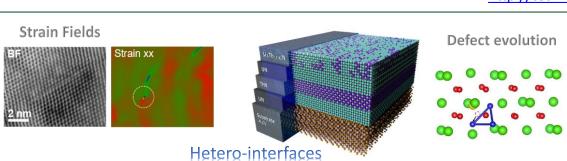
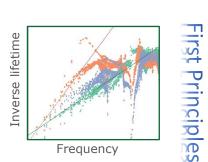
Center for Thermal Energy Transport under Irradiation (TETI) David Hurley (Idaho National Laboratory); Class: 2018-2026

MISSION: To accurately predict, from first principles, thermal energy transport in actinide materials in extreme environments.

http://teti.inl.gov

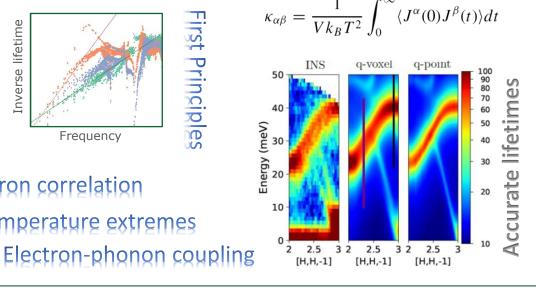




Electron correlation

Temperature extremes





RESEARCH PLAN

Thermal energy transport in nuclear fuel is directly related to fuel performance, safety margins, and fuel longevity. The aim of TETI is to develop a first principles understanding of electron and phonon transport in advanced nuclear fuels that will provide the necessary tools to enhance thermal transport by tailoring defects and microstructure.

















