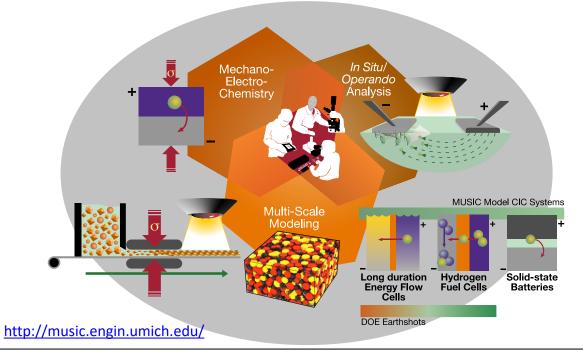
Mechano-Chemical Understanding of Solid Ion Conductors (MUSIC) Jeff Sakamoto (University of Michigan); Class: 2022-2026

MISSION: To reveal, understand, model, and ultimately control the chemo-mechanical phenomena underlying the processing and electrochemical dynamics of ceramic ion conductors (CICs) for clean energy systems.



RESEARCH PLAN

Thrust 1: Revealing electrochemical-mechanical coupling at CIC interfaces and interphases

Thrust 2: Understanding material degradation pathways in CIC-based electrochemical systems

Thrust 3: Science of synthesis, processing, and manufacturing of CICs













