



MRSEC Seed Symposium

Wednesday, January 18, 2017
Walter Library, Room 101

1:00 – 1:10 PM

TIM LODGE — MRSEC DIRECTOR



1:10 – 1:35 PM

LAURA GAGLIARDI — CHEMISTRY

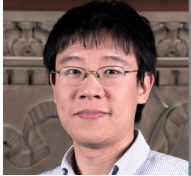
First principles study of structural and electronic properties of inorganic perovskites (CsMI_3 , $M = \text{Pb, Sn, Ge, Mg, Ca, Sr, Ba}$)



1:35 – 2:00 PM

SARAH SWISHER — ELECTRICAL AND COMPUTER ENGINEERING

Nanoscale materials and fabrication methods for flexible electronics



2:00 – 2:25 PM

XIANG CHENG — CHEMICAL ENGINEERING AND MATERIALS SCIENCE

Finding order in glasses: structure and dynamics of glass-forming colloidal liquids under confinement

2:25 – 2:45 PM

Break



2:45 – 3:10 PM

XIAOJIA WANG — MECHANICAL ENGINEERING

Impact of oxygen vacancies on the thermal transport in perovskite epitaxial films of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-d}$



3:10 – 3:35 PM

MICHAEL MCALPINE — MECHANICAL ENGINEERING

3D printed light-emitting diodes



3:35 – 4:00 PM

VLAD PRIBIAG — PHYSICS

Low-temperature electronic transport in $\text{NdTiO}_3 / \text{SrTiO}_3$ heterostructures

4:00 – 4:10 PM

Closing comments