

MATERIALS RESEARCH OUTREACH PROGRAM (MROP) 2018

Session 1, Wednesday Morning, January 31, 2018, Corwin Pavilion

8:15 am	<i>Breakfast</i>	
8:45 am	<i>Opening remarks by Dean Alferness, Dean Wiltzius, and VC Incandela</i>	
9:00 am	<b>Douglas Fabini</b> <i>UCSB, Materials</i>	Main-Group Halide Perovskites: Structural And Dynamical Insights for Photovoltaic Performance
9:30 am	<b>Kerstin Schierle-Arndt</b> <i>BASF</i>	CARA - California Research Alliance by BASF
10:00 am	<i>Refreshment Break</i>	
10:30 am	<b>Siddharth Dey</b> <i>UCSB, Chemical Engineering</i>	Studying Heterogeneity in Biological Systems
11:00 am	<b>Morgan Schulze</b> <i>UCSB, Chemical Engineering</i>	Bridging Synthesis and Self-Assembly in Advanced Soft Materials
11:30 am	<b>Gab Menard</b> <i>UCSB, Chemistry &amp; Biochemistry</i>	Abundant Metal Complexes for Chemical or Electrochemical Energy Storage
12:00 pm	<i>Lunch</i>	

Session 2, Wednesday Afternoon, January 31, 2018, Corwin Pavilion

1:30 pm	<b>Kristin Ceder-Persson</b> <i>UC Berkeley and LBNL</i>	The Materials Project for Accelerated Materials Design and Discovery
2:00 pm	<b>Zvonimir Dogic</b> <i>UCSB, Physics</i>	Autonomous Motility in Soft Active Matter
2:30 pm	<i>Refreshment Break</i>	
3:00 pm	<b>James Rogers</b> <i>Apeel Sciences</i>	Beyond "Chemicals" - Microstructure in Agriculture
3:30 pm	<b>CHEETHAM LECTURE</b> <b>Stuart Rowan</b> <i>University of Chicago</i>	Design and Synthesis of Adaptive Polymeric Materials
4:30 pm	<i>Posters and Reception</i>	

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Session 3, Thursday Morning, February 1, 2018, Corwin Pavilion

8:30 am	<i>Breakfast</i>	
9:00 am	<b>Dan Gianola</b> <b>Stephen Wilson</b> <i>UCSB, Materials</i>	IRG-1: Magnetic Intermetallic Mesostructures
9:30 pm	<b>Alexandra Bayles</b> <i>UCSB, Chemical Engineering</i>	Liquids as Solids: Visualizing Anomalous Diffusion in Ionic Liquids
10:00 am	<i>Refreshment Break</i>	
10:30 am	<b>John Martinis</b> <i>Google Inc./UCSB, Physics</i>	Quantum Supremacy: Checking a Quantum Computer with a Classical Supercomputer
11:00 am	<b>Claire McLellan</b> <i>UCSB, Physics</i>	Pushing the Sensitivity of Wide-Field Magnetometry with Nitrogen-Vacancy Center Ensembles In Diamond
11:30 am	<b>David Hsieh</b> <i>Caltech</i>	Hidden Electronic Phases in Heavy Transition Metal Oxides
12:00 pm	<i>Lunch</i>	

Session 4, Thursday Afternoon, February 1, 2018, Corwin Pavilion

1:30 pm	<b>Matt Helgeson,</b> <b>Megan Valentine</b> <i>UCSB, Chemical Engineering,</i> <i>Mechanical Engineering</i>	IRG-3: Resilient Multiphase Soft Materials
2:00 pm	<b>Francois Barthelat</b> <i>McGill University</i>	Exploring Material Property Space Using Bioinspiration and Microarchitecture
2:30 pm	<b>Cora Leibig</b> <i>Chromatic 3D Materials</i>	Thermoset Materials for 3D Printing
3:00 pm	<i>Refreshment Break</i>	
3:30 pm	<b>Christine Luscombe</b> <i>University of Washington</i>	Chalcogen Polymers for Nanoparticle Synthesis and Solar Cell Fabrication
4:00 pm	<b>Xie Zhang</b> <i>UCSB, Materials</i>	Radiative and Non-Radiative Recombination in Hybrid Perovskites
4:30 pm	<b>Glenn Fredrickson</b> <b>Rachel Segalman</b> <i>UCSB, Chemical Engineering,</i> <i>Materials</i>	IRG-2: Polymeric Ionic Liquids
5:00 pm	<i>Posters and Reception</i>	