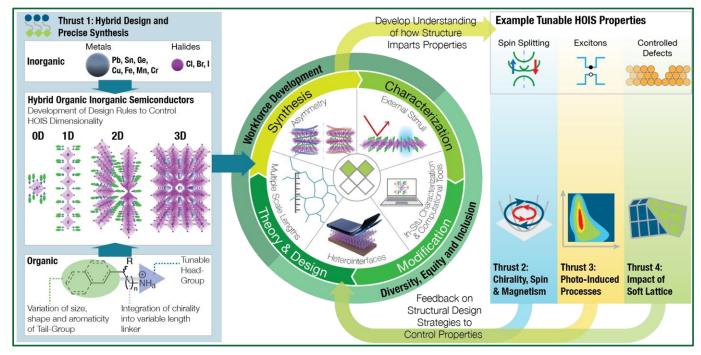
Center for Hybrid Organic Inorganic Semiconductors for Energy (CHOISE) Matthew C. Beard (National Renewable Energy Laboratory); Class: 2018-2026

MISSION: To demonstrate *unprecedented* control over spin, charge, phonon and light properties through synthesis and characterization of crystalline Hybrid Organic Inorganic Systems, their interfaces and heterostructures.



THE UNIVERSITY

SAN DIEGO STATE

UNIVERSITY

Boulder

TOLEDO

www.choise-efrc.org

RESEARCH PLAN

We will employ the full flexibility of organic and inorganic chemistry to design and demonstrate HOIS with unique and controllable spin, electronic, and optical properties. Key structural parameters will include metal selection, halide/psuedohalide choice, overall stoichiometry, and organic cation choice.

