

EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF SCIENCE AND TECHNOLOGY POLICY  
WASHINGTON, D.C. 20502

**Event:** The White House Summit on Advancing American Leadership in Quantum Information Science

**Event Date:** Monday, September 24, 2018

**About:** A century ago, the quantum revolution quietly began to change our lives. A new understanding of the behavior of matter and light at atomic and subatomic scales sparked a new field of science that would vastly change the world's technology landscape. Today, we rely upon the science of quantum mechanics for applications ranging from the global positioning system to magnetic resonance imaging to the transistor. The advent of quantum computers presages yet another new chapter in this story that will enable us to predict and improve chemical reactions, new materials and their properties, as well as provide new understandings of spacetime and the emergence of our universe. Remarkably, this progress may be realized within a decade.

From initial steps in the 1980s to today, science and defense agencies in the U.S. and around the world have supported basic research in quantum information science (QIS) to develop advanced sensing, communication, and computation systems. This event will convene top QIS experts from academia, industry, and government to discuss how the U.S. can maintain leadership role in QIS and build the necessary people, science, and technology to realize the potential impact of this field for our Nation. Primary discussion topics will include:

- Science of QIS: The 10-Year Horizon
- Developing a Quantum-Smart Workforce
- Building Out Key QIS Infrastructure & Support
- Expanding Opportunities With the Global QIS Community

In addition to the startups that are developing these technologies and their novel applications, we will be bringing in industry leaders to talk about how their businesses are adopting and adapting to new QIS technologies. While every major industry could have its own summit on this topic, this event will focus on four sectors:

- Supply Chain Providers
- Quantum Computing Companies and Startups
- Venture and Investment Firms
- End Users
  - Big Data and Machine Learning
  - Operations Research
  - Chemistry and Materials Science
  - Financial and Tech

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*The White House Summit on Advancing American Leadership in QIS*  
Eisenhower Executive Office Building  
Monday, September 24, 2018 | 12:00PM – 5:15 PM

**Arrival**

**12:00PM – 1:00PM**

**Opening Remarks**

**1:00PM – 1:45PM**

*Speaker:* Michael Kratsios (OSTP)

*Speakers:* NSF, DOE, NIST, DOD

**Breakout Sessions I**

**1:55PM – 2:55PM**

- **Science of QIS: The 10-Year Horizon**  
*Facilitators:* France Córdova, NSF
- **Advancing QIS Public-Private Coordination**  
*Facilitators:* Jake Taylor, OSTP
- **Developing a Quantum-Smart Workforce**  
*Facilitators:* Laurie Locascio, UMD
- **Balancing Growth & Security in the Competitive QIS Landscape**  
*Facilitators:* Mike Griffin, DOD

**Break**

**3:05PM – 3:40PM**

**Breakout Sessions II**

**3:50PM – 4:50PM**

- **Expanding Opportunities With the Global QIS Community**  
*Facilitators:* Johnathan Margolis, State
- **Removing Barriers to QIS Innovation**  
*Facilitators:* Walt Copan, NIST
- **Inspiring the Next Quantum Generation**  
*Facilitators:* Jeff Weld, OSTP
- **Building Out Key QIS Infrastructure & Support**  
*Facilitators:* Paul Dabbar, DOE

**Closing Remarks**

**5:00PM – 5:15PM**

*Speaker:* U.S. Rep. Lamar Smith (R-TX),  
Chairman, House Science, Space, and  
Technology Committee