



Applied Research Center Student Newsletter

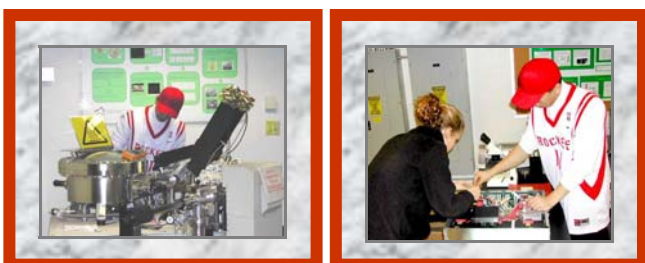
ToF-SIMS Maintenance



The last week of November was very busy in our Lab, not only because of the approach of finals but also because the ToF-SIMS maintenance was scheduled on the 28th of November. Sheng Chen (left picture above), a technician from Physical Electronics, arrived at the lab and began his work by installing a replacement gold source. In the top right picture Dee Dee, Amy and Natalie are pictured assisting.

Pictures below show the next step in the ToF-SIMS maintenance. Sheng had to replace the spectrometer power supply. On the left, he is pictured at the beginning of his job. In the right picture below, Dee Dee is helping him to check the replacement spectrometer power supply.

And last but not least--tuning of the Au source.



Pictured here are Sheng and Dee Dee, busy tuning and calibrating the system.

LAB TOUR



On November 23rd, Natalie and Olga conducted a guided tour of our lab for Mario Koskowski, a visiting scientist from Germany. In the top right picture, Natalie is describing the features of the Scanning Probe Microscope to him.

He was accompanied on his visit by Hani Elsayed-Ali (ODU-ARC Director), Jim Boyce (JLAB-FEL & Tech Transfer), and Michael Marcolini (NASA).



Tidbits from the lab



This is an example an injection needle that we had to install in the Scanning electron microscope for analysis. Due to the unusual shape of the object, we used aluminum foil to hold it on the sample holder.