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Research Theme

Aerospace and Transportation Materials and Manufacturing (ATMM)

Research Areas

- Mechanics, Dynamics and Material Response in Machining Processes
- Micro Machining
- Vibration Assisted Machining
- Machining of Bulk Metallic Glasses
- Machining of Carbon Fiber Reinforced Polymer (CFRP)
- Surface Integrity
- CNC Design

Research Facilities/Tools

- Precision CNC Machining Center
- Vibration Testing Instrument
- Multi-dimensional Vibration Stage
- Diamond Cutting Tool
- Finite Element Software

