

## 2024 National Semiconductor Technology Center (NSTC) Symposium October 28, 2024 | Omni Shoreham Hotel, Washington, D.C.

### Welcoming Remarks

Remarks from The Honorable U.S. Secretary of Commerce Gina Raimondo

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

### NSTC Overview

Deirdre Hanford, CEO, Natcast

### Uniting Government Efforts to Ensure Semiconductor Leadership

**Moderator:** Deirdre Hanford, CEO, Natcast

#### Speakers:

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

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

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

Susan Margulies, Assistant Director, NSF, Directorate for Engineering

### Break

### Keynote: Collaborative Innovation: Semiconductors' Role in Solving Global Challenges

Mark Papermaster, CTO, AMD

### NSTC Research and Development Overview

Robert Chau, Senior VP of Research, Natcast

### R&D Topic 1: The Semiconductor R&D Landscape: Needs and Opportunities

### Keynote: Bridging Fundamental Research to Industrial Innovation:

#### America's Unique Advantage

Naveen Verma, Professor, Director of Keller Center for Innovation in Engineering Education, Princeton University, and CEO and Co-founder, EnCharge AI

### Lunch

### R&D Topic 2: Shaping the Future of Health Sciences through Innovations in Semiconductor and Edge AI

**Moderator:** Ahmad Bahai, CTO, Texas Instruments

#### Speakers:

Paul Gerrish, VP of Technology, Advanced Product Development, Medtronic

Dina Katabi, Professor, MIT and Co-founder Emerald Innovations

Gregory Kovacs, Biomedical Innovator and Professor, Stanford University

Max Shulaker, Senior Director Biomedical Engineering, Analog Devices

**R&D Topic 3: Semiconductors Fueling the Disruption in the Automotive Industry**

Vidya Rajagopalan, Senior VP, Electrical Hardware, Rivian

**Overview of the NSTC Workforce Center of Excellence**

John Ratliff, Executive Director, Natcast Workforce Center of Excellence

Deirdre Hanford, CEO, Natcast

**Break**

**State of the U.S. Semiconductor Workforce**

**Moderator:** Richard-Duane Chambers, Director, Policy and Integration, NIST CHIPS R&D Office

**Speakers:**

Pearl Esau, Founder, Shan Strategies

Rachel Lipson, Senior Policy Advisor, CHIPS for America

Behzad Razavi, Professor, Electrical and Computer Engineering, UCLA

Jared Zerbe, Director of Engineering, Apple

**Startup Pitch Competition**

**Closing Remarks**

**Networking Reception on the Outdoor Patio**

*The NSTC, established by the CHIPS and Science Act of the U.S. government,  
is operated by Natcast, a purpose-built, non-profit entity.*

