

## Program: Wednesday January 26<sup>th</sup>

8:45 am	Opening remarks by Dean Tresa Pollock	
<i>Session Chair: Raphaële Clément</i>		
9:00 am	Sriram Krishnamoorthy	Gallium Oxide Materials and Devices Towards Efficient Power Electronics
9:30 am	Nina Miolane	Shape Learning: From Images to Scientific Insights
10:00 am	<i>Break</i>	
10:30 am	Yangying Zhu	Microscale Thermal-Fluids Engineering for Energy Applications
11:00 am	Emily Foley	Towards More Sustainable Battery Chemistries — Na-Fe-F Cathodes
11:30 am	Tom Hunt (Sila Nanotechnologies)	Materials for the Electric Vehicle Revolution
12:00 pm	<i>Break</i>	
<i>Session Chair: Angela Pitenis</i>		
1:30 pm	Jessica Santana	Entrepreneurial Failure, Resilience, and Agility
2:00 pm	Omar Saleh	A Functional DNA Liquid
2:30 pm	<i>Break</i>	
3:00 pm	Ted Deisenroth (BASF)	Microfluidics and Screening — Two Successful Academic Collaborations at BASF
3:30 pm	Day 1 closing remarks	

Day 1: <https://ucsb.zoom.us/j/83371173917>

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## Program: Thursday January 27<sup>th</sup>

<i>Session Chair: Yang Yang</i>		
9:30 am	Hunter Martin (HRL)	Investigating Microstructure and Precipitate Evolution in Additively Manufactured Aluminum Alloys
10:00 am	<i>Break</i>	
10:30 am	Sally Jiao	Automated Design of Chemically Functionalized Nanopores to Control Solute Transport and Selectivity
11:00 am	Vijay Mhetar (Kraton)	Block Copolymers: Unlocking Opportunities to Create A Sustainable Future
11:30 am	Joe Patterson (UC Irvine)	A Close Look at Molecular Self-assembly with the Transmission Electron Microscope
12:00 pm	<i>Break</i>	
<i>Session Chair: John Harter</i>		
1:30 pm	Ron Zuckermann (LBNL)	Mimicry of Protein Structure with Bio-inspired Peptoid Polymers
2:00 pm	Allison Abdilla	Polymer Stereocomplexation as a Scalable Platform for Nanoparticle Assembly
2:30 pm	Doug Grzetic	Electrostatic Manipulation of Mesoscale Structure in Charged Polymer Blends
3:00 pm	<i>Break</i>	
3:30 pm	Efrain Rodriguez (U. Maryland)	Breaking Symmetry to Induce Novel Properties in Inorganic Materials
4:00 pm	Justin Mayer	Magnetism, Mechanics, and Mixing in Heusler Compounds
4:30 pm	Katharine Page (U. Tennessee)	Tuning Chemical Short-Range Order in High-Entropy Oxide Perovskite and Spinel Lattices
5:00 pm	Day 2 closing remarks	

Day 2: <https://ucsb.zoom.us/j/89634472926>

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