

**NATIONAL  
ACADEMIES** *Sciences  
Engineering  
Medicine*

**Fundamental Research, Openness, and Protecting the U.S. Technological Advantage:  
NSDD-189 in the New Global Context – A Meeting of Experts**

**National Academy of Sciences Building  
2101 Constitution Avenue NW  
Washington, DC 20418**

**January 25-26, 2023**

**AGENDA\***

**Wednesday, January 25, 2023**

**Room 120\***

9:00 am	<b>Light Refreshments Available</b>
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9:30 am	<b>Welcome and Introduction to Meeting</b>
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Moderator: **Richard A. Meserve**, Carnegie Institution for Science (formerly)

Speaker: **Rebecca Keiser**, Chief of Research Security Strategy and Policy, National Science Foundation

9:45 am	<b>Technology in the National Security Strategy</b>
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Speaker: **Tarun Chhabra**, Senior Director for Technology and National Security, National Security Council

10:00 am	<b>Overview of Protecting U.S. Technological Advantage Consensus Study</b>
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Speaker: **Michael McQuade**, Carnegie Mellon University

11:00 am	<b>Understanding the State of the Foreign Policy Debate in Washington</b>
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Speaker: **Jon Bateman**, Carnegie Endowment for International Peace

11:30 am	<b>Lunch</b>
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1:00 pm	<b>Understanding the Current Threat Environment</b>
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Speaker: **Edward You**, National Counterintelligence and Security Center

1:30 pm	<b>Discussion on Understanding Developments in Strategic Competition</b>
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Moderator: **Richard Meserve**, Carnegie Institution for Science (formerly)

2:00 pm	<b>Question Session 1:</b> What boundaries should exist between fundamental research that should be undertaken in an open environment and research that should only be pursued in a closed environment? Should restrictions be limited to classification?
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Speakers: **Patricia Falcone**, Lawrence Livermore National Laboratory  
**Alexa McCray**, Harvard Medical School  
**Tobin Smith**, Association of American Universities  
**Matt Turpin**, Hoover Institution

3:30 pm	<b>Adjourn</b>
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**Thursday, January 26, 2023**

**Room 120**

9:00 am	<b>Light Refreshments Available</b>
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9:30 am	<b>Welcome</b>
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Moderator: **Richard A. Meserve**, Carnegie Institution for Science (formerly)

*After Dr. Meserve's introduction, the Meeting of Experts will proceed to discussion sessions which will focus on open-ended conversations among participants, with brief introductions (3-5 minutes) from specific invited participants.*

9:35 am	<b>Question Session 2:</b> How do we protect research that is fundamental, that is not technology focused, and/or requires the use of platforms with clear dual-use implications?
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Speakers: **Erwin Gianchandani**, National Science Foundation  
**Thomas Zacharia**, Oak Ridge National Laboratory  
**Bindu Nair**, U.S. Department of Defense

11:00 am	<b>Question Session 3:</b> If the commercial sector is now the center of platform production, as opposed to the past in which military research preceded commercial deployment, how are we to assess when technology becomes of interest to national security?
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Speakers: **Samuel Graham**, University of Maryland  
**Glenn Tiffert**, Hoover Institution  
**Kate Weber**, Google LLC

12:30 pm	<b>Lunch</b>
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1:15 pm	<b>Question Session 4:</b> How might foreign actors react to changes in the U.S. research security policy landscape, given foreign interest in achieving scientific and technological pre-eminence, leadership, or at least parity with the United States?
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Speakers: **Rebecca Arcesati**, Mercator Institute for China Studies  
**Nandini Kannan**, Indo-U.S. Science and Technology Forum (formerly)  
**Ivan Kanapathy**, Center for Strategic and International Studies  
**Laura Silver**, Pew Research  
**Charles Wessner**, Georgetown University

3:00 pm	<b>Adjourn</b>
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\*All Times U.S. Eastern