

Ideas for the Future of Materials Research

April 7, 2022



<p>3:30 pm ET /12:30 am PT</p>	<p>Opening Remarks from the MRS and CMMRC Welcome from MRS Bob Braughler</p>	<p>5 min 2 min</p>
<p>3:32 pm ET</p>	<p>Introduction to the CMMRC Sue Coppersmith, University of Wisconsin, Madison Tom Witten, University of Chicago Chris Jones, National Academies</p>	<p>3 min</p>
<p>3:35 pm ET /12:35 am PT</p>	<p>Evolution and Next Steps from CMMRC workshops <i>Frontiers in Memristive Materials for Neuromorphic Processing Applications</i> Leslie Momoda</p>	<p>30 min 10 min 10 min</p>
<p>3:45 pm ET</p>	<p><i>Frontiers in Synthetic Moiré Quantum Matter</i> Aharon Kapitulnik</p>	<p>10 min</p>
<p>3:55 pm ET</p>	<p><i>Frontiers in Data Analytics and Monitoring Tools for Extreme Materials</i> Olivia Graeve</p>	
<p>4:05 pm ET /1:05 pm PT</p>	<p>“Idea Search” activity</p>	<p>45 min</p>
<p>4:10 pm ET</p>	<p><i>Advancing Machine Intelligence via Robotic Materials</i> Ryan L. Truby</p>	<p>4 min</p>
<p>4:14 pm ET</p>	<p>Q&A</p>	<p>6 min</p>
<p>4:20 pm ET</p>	<p><i>Uncharted territories between crystals and glasses</i> Xiaoming Mao</p>	<p>4 min</p>
<p>4:24 pm ET</p>	<p>Q&A</p>	<p>6 min</p>
<p>4:30 pm ET</p>	<p><i>High Entropy Materials for Energy Applications</i> Zac Ward</p>	<p>4 min</p>
<p>4:34 pm ET</p>	<p>Q&A</p>	<p>6 min</p>

4:40 pm ET	<i>Viscous hydrodynamics in curved geometries</i> Avraham Klein	4 min
4:44 pm ET	Q&A	6 min
4:50 pm ET /1:50 am PT	Other ideas, questions from the community, and general discussion	<i>10 min</i>
5:00 pm ET /2:00 pm PT	End of Broadcast	

The National Academies of
SCIENCES • ENGINEERING • MEDICINE