

Advanced Microscopy



Zeiss ORION Helium Ion Microscope

Visualization, Characterization, and Fabrication.

The Joint School of Nanoscience and Nanoengineering (JSNN) offers 24/7 access to a suite of advanced microscopy resources including equipment training, remote sample preparation & analysis, and imaging consultations. In addition to a wide variety of visualization, characterization and fabrication tools with nanometer scale controllability, JSNN provides expert-driven analysis through skilled research staff to address the needs of academic, industry, and government users. For access to the core user facility and professional staff, join the JSNN's Nanomanufacturing Innovation Consortium (NIC), administrated by Gateway University Research Park (www.gatewayurp.com/pages/The_Nanoschool).

Expert Training

Experienced staff can provide quality training in one-on-one or small group sessions.

Rapid Sample and Data Analysis

Experienced research staff can assist in sample preparation, imaging, and data analysis.

Zeiss EVO Environmental SEM



Zeiss AURIGA FIB/SEM



New Process Development

Work with our skilled staff to develop innovative processes and imaging capabilities.

Microscopy Suite

Charged Particle Microscopes

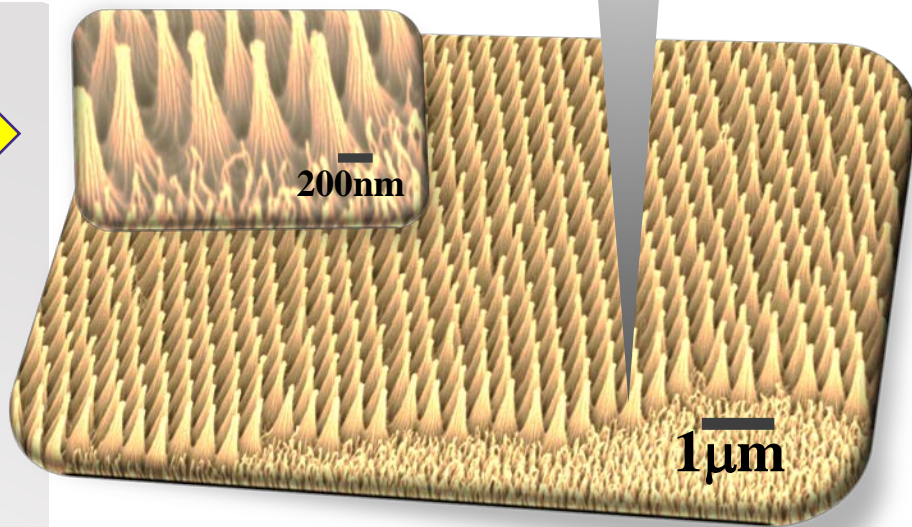
- Zeiss ORION Helium Ion Microscope (HIM)
- Zeiss AURIGA Crossbeam Scanning Electron Microscope/Focused Ion Beam (FESEM/FIB)
- Zeiss LIBRA Transmission Electron Microscope (TEM)
- Zeiss EVO VP-SEM (Environmental)
- Hitachi S4800 SEM

Scanning Probe Microscopes

- Keysight Technologies 5600LS Atomic Force Microscope (AFM)
- Nanoscience TraxSTM (Scanning Tunneling Microscope)

Optical Microscopes

- Zeiss Axio Spinning Disk (SD) Confocal Microscope
- Zeiss Axio Imager Z2m
- Zeiss Axio Observer A1



Zeiss LIBRA 120 TEM

For more info or to join the Nanomanufacturing Innovation Consortium (NIC), please contact-

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Zeiss Spinning Disk Confocal Microscope



JSNN

Joint School of
Nanoscience and Nanoengineering



SENIC

Southeastern
Nanotechnology
Infrastructure
Corridor