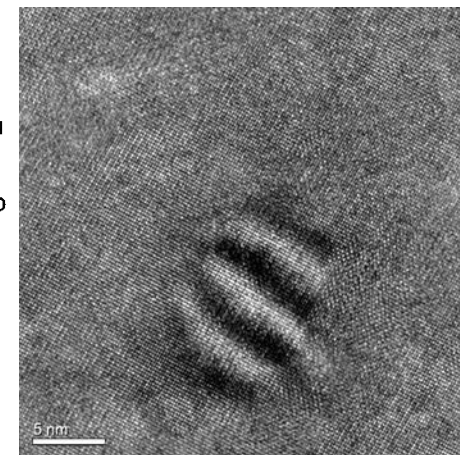
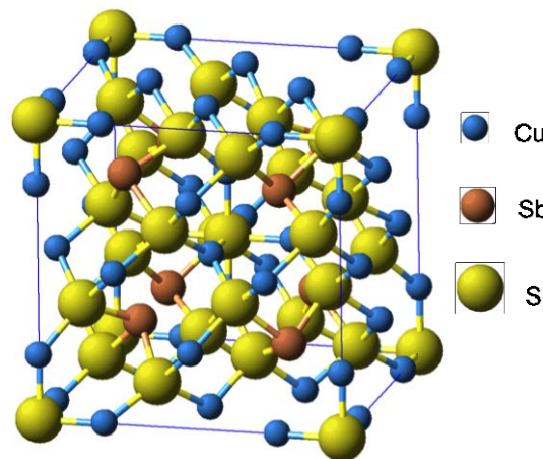


The Center for Revolutionary Materials for Solid State Energy Conversion will focus on the fundamental science of thermoelectricity. It will combine experimental, theoretical, and computational approaches to synthesize, characterize, and understand the nature of the thermoelectric energy conversion process.



RESEARCH PLAN AND DIRECTIONS

Challenges:	Create “contraindicated” properties in solids
Approaches:	Synthesis of novel structures, compounds, and alloys; computational and theoretical investigations
Uniqueness:	Nanoscience, self-assembly of nanostructures
Outcomes:	Deeper understanding of thermoelectric energy conversion