

All-MRSEC Meeting

Thursday, January 31, 2019

IMA, Room 3-180

Chris Leighton, Presiding

12:30 P.M. – 12:35 P.M.
INTRODUCTION



12:35 P.M. – 1:00 P.M.
BHARAT JALAN — IRG-1, CHEMICAL ENGINEERING AND MATERIALS SCIENCE

Electrostatic Control of Electronic Transport in Wide Band Gap Perovskite Oxides



1:00 P.M. – 1:25 P.M.
FIONA BURNELL — SEED, SCHOOL OF PHYSICS AND ASTRONOMY

Bridging the 2D and 3D Worlds with Transition Metal Dichalcogenides



1:25 P.M. – 1:50 P.M.
ANDRE MKHOIAN — IRG-2, CHEMICAL ENGINEERING AND MATERIALS SCIENCE

Nano-crystals Through the Eyes of Atomic-resolution Analytical TEM

1:50 P.M. – 2:10 P.M. — Break



2:10 P.M. – 2:35 P.M.
ELLAD TADMOR — SEED, AEROSPACE ENGINEERING AND MECHANICS

Understanding the Mechanics of 2D Heterostructures



2:35 P.M. – 3:00 P.M.
ILJA SIEPMANN — IRG-3, DEPARTMENT OF CHEMISTRY

Predictive Modeling of Oligomers: From Low Chi to High Chi



3:00 P.M. – 3:25 P.M. — Team Presentation
NATHAN MARA — SEED, CHEMICAL ENGINEERING AND MATERIALS SCIENCE

ANDREAS STEIN — SEED, DEPARTMENT OF CHEMISTRY

Metal-Ceramic Nanocomposites Designed for Thermomechanical Robustness



3:25 P.M.
WRAP-UP

