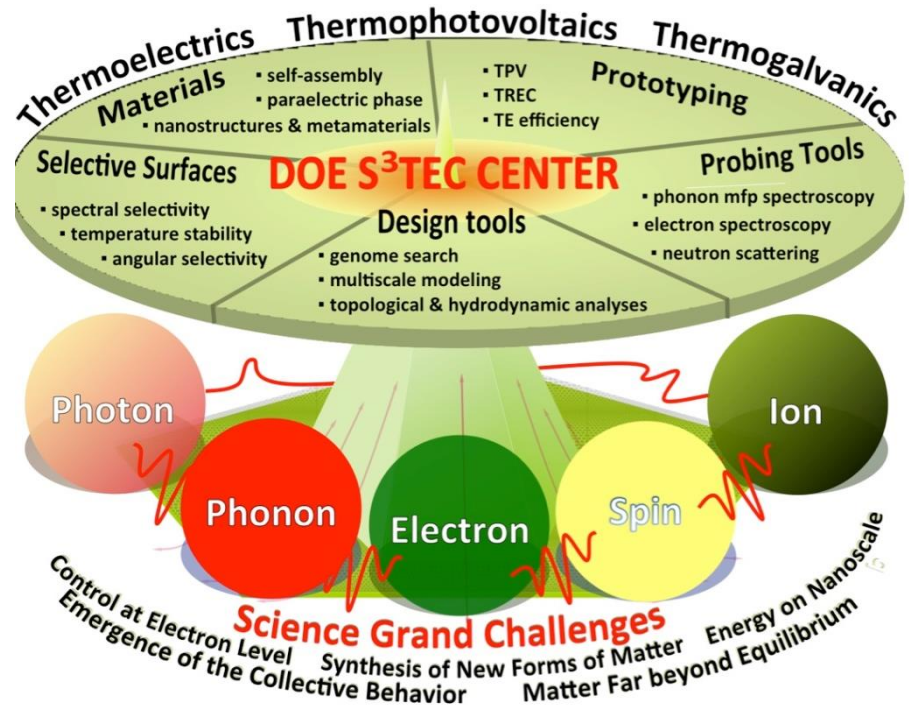


# Solid-State Solar-Thermal Energy Conversion Center (S<sup>3</sup>TEC)

Gang Chen (Massachusetts Institute of Technology)

**EFRC Mission:** To advance fundamental science and materials for harnessing heat from the Sun and terrestrial sources and for converting this heat into electricity via thermoelectric, thermophotovoltaic, and thermogalvanic technologies.

<http://s3tec.mit.edu/>



## RESEARCH PLAN

The Center combines experiments, modeling, and simulation to study and optimize the properties of elementary energy carriers involved in heat-to-electricity energy conversion, which will guide design and synthesis of new materials and demonstration of proof-of-principles prototypes.