

2024 NSTC SYMPOSIUM

Monday, October 28, 2024



7:00-8:30 AM

EVENT CHECK-IN

8:30-8:40 AM

WELCOMING REMARKS

Regency Ballroom

8:40-9:05 AM

KEYNOTE PRESENTATION

Regency Ballroom

Recorded Remarks: **The Honorable U.S. Secretary of Commerce Gina Raimondo**

Remarks: **Dr. Laurie Locascio**, Under Secretary of Commerce for Standards and Technology and Director of the National Institute of Standards and Technology (NIST)

9:05-9:30 AM

NSTC OVERVIEW

Regency Ballroom

Deirdre Hanford, CEO, Natcast

9:30-10:00 AM

UNITING GOVERNMENT EFFORTS TO ENSURE SEMICONDUCTOR LEADERSHIP

Regency Ballroom

Deirdre Hanford (Moderator), CEO, Natcast

Dr. David A. Honey, Deputy Under Secretary of Defense for Research and Engineering

Dr. Jay Lewis, Director, CHIPS, NSTC Program, Department of Commerce

Helena Fu, Director, Department of Energy, Office of Critical and Emerging Technologies

Dr. Susan Margulies, Assistant Director, NSF, Directorate for Engineering

10:00-10:20 AM

BREAK

10:20-10:45 AM

KEYNOTE: COLLABORATIVE INNOVATION: SEMICONDUCTORS' ROLE IN SOLVING GLOBAL CHALLENGES

Regency Ballroom

Mark Papermaster, CTO and Executive Vice President, AMD

10:45-11:00 AM

NSTC RESEARCH AND DEVELOPMENT OVERVIEW

Regency Ballroom

Dr. Robert Chau, Sr. Vice President of Research, Natcast

11:00-11:40 AM

R&D TOPIC 1: THE SEMICONDUCTOR R&D LANDSCAPE: NEEDS AND OPPORTUNITIES

Regency Ballroom

Bill Chappell (Moderator), Vice President and CTO, Strategic Missions and Technologies Division, Microsoft

Vikas Chandra, Senior Director, Meta Reality Labs

Gordon Keeler, CEO and co-founder, Beacon Photonics

Sayeef Salahuddin, TSMC Distinguished professor of Electrical Engineering and Computer Sciences, University of California Berkeley

Mark Webb, Principal Analyst and Advisor, MKW Ventures Consulting, LLC

11:40-12:05 AM	KEYNOTE: BRIDGING FUNDAMENTAL RESEARCH TO INDUSTRIAL INNOVATION: AMERICA'S UNIQUE ADVANTAGE	<i>Regency Ballroom</i>
	Dr. Naveen Verma , Professor, Director of Keller Center for Innovation in Engineering Education, Princeton University, and CEO and Co-founder, EnCharge AI	
12:05-1:15 PM	LUNCH	<i>Regency Ballroom</i>
1:15-1:55 PM	R&D TOPIC 2: SHAPING THE FUTURE OF HEALTH SCIENCES THROUGH INNOVATIONS IN SEMICONDUCTOR AND EDGE AI	<i>Regency Ballroom</i>
	Dr. Ahmad Bahai (Moderator) , CTO, Texas Instruments <i>Max Shulaker, Senior Director Biomedical Engineering, Analog Devices</i> <i>Dr. Dina Katabi, Professor, MIT and Co-founder, Emerald Innovations</i> <i>Gregory Kovacs, Biomedical Innovator and Professor, Stanford University</i> <i>Paul Gerrish, VP of Technology, Advanced Product Development, Medtronic</i>	
1:55-2:25 PM	R&D TOPIC 3: SEMICONDUCTORS FUELING THE DISRUPTION IN THE AUTOMOTIVE INDUSTRY	<i>Regency Ballroom</i>
	Vidya Rajagopalan , Senior VP Electrical Hardware, Rivian	
2:25-2:55 PM	OVERVIEW OF THE NSTC WORKFORCE CENTER OF EXCELLENCE	<i>Regency Ballroom</i>
	John Ratliff , Executive Director, Workforce Center of Excellence Deirdre Hanford , CEO, Natcast	
2:55-3:15 PM	BREAK	<i>Regency Ballroom</i>
3:15-4:00 PM	STATE OF THE U.S. SEMICONDUCTOR WORKFORCE	<i>Regency Ballroom</i>
	Richard-Duane Chambers (Moderator) , Director, Policy and Integration, NIST CHIPS R&D Office <i>Pearl Esau, Founder, Shan Strategies</i> <i>Rachel Lipson, Senior Policy Advisor, CHIPS for America</i> <i>Behzad Razavi, Professor, Electrical and Computer Engineering, UCLA</i> <i>Jared Zerbe, Director of Engineering, Apple</i>	
4:00-5:20 PM	STARTUPS TAKE THE STAGE: PITCH COMPETITION	<i>Regency Ballroom</i>
5:20-5:25 PM	CLOSING REMARKS	<i>Regency Ballroom</i>
5:30-7:30 PM	MICROELECTRONICS COMMONS WELCOME RECEPTION	<i>Regency Ballroom</i>

Must have purchased an all-inclusive or separate ticket to attend.