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Research Theme

Aerospace and Transportation Materials and Manufacturing

Research Areas

- Advanced lightweight alloys
- High strength, high formable steels
- Metal matrix composites
- Microstructure/ property models

Research Facilities/Tools

- DSI Gleeble 3500 Thermomechanical Test System with unique laser ultrasonics capability for in situ microstructure characterization
- DSI Hot Torsion Testing Machine
- Digitally controlled MTS hydraulic load frames
- Zeiss Sigma Field Emission Gun Scanning Electron Microscope with TSL EBSD
- Setaram Thermal Analysis Suite
- Advanced optical microscopy

