

The National Academies of SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
BOARD ON PHYSICS AND ASTRONOMY

Committee on the Decadal Assessment of Atomic, Molecular, and Optical Science September 19-20, 2018

**National Academy of Sciences
2101 Constitution Ave. NW, Washington, DC 20418**

REMOTE CONNECTION INFORMATION IS GIVEN AT THE BOTTOM OF THE AGENDA

Wednesday, September 19, 2018		
Washington Hilton, 1919 Connecticut Ave. NW, Washington, DC 20009, Cabinet Room		
9:00 AM	Town Hall at the OSA FiO Conference	Committee and Staff
10:00	Town Hall adjourns; shuttle to NAS building	
National Academy of Sciences, Lecture Room		
CLOSED SESSION		
10:45	Committee discussion	Committee and Staff
OPEN SESSION		
12:30 PM	Working lunch	Committee and Staff
12:30	Perspectives on the field of ultracold atoms and quantum simulations	Markus Greiner*
1:00	International/European trends in research funding for QIS	Peter Zoller*
1:15	Perspectives on the federal R&D budget environment	Matt Hourihan*
1:45	Perspectives on the field of quantum information science	Chris Monroe*
2:30	Break	
2:45	Perspectives on the field of ultrafast science and technology and lessons from the previous decadal	Phil Bucksbaum*
3:30	Panel discussion with hill representatives	Emily Domenech and Adam Rosenberg*
4:15	Break	
4:30	Perspectives on the field of nano-mechanical-photonic systems	Oskar Painter*
5:15	Perspectives on the field of precision measurement and fundamental symmetry	Dave DeMille*
6:00	Break and depart for dinner	
6:45	Committee dinner [TBD]	Committee, Staff, and Invited Guests

<http://nas.edu/amo>

8:30 *Adjourn for day*

*** Confirmed**

Thursday, September 20, 2018

National Academy of Sciences, Lecture Room

CLOSED SESSION

7:30 AM	Committee discussion	Committee and Staff
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OPEN SESSION

10:15	Perspectives on the field of astrophysics based on AMO techniques	Daniel Savin*
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11:00	Perspectives on the field of nano- and integrated photonics	Jelena Vuckovic*
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11:45 *Break for lunch*

CLOSED SESSION

11:45 pm	Committee discussion	Committee and Staff
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3:00 *Meeting adjourns*

*** Confirmed**

GENERAL NOTES

Teleconference Information

CLOSED

OPEN