

NATIONAL ACADEMIES

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Study Committee on the Quadrennial Review of the National Nanotechnology Initiative

Hybrid Meeting via Zoom

September 4 and 5, 2024

NAS Beckman Center

100 Academy Way, Irvine, CA 92617

AGENDA

(subject to updates)

Wednesday, September 4

9:00am PT / 12:00pm ET

Open Session: Federal Perspectives on Nanotechnology Infrastructure and Access

Kei Koizumi, Principal Deputy Director for Policy, White House Office of Science and Technology Policy

10:00 am PT/ 1:00 pm ET

Open Session: Access and Barriers to Nanotechnology Infrastructure – Panel 1

Sherine Obare, Vice Chancellor for Research and Engagement, Professor, Joint School of Nanoscience and Engineering, University of North Carolina at Greensboro

Shyam Aravamudhan, Director, Joint School of Nanoscience and Engineering's Institute for Research Technologies, North Carolina Agricultural & Technical State University –

Thomas Searles, Associate Professor, Electrical and Computer Engineering, University of Illinois Chicago

Paul Braun, Director, Materials Research Laboratory, University of Illinois Urbana-Champaign

Doug Natelson, Professor, Physics and Astronomy, and Associate Dean for Research, Rice University

11:20am PT / 2:20pm ET	Break
11:30am PT / 2:30pm ET	<p>Open Session: Defense and Nanotechnology Infrastructure and Access</p> <p>Franklin Hadley, Director of Outreach and Communications, Institute for Soldier Technologies (a University Affiliated Army Research Center (UARC)), Massachusetts Institute of Technology</p> <p>Luke Baldwin, Chemist, Air Force Research Laboratory</p> <p>Carrie Huguenin, Associate Group Leader, Microelectronics Laboratory, MIT Lincoln Laboratory</p>
12:30 pm PT / 3:30 pm ET	Working Lunch and Committee Only Closed Session
2:15pm PT / 5:15pm ET	<p>Open Session: Federal Perspectives on Nanotechnology Infrastructure and Access – PCAST Seventh Assessment of the National Nanotechnology Initiative</p> <p>Paula Hammond, Institute Professor, Head of the Department of Chemical Engineering, and Member of the Koch Institute of Integrative Cancer Research, Massachusetts Institute of Technology; Member, President’s Council of Advisors on Science and Technology</p>
3:00 pm PT / 6:00 pm ET	Break
3:15 pm PT / 6:15pm ET	<p>Open session: Trends and Emerging Use Cases in Nano – Semiconductors; Impacts of Infrastructure</p> <p>Liesl Folks, Director for Semiconductor Strategy and Professor, University of Arizona</p>
4:00 pm PT / 7:00pm ET	<p>Open Session: Trends and Emerging Use Cases in Nano – Digital twins and AI; Impacts of Infrastructure</p> <p>Wei Chen, Wilson-Cook Professor in Engineering Design, Chair, Department of Mechanical Engineering, Northwestern University</p>

4:45 pm PT / 7:45pm ET

Open Session: Access and Barriers to Nanotechnology Infrastructure – Panel 2

Emmanuel Akala, Professor of Pharmaceutics, Howard University

Stephan Wilhelm, Associate Professor, University of Oklahoma

5:45 pm PT / 8:45 pm ET

Adjourn

Thursday, September 5

9am PT / 12:00pm ET

Committee Only Closed Session

12:30pm – 2pm PT /
3:30pm – 5:00pm ET

Open Session - Virtual Town Hall

See committee webpage for webcast and to participate -
https://www.nationalacademies.org/event/43510_09-2024_virtual-town-hall-quadrennial-review-of-the-national-nanotechnology-initiative-2025

2pm PT / 5pm ET

Committee Only Closed Session