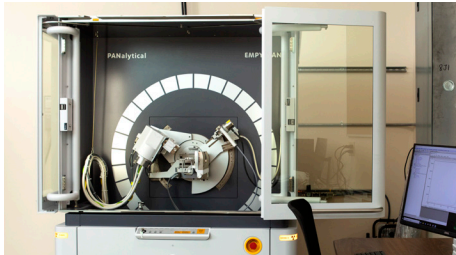




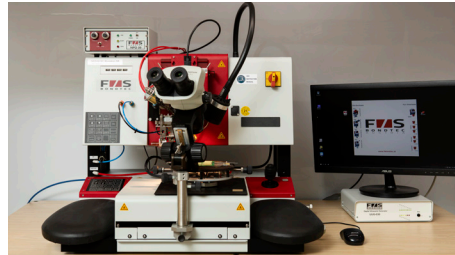
Funded by a \$2.4 million grant from the Massachusetts Manufacturing Innovation Initiative (M2I2), LEAP@Stonehill is an integral part of the AIM Photonics Academy LEAP network. The Stonehill College lab in Easton, Massachusetts, offers state-of-the-art equipment.

LEAP@Stonehill Capabilities



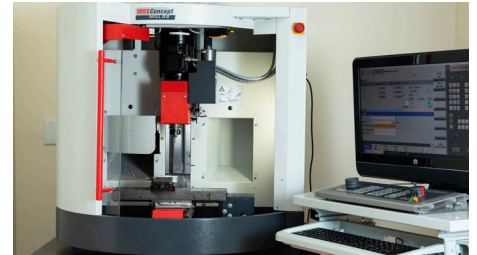
Photonics Material Characterization

- XRD
- Raman
- UV-vis
- Instron Material Stress/Strain
- Ellipsometer
- FTIR+PL
- Hyperspectral Imaging System With FTIR
- Cryostat for Both FTIR Systems



High-Speed Photonics System and Device Testing

- Mapleleaf Auto Fiber Aligner
- Lightwave Component Analyzer
- 25 GHz Oscilloscope and AWG
- Polarization Extension Ratio Analyzer
- Scanning Electron Microscope (SEM)
- Modulator
- Optical Spectrum Analyzer
- Source Meter
- Ball/Wedge Wire Bonder; Pull/Shear Test

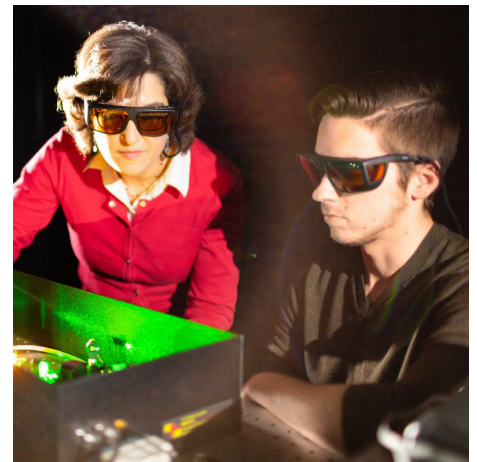


Fundamental Manufacturing and Electronics

- Emco Concept 55 CNC Milling Machine
- Markforged Onyx 3D Printer
- Starrett Coordinate Measuring Machine (CMM)
- Einscan 3D Scanner
- Manufacturing Quality Assurance
- Amatrol Electronics Learning System
- Skill Boss Smart Factory

Features of LEAP@Stonehill

- Promising: Part of a broad coalition of AIM Photonics, government, academia and industry that evolved as a solution to a national shortage of photonics and electronics technicians and engineers.
- Practical: Students in the Photonics Certificate program, and students in the undergraduate Photonics program, gain hands-on experience through LEAP@Stonehill, which is also used to support student and faculty research.
- Partnership: Cutting-edge facilities where students, professors and industry professionals can learn, teach and work side by side; available for industry and academic partners for training purposes and for developing their own products and technologies.



Learn more, meet the team and reserve facility and equipment:



Guiru Gu
 ggu@stonehill.edu
 Photonics Program Director



STONEHILL COLLEGE