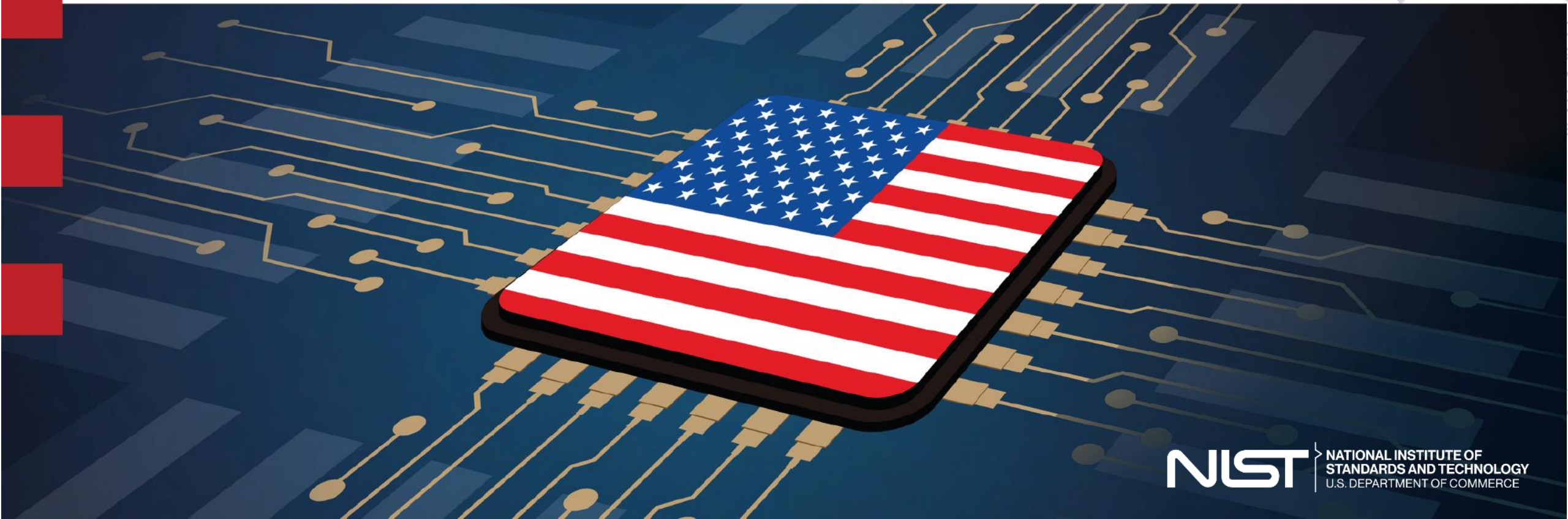
CHIPS for America Overview

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CHIPS for America Vision



Economic Security

This act enables us to build more resilient supply chains for important components.



National Security

This act enables us to bring the most sophisticated technologies back to the U.S.



Future Innovation

Chips are key to the technologies and industries of the future, so we need to be at the forefront. This act will ensure long-term U.S. leadership in the sector.

CHIPS for America

$39 billion for incentives	$11 billion for R&D
Two component programs: 1. Attract large-scale investments in advanced technologies such as leading-edge logic and memory 2. Incentivize expansion of manufacturing capacity for mature and other types of semiconductors	Four integrated programs to: 1. Conduct research and prototyping of advanced semiconductor technology 2. Strengthen semiconductor advanced test, assembly, and packaging 3. Enable advances in measurement science, standards, material characterization, instrumentation, testing, and manufacturing

Plus CHIPS initiatives from other agencies, including DOD, State, NSF, and Treasury

Workforce development

Funding Opportunities

February 28, 2023

For **commercial leading-edge, current,** and **mature node fabrication facilities**

June 23, 2023

For **large semiconductor materials** and **equipment facility projects $300M+**

For **smaller semiconductor materials** and **equipment facility projects under $300M**

To support the construction of **semiconductor R&D facilities**

Statements of Interest currently being accepted for all funding opportunities

Program Priorities



Economic and national security objectives



Commercial viability



Financial strength



Technical feasibility and readiness



Workforce development



Broader impacts

Vision for Success

Leading-Edge Logic

- ✓ The U.S. will have at least **two new large-scale clusters of leading-edge logic fabs**
- ✓ **U.S.-based engineers** will develop the process technologies underlying the **next gen of logic chips**

Memory

- ✓ U.S.-based fabs will **produce high-volume memory chips on economically competitive terms**
- ✓ **R&D for next-generation memory** technologies critical to supercomputing and other advanced computing applications will be **conducted in the U.S.**

By the end of the decade…

Advanced Packaging

- ✓ The U.S. will be home to **multiple high-volume advanced packaging facilities**
- ✓ The U.S. will be a **global leader in commercial-scale advanced packaging technology**

Current-Generation and Mature

- ✓ The U.S. will have **strategically increased its production capacity** for current-gen and mature chips
- ✓ Chipmakers will also be able to **respond more nimbly** to supply and demand shocks

Vision for Success – Materials and Equipment Facilities

Strengthen Supply Chain Resilience

- ✓ The **U.S. and its allies** will **reduce chokepoint risks** flowing from **geographic concentration**
- ✓ Supply chain participants will improve the **transparency of demand and supply** to **reduce the risks of production disruptions**

Advance U.S. Technology Leadership

- ✓ The U.S. will have **incentivized major U.S. equipment and materials suppliers** to **increase their footprints** in the U.S.
- ✓ **Non-U.S. suppliers** of the world's most advanced equipment, materials, and subsystems will also **establish large-scale footprints** in the U.S.

By the end of the decade…

Support Vibrant U.S. Fab Clusters

- ✓ Each **CHIPS-funded fab cluster** in the U.S. will be **supported by dozens of suppliers,** including many **investing in the U.S. for the first time**
- ✓ **State and local entities** encouraged to help **facilitate the expansion of these ecosystems**

Building a self-sustaining ecosystem

CHIPS investments will support regional economic clusters that drive broad-based growth

Applicants encouraged to:

- Create spillover benefits that improve regional economic resilience
- Reduce barriers to economic participation
- Support semiconductor ecosystem beyond a single company
- Leverage state & local investments in workforce and education

The Department expects applicants to work closely with stakeholders in local communities to develop a set of investments that is responsive to local needs, and, to commit to working to support long-term, cross-cutting initiatives.



Thank you