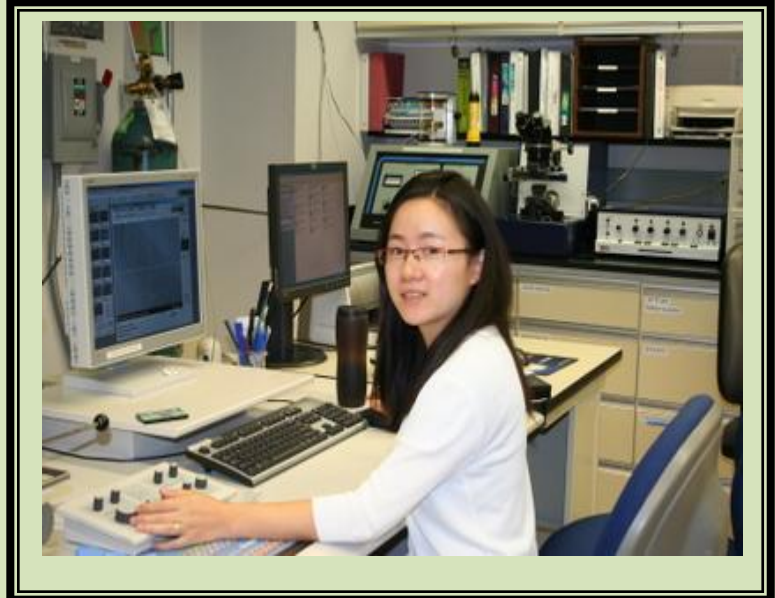
Research News:



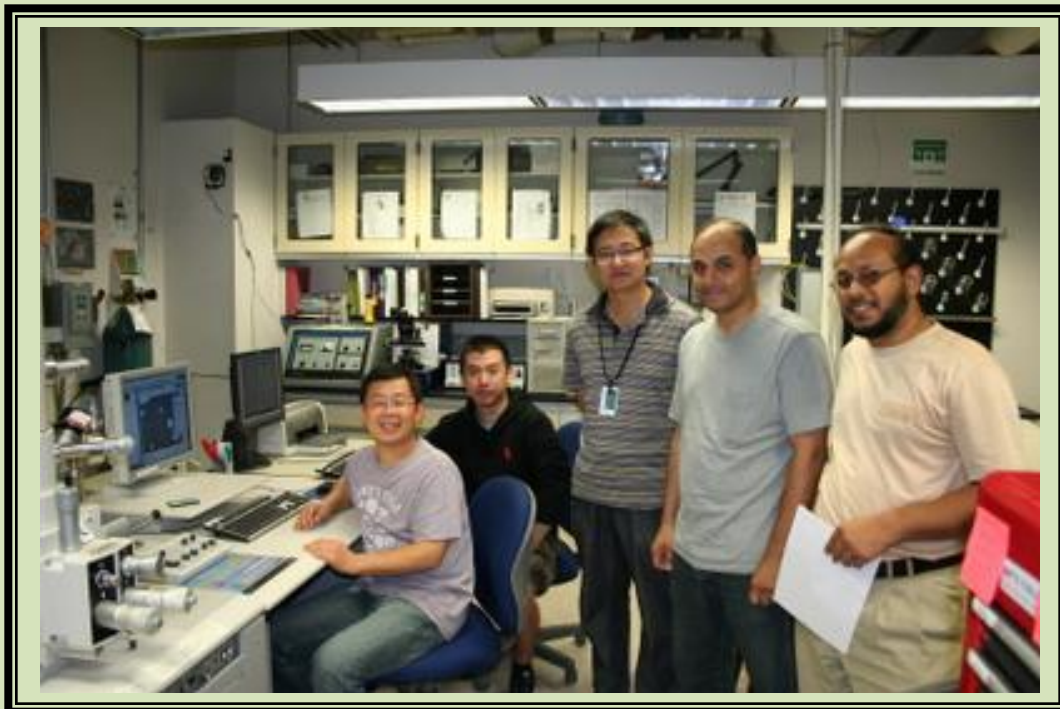
Lopamudra Das, a William and Mary graduate student in Applied Science under Michael Kelley, has been coming to the lab to analyze her replica images of stainless steel surfaces used in the electron gun. She is investigating the results of electropolishing on the samples using the Atomic Force Microscope. In addition to her studies and research, Lopa is a member of International Student Advisory Board (ISAB). The mission of the ISAB is to provide advice to the International Student, Scholars and Programs (ISSP) office on issues that are important to international students and that impact the international student experience on campus. These issues are very important to Lopa since she is from India. Lopa's article, *My Fond Memories of the International Student Leadership Conference*, was published in the April 2012 issue of **VOICES** (<http://www.wm.edu/about/diversity/E-News/AprilVoices-3.pdf>), William and Mary e-newsletter from the Office of Diversity and Community Initiatives.

Research News continued-

Minzhen Cai, a William and Mary graduate student in Applied Science under Ron Outlaw, is pictured here analyzing her carbon nanosheet samples with the FESEM. Minzhen was recently featured in the Spring 2012 issue of William and Mary's *Ideation* magazine (<http://www.wm.edu/research/ideation/making-spider-sense7824.php>). The article, *Making 'spider-sense'*, described her research with



Hannes Schniepp, Assistant Professor in the Department of Applied Science. They have published a paper along with collaborators at the University of Oxford in the United Kingdom detailing the structure of silk protein at the molecular level.



Wei Cao, Research Assistant Professor at Old Dominion University (ODU), and **Abdullah Mamun**, an ODU graduate student, along with a group of ODU researchers, are pictured here analyzing samples of indium nitride thin film on a silicon substrate using the FESEM.