MATERIALS TESTING

TECHNICAL STRENGTHS
• Plasticity and viscoplasticity
• Thermal analysis
• Corrosion research
• Ceramic processing
• Sensors and measurements
• Microstructural characterization
• Mechanical testing and forming
• Wear testing and characterization
• Solidification and liquid processing
• High-temperature equilibria and kinetic measurements
• Electron microscopy and x-ray analytical services
• Superconducting materials and characterization
• Thin film preparation and characterization

FACILITIES
• Dynamic Mechanics of Materials Laboratory
• Center for Electron Microscopy and Analysis
• Fusion Welding, Friction Surfacing
• Center for Accelerated Maturation of Materials
• Center for Emergent Materials
• Fontana Corrosion Center
• Fuel Cell Research Center
• Center for Superconducting and Magnetic Materials
• Nanoscale Science and Engineering Center

KEY EXPERTISE
• Amos Gilat, Professor, Mechanical & Aerospace Engineering
• Glenn Daehn, Executive Director, Ohio Manufacturing Institute and Professor, Materials Science & Engineering