



WILLIAM & MARY

CHARTERED 1693

Applied Research Center Core Labs Student Newsletter

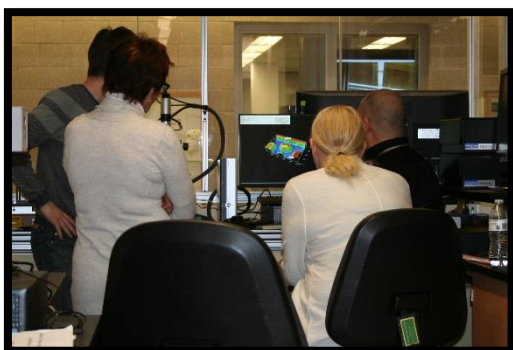
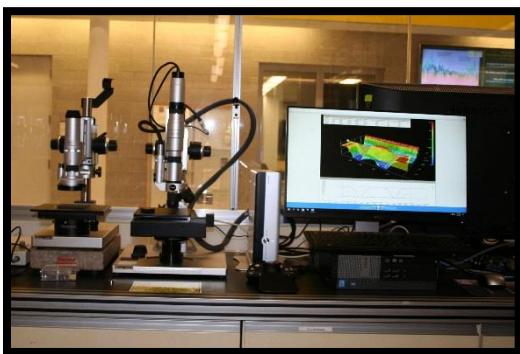
<http://www.wm.edu/sites/arc/newsletter/index.php>

(For information, the lab phone number is 757-221-3819)

Contributors: Amy Wilkerson, Olga Trofimova, Song Vick, Richard Proper, and Harry Eller

April 2019 Lab News

New Hirox Digital Microscope



Steve Buck, Technical Sales Representative from Hirox, installed our new Hirox RH-2000 digital microscope system in ISC3-1223 on April 2nd. The new microscope provides high resolution observation, accurate and fast measurements, a fully motorized XYZ axis for 3D tiling, and a state-of-the-art complementary metal oxide semiconductor (CMOS) sensor with improved light sensitivity and very low image noise.

Steve was able to conduct a training session for lab personnel who are excited about using the improved system.



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April 2019 Lab News continued-

New Dektak Surface Profiler

The new Bruker Dektak XT stylus surface profiler was installed April 9th in ISC3-1223. The Dektak XT features a new design that enables nanometer-level film step and surface measurements on a variety of samples. The system also includes a new software package which is very user friendly and includes more automated functions.

Thomas Coakly, Senior Field Service Engineer, Stylus & Optical Metrology Unit at Bruker, provided training after he installed and tested the new equipment.

The old Dektak 3ST system has been moved to MS-Hall, Lab 325.





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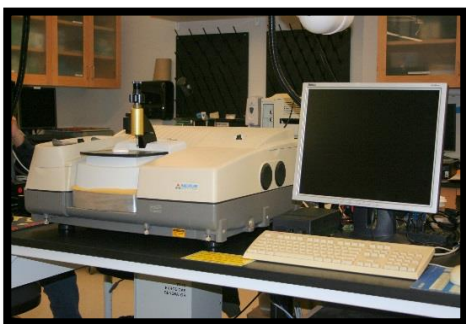
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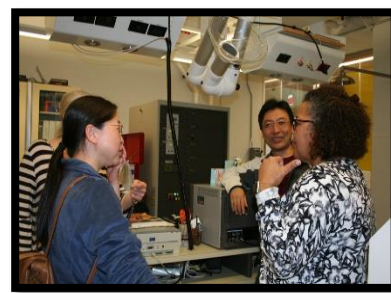
April 2019 Lab News continued-

Relocation of FT-IR to ISC3-1223



In April, lab personnel moved the Nicolet Nexus 670 Fourier Transform-Infrared Spectrometer (FT-IR) from Michael Kelley's lab in ISC3-243 to ISC3-1223. Users can still reserve this equipment using the Equipment Request Form on our website.

Special Lab Visitors



Mingyao Zhu and Haijian Chen along with their daughter, Alyssa, stopped by the lab while they were visiting the area during Alyssa's Spring Break. Both Mingyao and Haijian received their PhDs from W&M and were frequent researchers at the ARC Labs in Newport News. Even Lydia Whitaker fondly remembered the couple and came by the lab for the reunion. Haijian managed to find a picture on his phone of Amy feeding baby Alyssa. The picture was taken about 10 years ago at the ARC. It was so nice to see Alyssa now as a student in the 4th grade who is also interested in science. Mingyao and Haijian both work in Baltimore at the Maryland Proton Treatment Center which is affiliated with the University of Maryland.

