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Funding Sources

- National Science Foundation
- Department of Defense
- NASA

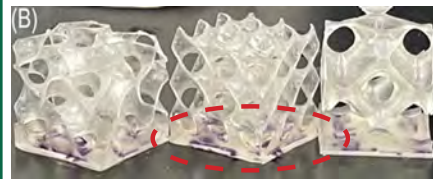
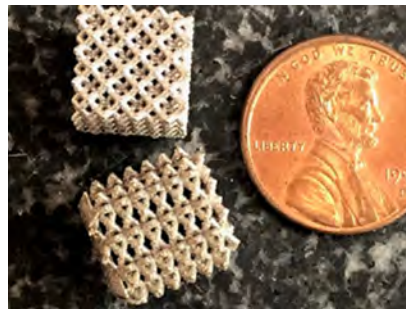
Selected Research Topics

- High-Performance Machining
- Additive and Hybrid Manufacturing
- Structural Optimization
- Micromechanical Fabrication and Characterization



**DIGITAL
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NORTH TEXAS

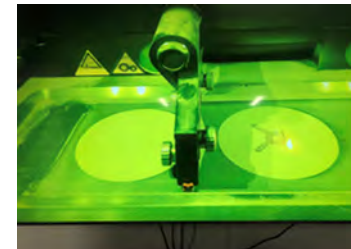
Structural Optimization



Ongoing Research

- Topology Optimization of Lightweight Structures
- Lattice Structural Optimization

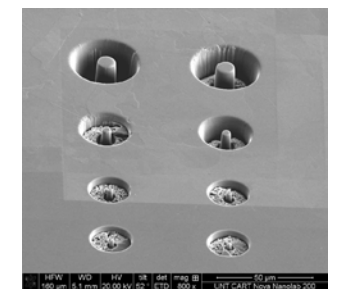
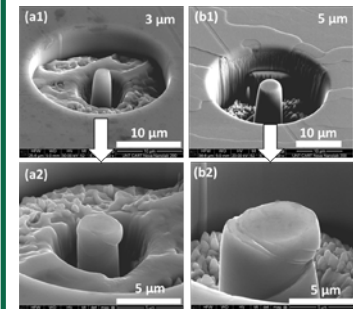
Additive Manufacturing



Ongoing Research

- Process Lifecycle Assessment
- Hybrid Manufacturing (Additive + Subtractive)
- Surface Integrity

Micromechanical Fabrication and Characterization



Ongoing Research

- Micromachining of Sculptured Surfaces
- Focus Ion Beam machining
- Surface Mechanics by Nanoindentation