

# Additive Manufacturing of Metals and Alloys

## Topics for student seminar

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# Seminar topics

- LPBF with water atomized powder
- Laser-powder interaction and spatter formation
- AM process analysis
- Processability and defect formation
- AM of high-strength Al alloys
- Novel Al-Ce-base eutectic alloys for AM
- AM of single crystal Ni superalloys
- AM of Tungsten
- Residual stresses and mechanical properties