



## Lukas Bichler

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### Research Theme

Aerospace and Transportation Materials and Manufacturing (ATMM)

### Research Areas

- Development of new materials via metalcasting and powder metallurgy applications
- Aluminum and Magnesium alloys for automotive applications
- Ceramic materials for thermal insulators and semiconductor applications
- Fabrication of nuclear fuels via Spark Plasma Sintering

### Research Facilities/Tools

- Comprehensive metalcasting laboratory
- Mechanical testing and microstructure characterization facilities
- DSC / TGA
- Image analysis and microscopy
- Corrosion testing
- Powder processing and characterization
- Spark Plasma Sintering

