



Shared Facilities

SCIENCE AND ENGINEERING EQUIPMENT AND INSTRUMENTATION PORTAL (EQUIP)

UB's Science and Engineering Equipment and Instrumentation Portal (EQUIP) is a web-based portal to Shared Facilities providing cost-effective access to precision tools and equipment for electronic device development, and the study and analysis of materials.

ADVANCING EDUCATION, RESEARCH AND ECONOMIC OPPORTUNITIES

“Through these facilities UB aims to enhance the student educational experience, create a climate for inter-disciplinary studies, and stir mutually-beneficial collaborations with the public and private sectors to advance economic opportunities in the Buffalo Niagara region and New York State.”

*Liesl Folks, PhD, MBA
Dean, School of Engineering
and Applied Sciences*

STATE OF THE ART INSTRUMENTATION FOR SHARED USE BY FACULTY, STUDENTS AND INDUSTRY

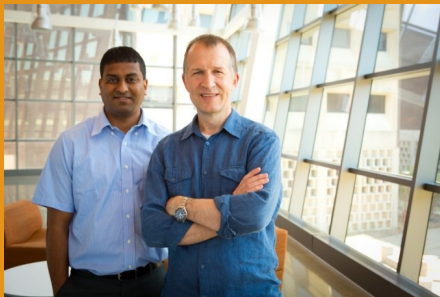
CAPABILITIES FOR:

- Deposition
- Etching
- Metrology
- Microscopy
- Photolithography
- Spectrometry
- Surface Science
- Thermal processing & analysis
- Wafer bonding
- X-ray diffraction & fluorescence

SERVICES TO MEET ACADEMIC, INDUSTRY AND GOVERNMENT NEEDS:

- Use of specialized equipment and facilities
- Project consultation
- Hands-on training
- Full service processing and analysis

FACILITATING INDUSTRY—ACADEMIC COLLABORATIONS



Uttam Singiseti (left) and Jonathan Bird received funding from the Nanoelectronics Research Initiative's (NRI) Center for NanoFerroic Devices (CFND) to conduct low-power computing experiments involving magnetoelectric and ferroelectric devices. Making advancements in the field is a priority of big businesses like GLOBALFOUNDRIES, IBM, Intel, Micron Technology and Texas Instruments - all of which support the NRI.

GET STARTED
Learn more and search equipment at:
[www.buffalo.edu/
shared-facilities-
equip.html](http://www.buffalo.edu/shared-facilities-equip.html)

Shared Laboratories



DAVIS HALL ELECTRICAL ENGINEERING CLEANROOM

Among the most advanced in the Buffalo Niagara region, this facility features class 1000 space with class 100 working areas and seven bays of research space, allowing for electronic device research, processing and development, including study and fabrication of nano-devices.



FURNAS HALL MATERIALS CHARACTERIZATION LAB

The Furnas Hall Materials Characterization Laboratory facilitates cost-effective analysis and characterization of a wide range of materials. Four research bays and 1,700 square feet of space, house the resources needed to analyze liquid, powder, surface and bulk materials.



SOUTH CAMPUS INSTRUMENT CENTER

The South Campus Instrument Center (SCIC) is a full-service facility specializing in surface imaging and spectroscopy for a wide range of materials and products, as well as expertise in product quality assurance testing, failure analysis, and forensic evaluations.

FOR MORE INFORMATION, CONTACT:

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