

Division on Engineering and Physical Sciences
Board on Physics and Astronomy

Condensed Matter and Materials Research Committee

April 30th and May 1st, 2024

Hybrid meeting - Huntington Room, Academies Beckman Center, Irvine, CA

DAY 1 - Apr 30, 2024

(Times are in Pacific Time)

OPEN SESSION - Livestream: <https://vimeo.com/event/4258200>

9:45	Welcome and Meeting Objectives	Leslie Momoda, HRL
10:00	<u>Learning Materials</u>	Arvind Murugan, University of Chicago
11:00	<u>Organic and Hybrid Mixed Ionic/electronic Conductors</u>	Jonathan Rivnay, Northwestern University
12:00	<i>Working lunch, continue discussion</i>	
1:00	<u>Metastable Materials and AI</u>	Boris Kozinsky, Harvard University
2:00	Breakouts to further discuss speaker topics, emerging CMMR topics	All
3:00	<i>Break</i>	
3:15	Reconvene as a whole for discussion	Leslie Momoda
4:15	<i>Open Session Ends, Break</i>	

DAY 2 - May 1, 2024

OPEN SESSION - Livestream: <https://vimeo.com/event/4258204>

8:45	Review of Day 2 Agenda	Leslie Momoda
9:00	<u>Emerging CMMR Topics</u>	Sharon Glotzer, University of Michigan
10:00	<u>Update since 2019 Thermal Transport Workshop</u> Link to workshop proceedings: click here	Lucile Savary, École Normale Supérieure de Lyon
11:00	Meeting wrap-up discussion	Leslie Momoda
11:45	<i>Open Session Ends</i>	

STATEMENT OF TASK

The Condensed Matter and Materials Research Committee (CMMRC) is a standing committee responsible for advising the Board on Physics and Astronomy on the fields of condensed matter science and materials research, including the physics, chemistry, and biological applications of these fields.

A principal role of the CMMRC is to plan, develop programs, and oversee activities that may be initiated under its auspices. In conducting its work, the CMMRC holds discussions with researchers in academe, industry, and government laboratories; managers of the research enterprise; and policy leaders in science and technology communities. The committee also meets with representatives from federal agencies providing support for the fields mentioned above, with those discussions focusing on current programs, policies, trends, and issues. The CMMRC plans and develops prospectuses for studies and other activities (e.g., workshops), which are to be carried out by appointed ad hoc committees/panels and can result in Academies reports. Such reports may contain assessments of research areas with recommendations to facilitate scientific progress in the forefront areas of research in these fields.

The CMMRC may also track initial topics to consider as part of the decadal survey's Condensed Matter and Materials Physics (CMMP) volume.