

Improving U.S. Competitiveness in the Global High Performance Computing and AI Markets: Recent Changes, Growing Concerns, and Potential Impacts from The CHIPS and Science Act

The Ronald Reagan Building
1300 Pennsylvania Ave., NW, Washington, D.C.

Tuesday, December 13, 2022

- 8:00--9:00 Registration/Breakfast
- Session 1: The US Standing in HPC Compared to China and Other Countries**
- 9:00--9:15 *Why HPC is Important to Science and Industry and Examples of How HPC Supports Society*, Earl Joseph, Hyperion Research
- 9:15--9:50 *An Overview of the HPC, AI and Quantum Computing Markets: Recent Events and Trends. Comparing HPC Investments and Progress Around the World*, Earl Joseph, Bob Sorensen and Alex Norton, Hyperion Research
- 9:50--10:15 *A Global Perspective on HPC Focusing on China*, David Kahaner (ATIP)
- 10:15--10:45 Part 1: *U.S. Vendors Discuss the Impact of the CHIPS and Science Act on Their Businesses: Good News, Bad News and What Else is Needed. HPE, AMD and IBM*
- 10:45--11:00 **Break**
- 11:00--11:30 *The role of the Department of Commerce/NIST in Implementing the CHIPS and Science Act*, Robinson Pino (NIST- CHIPS Program Office)
- 11:30-12:00 *How NSF is Implementing the CHIPS Act & Why HPC Leading-edge HPC Tools are Important to Support & Advance Science*, Erwin Gianchandani/Manish Parashar (NSF)
- 12:00--12:30 *Ideas for Advancing Science via New Approaches to HPC*, Rick Stevens (DOE)
- 12:30--1:15 Lunch
- Session 2: Concerns About the Future of US Competitiveness and How the CHIPS and Science Act Can Help**
- 1:15--1:45 *Compelling Science Examples from NASA*, Piyush Mehrotra (NASA)
- 1:45--2:15 *An Overview of the CHIPS and Science Act*, Eric Breckenfeld (SIA)
- 2:15--3:15 Part 2: *U.S. Vendors Discuss the Impact of the CHIPS and Science Act on Their Businesses: The Good News, Bad News and What Else is Needed. Intel, Qualcomm, Microsoft, Goodyear, Catalog DNA, ...*
- 3:15--3:30 **Break**
- 3:30--4:00 *Sustaining U.S High-Performance Computing Leadership in an Exascale Era*, Stephen Ezell (ITIF)
- 4:00--4:25 *Group Discussion: What Should We Track & How to Better Measure U.S. Competitiveness in the Global HPC and High-tech Sectors*
- 4:25--4:30 Next Steps and Action Items

There is no fee to attend, but attendance is limited, and you must pre-register.

[Click here](https://hyperionresearch.com/dc-event/) to register: <https://hyperionresearch.com/dc-event/>