

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Division on Engineering and Physical Sciences
Laboratory Assessment Board

**Meeting of the
National Academies Panel on Assessment of the National Institute of
Standards and Technology (NIST) Center for Neutron Research (NCNR)**

**Gaithersburg, MD
June 21-23, 2023**

**PUBLIC AGENDA
(All Times Eastern)**

Wednesday, June 21, 2023

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: Building 235, Room K04

8:45 – 9:00 a.m.	Welcome , Laurie Locascio, <i>Under Secretary of Commerce for Standards and Technology and NIST Director</i>
9:00 – 10:10 a.m.	Overview of the NIST Center for Neutron Research , Jim Adams, <i>Acting Director, NIST Center for Neutron Research</i>
10:10 – 10:50 a.m.	Overview of the Neutron Condensed Matter Science Group at the NCNR , Ron Jones, <i>Group Leader for Neutron Condensed Matter Science</i>
10:50 – 11:10 a.m.	<i>Break</i>
11:10 a.m. – 11:35 a.m.	The Center for High Resolution Neutron Scattering (CHRNS) , Dan Neumann, <i>Director of the Center for High Resolution Neutron Scattering and Associate Director for Neutron Science and Technology</i>
11:35 a.m. – 12:00 noon	Industrial Engagement at the NCNR , Ron Jones, <i>Director of nSoft and Group Leader for Neutron Condensed Matter Science</i>
12:00 noon – 1:00 p.m.	<i>Working lunch with User Group Executive Committee</i>
1:00 – 1:40 p.m.	NCNR Facility Developments , Brian Kirby, <i>Group Leader for Research Facility Operations</i>
1:40 – 1:55 p.m.	Upgrade of the CHRNS Neutron Spin Echo (NSE) Spectrometer at NIST , Michihiro Nagao, <i>CHRNS NSE Instrument Scientist</i>

1:55 – 2:10 p.m.	Chromatic Analysis Neutron Diffractometer or Reflectometer (CANDOR) , Alex Grutter, <i>CHRNS CANDOR Instrument Scientist</i>
2:10 – 3:30 p.m.	Tour of NCNR , Brian Kirby, <i>Group Leader for Research Facility Operations</i>
3:30 – 3:45 p.m.	<i>Break</i>
3:45 – 4:20 p.m.	Overview of the Structure and Dynamics of Materials Team , Craig Brown, <i>Team Leader for Structure and Dynamics of Materials, and NIST Fellow</i>
4:20 – 4:35 p.m.	Neutron Diffraction: A Unique Method to Study Gas Adsorption in Metal-Organic Frameworks , Hui Wu, <i>Powder Diffraction Instrument Scientist</i>
4:35 – 4:50 p.m.	Novel Methods To Understand Toughness and Impact Resistance in Polymeric Materials , Chris Soles, <i>Group Leader for Functional Polymers, Materials Science and Engineering Division</i>

Thursday, June 22, 2023

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: Building 235, Room K04

8:00 a.m. – 8:25 a.m.	Neutron Physics at the NCNR , Jeff Nico, <i>Group Leader for Neutron Physics, Radiation Physics Division</i>
8:25 – 8:45 a.m.	Computational Science and Neutron Scattering – An Overview , Taner Yildirim, <i>Team Leader for Computational Neutron Scattering and NIST Fellow</i>
8:45 – 9:10 a.m.	User Laboratories and Sample Environments , Yamali Hernandez, <i>Team Leader for User Services</i>
9:10 – 10:00 a.m.	Overview of Reactor Operations and Engineering , Tom Newton, <i>Group Leader for Reactor Operations and Engineering and Deputy Director, NCNR</i>
10:00 a.m. – 12:00 noon	Poster Session (E-Wing and K-Wing hallways), Susana Teixeira, <i>Small Angle Neutron Scattering (SANS) Instrument Scientist</i>

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: Building 235, Room K04

1:00 – 1:30 p.m.	Small Angle Neutron Scattering (SANS) Overview , Paul Butler, <i>Team Leader for Macromolecules and Microstructures</i>
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1:30 – 1:45 p.m.	A New Scattering Approach to Measure Protein-Protein Interactions , Yun Liu, <i>CHRNS Very Small Angle Neutron Scattering (vSANS) Instrument Scientist</i>
1:45 – 2:10 p.m.	Planning for a New Neutron Source at NIST , Dan Neumann, <i>Director of the Center for High Resolution Neutron Scattering and Associate Director for Neutron Science and Technology</i>

Friday, June 23, 2023

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: Building 235, Room K04

12:00 noon – 1:00 p.m.	Full Panel Meets with Laboratory Leadership, Division Chiefs, and Others Invited by NIST to Clarify Impressions and Facts (<i>Working Lunch</i>)
1:00 p.m.	<i>Adjourn</i>
