



THE FUTURE OF SEMICONDUCTORS STARTS IN OREGON.

FAST is a bold initiative led by Oregon State University to restore national leadership and catalyze a resurgence in semiconductor innovation and manufacturing in Oregon.

WHAT IS FAST?



PART OF THE NATIONAL SCIENCE FOUNDATION (NSF) REGIONAL INNOVATION ENGINES PROGRAM

FAST unites 95 partners—spanning industry, higher education, government, and nonprofits—to create a cohesive, high-impact semiconductor ecosystem across the state.



ECONOMIC AND TECHNOLOGICAL GROWTH

The initiative will build on use-inspired research to expand Oregon's semiconductor industry, accelerate innovation, and generate high-wage, future-ready jobs.

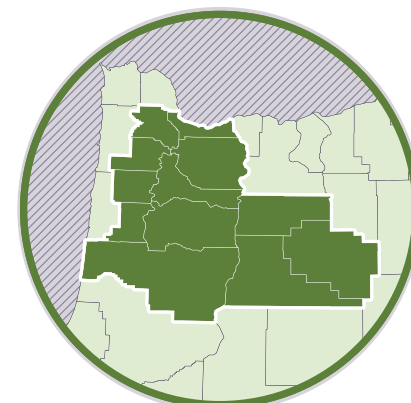


STRATEGIC FUNDING OPPORTUNITY

FAST aims to secure up to \$160 million in federal investment over 10 years, building on Oregon's CHIPS Act commitment to amplify competitiveness.

WHY OREGON?

NEARLY 30,000
OREGONIANS WORK IN
SEMICONDUCTORS TODAY.



OREGON'S \$21B
CHIP SECTOR

**IS AMONG THE MOST
ADVANCED IN THE U.S.**
and the only advanced logic chips design
to fabrication capability on U.S. soil.

12 COUNTIES

**MAKE UP THE CASCADES WILLAMETTE
INNOVATION CORRIDOR**—including
underserved rural areas with high
growth potential.

Keeping manufacturing and semiconductor
innovation domestic ensures U.S. security, control
over technology, and economic resilience.

FAST'S STRATEGIC GOALS

1 TECHNOLOGY INNOVATION
Advancing AI-enabled chip design,
smart manufacturing, predictive
maintenance, and advanced packaging.

2 ECONOMIC GROWTH
Creating thousands of new high-tech
jobs—average salaries are ~\$180K,
nearly \$100K above Oregon's average.

3 WORKFORCE DEVELOPMENT
Expanding training and education via
partnerships between universities,
community colleges, and employers.

4 REGIONAL COORDINATION
Aligning public and private stakeholders
to build a semiconductor ecosystem that
spans the full value chain.



The future of
semiconductors is being
rewritten by AI. Chips
are no longer just
manufactured—they're
trained. AI is the
biggest transformation
the semiconductor
industry has ever seen."

—JENSEN HUANG,
CEO, NVIDIA
OREGON STATE UNIVERSITY
ALUMNUS

WHO'S INVOLVED?

CORE PARTNERS



LEAD INSTITUTION



ADDITIONAL KEY PARTNERS

26 Industry and Innovation Partners

18 Community-Based and Tribal Serving Partners

10 Higher Education Partners

15 Venture and Economic Development Partners

9 Government Partners

AND MANY MORE

For the full list of partners, visit:
fast-engine.org/fast-partners



“We have vacant industrial land, a workforce ripe for upskilling, and a community with a spirit of learning and innovation that is hungry for the next chapter after recent declines in our timber industry base—we just need the Engine to get us there.



—CHRIS MCMORRAN,
MAYOR, PHILOMATH

WHY FAST MATTERS

INVEST
in U.S. semiconductor leadership to strengthen national security

GENERATE
high-wage, future-ready jobs across Oregon

CULTIVATE
a workforce that has industry-driven skills and is available to all Oregonians

STRENGTHEN
Oregon's long-term capacity for innovation

LEAD
the way for AI transformation in the semiconductor industry

“
Manufacturing advanced semiconductors is impossible without a mature ecosystem - yield is too important and the cost of failure too high.”

—STEPHEN MEYERS,
CEO, INPRIA

WHAT'S NEXT?

JULY 2025

FAST selected as one of 29 semifinalists (out of 71) in National Science Foundation's Regional Innovation Engines competition

FALL 2025

Anticipated OSU site visit and pitch to NSF

EARLY 2026

Final selection for up to \$160M in federal funding

GET INVOLVED



LEARN MORE
at fast-engine.org

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