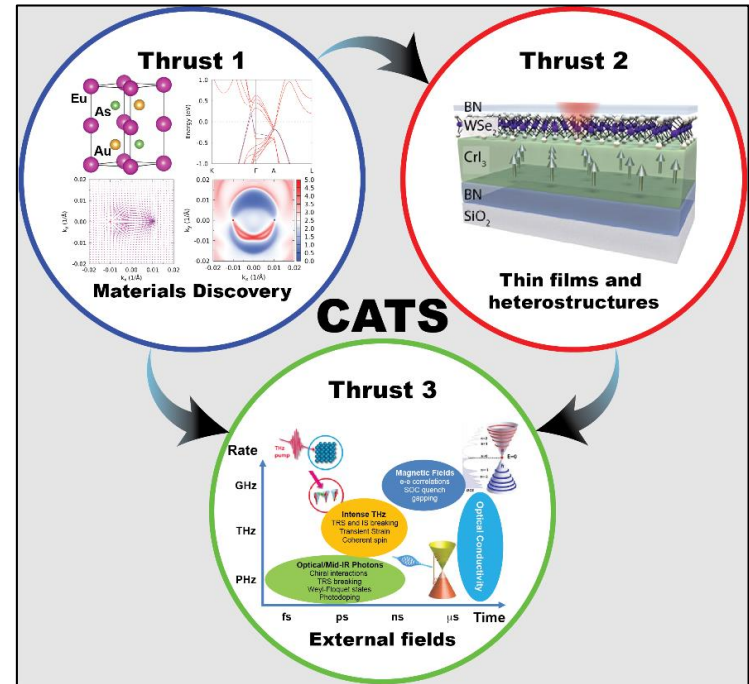


# Center for the Advancement of Topological Semimetals (CATS)

Robert McQueeney (Ames Laboratory); Class: 2018-2022

**MISSION:** To understand and discover new quantum phenomena and functionality in topological materials for future applications in spin-based electronics, computing, and sensing.



<https://cats.ameslab.gov>

## RESEARCH PLAN

CATS has crosscutting research thrusts to; (1) predict, discover, and understand new magnetic topological semimetals, (2) discover and control novel quantum states and functionality in thin films and heterostructures, and (3) investigate the manipulation of topological states with external fields.