



June Update 2009 College of William and Mary



Applied Research Center Student Newsletter

Safety Meeting at the ARC



On the 24th, 23 members of the W&M ARC crew assembled to participate in a safety meeting conducted by Steve Singleton, CSP, CHMM. Steve is the Senior Safety Engineer at the College of William and Mary. He presented information to the group about general laboratory safety. We also enjoyed pizza prior to the meeting.



After his presentation, Steve answered many questions that the participants had.

Steve also showed the group where we could locate the MSDS sheets on-line for each of our labs.

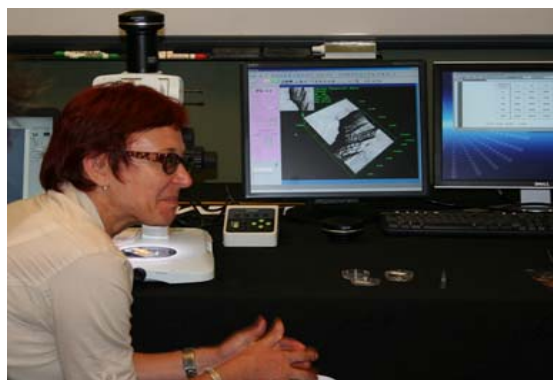
W&M Environmental Health and Safety web page can be found at the following URL:

<http://web.wm.edu/facman/safety/>

Olympus Microscope Demonstration



On the 25th, representatives from Olympus demonstrated several of their microscopes at the Applied Research Center. Here, Olga, Hui Tian, and Brandon examine the results of Olga and Hui Tian's Niobium sample. The Microscopes they brought were the LEXT Laser Confocal Microscope, Digital 3D Non-Contact surface profile for analysis in nanometer/micron range BX51 Petrographic Microscope, Reflected and Transmitted Light, Conoscopic and Orthoscopic SZX16/SZX10- Research Stereomicroscope system SZ61/SZ51 Zoom Stereomicroscope & Cameras: DP25 (high performance 5-megapixel color camera for daily light microscopy work) & DP72 (further advanced digital micro-imaging)



Olga is shown here admiring the imaging capabilities and roughness data obtained for her sample by using Olympus's Confocal Laser Scanning Microscope "LEXT". The "LEXT" microscope has "high precise measurements, high repeatability, and advanced analytical techniques related to roughness and particle analyses provide the user with a new dimension of microscopic observation."^[1]

References:

1. "Welcome to the World of LEXT 3D." *Olympus*. 8 Jul 2009 <<http://www.olympusmicroimaging.com/files/brochures/OLS3100.pdf>>.