



Applied Research Center Student Newsletter

JLAB 2004 Run-A-Round May 14



Olga Trofimova represented our lab in the run and won a bronze medal in her category.

Others that participated from our lab were Natalie Percy, Dee Dee Hopkins, Amy Wilkerson, and Alan Marschall (from PHI).

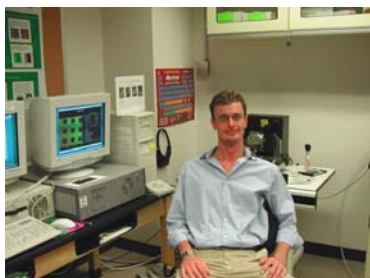


Lab Tour



On May 12, Dr. Lisa Friedersdorf from CIT (Center for Innovative Technology) visited the Surface Characterization Labs with her student, Matthew Smith of Tandem Friends School, where he is a rising senior. Also pictured is Dr. Dennis Manos, Vice-Provost of W&M and Director of the Applied Research Center.

VMEC Student Arrives



Scott Wight, a participant in the Virginia Microelectronics Consortium, is a rising junior electrical engineering major at VCU. He will be spending his time in the lab working on surface electron transport, more specifically the Fowler-Nordheim tunneling behavior, and will be learning more about plasma source physics and plasma-surface interaction physics.

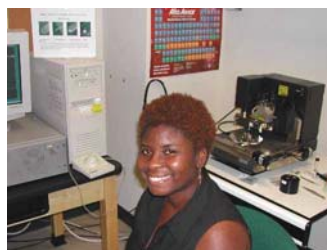
Editor: Dee Dee Hopkins. Photos by Olga, Natalie, & Kelly

Representing the ARC on Campus

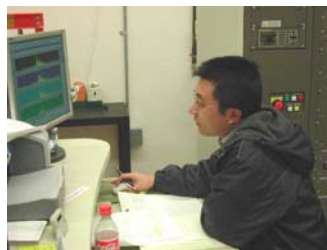


The W&M Graduate Student Association, School of Arts and Sciences nominated Dee Dee Hopkins as the 2004 Secretary. Dee Dee is also the Applied Science student representative.

New Student Starts Work at the ARC



Olivia Penrose is a senior in Norfolk State's Chemistry Department. Her research involves determining the chemical mechanism of reaction of MoO_3 when it is reduced from the +6 to the +5 oxidative state. She plans to attend graduate school, and ultimately continue research in Inorganic Chemistry.



Featured Researcher: Haijian Chen

Haijian is a third year grad student in Physics at William and Mary, and is interested in applying multivariate methods and time series analysis to the ToF-SIMS spectra of known peptides to discriminate between them solely by looking at their low mass fragments. In addition, his studies are geared towards gaining information about relative concentration ratios from these fragments. He plans to use the new gold source on the ToF-SIMS to enhance his research.