

Objective

Develop a novel capability for simultaneous high-speed IR & VL imaging of temperature & deformation fields in dynamcailly deforming HEMs

- \succ Resolutions of 15.6 microns in space and 1 microsecond in time via optical high-speed imaging and 12.5 microseconds via high-speed infrared imaging
- > Grain size and type recognition, movement tracking, deformation and temperature analysis, and digital image correlation (DIC)





Novel Capability for Microscale In-situ imaging of Temperature and Deformation Fields under Dynamic Loading (MINTED)

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