



Semiconductor
Research
Corporation

Microelectronics Manufacturing USA Institute Information Webinar

April 13, 2023



Dr. Todd Younkin

SRC, President and CEO

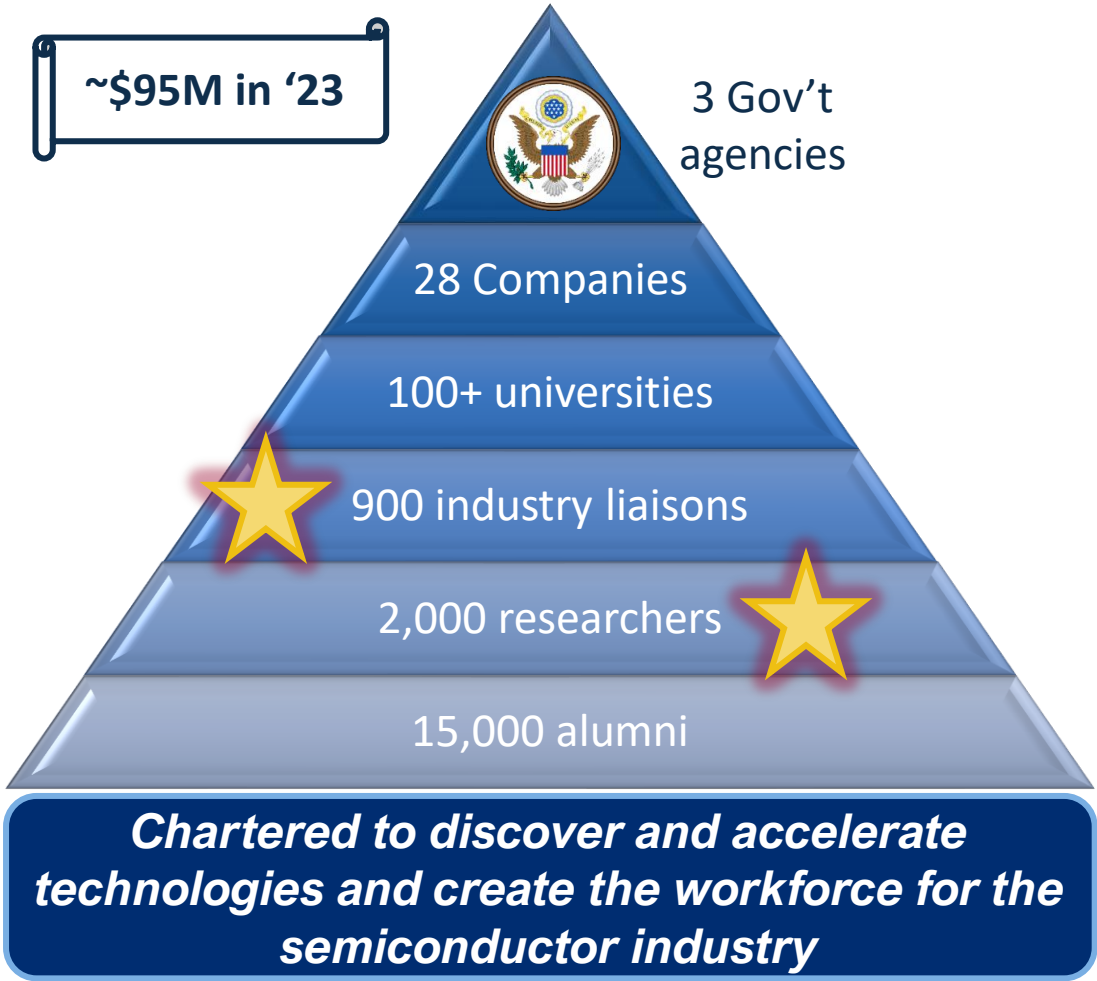
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We have been here before!

Who SRC Is, Today?

~\$95M in '23



SRC's Plan for the Decade

The What



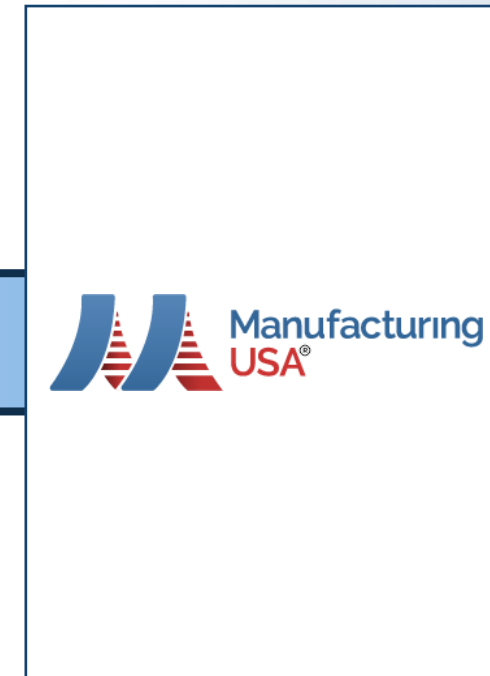
January 2021
2030 Decadal Plan for
Semiconductors

The How



March 2023
Microelectronics &
Advanced Packaging
Technologies (MAPT)
Roadmap - Interim

Implementation



Q3 2024+
Operation of
Microelectronics
Manufacturing USA
Institute

CHIPS & Science Act of 2022 = Signed!



August 9, 2022

\$11B, 9906 investments for R&D

- National Semiconductor Technology Center (NSTC)
- National Advanced Packaging Manufacturing Program (NAPMP)
- **Microelectronic Manufacturing USA Institute(s) (MMUSAI, MMI)**
- **Workforce Development**

SRC is a partner with both ASIC & MITRE's Semiconductor Alliance

SRC's focus as a performer for CHIPS ACT

An Unprecedented Commitment to Semiconductor Innovation

SRC's Call to Action

- The ICT opportunities of tomorrow are simply unachievable based on current semiconductor technologies and 2D-scaling as we are up against fundamental physical limits.
- A crisis is at hand, where the semiconductor paradigm must shift to create the desired value with 3D microelectronic and advanced packaging technologies (MAPT) as the key driver.
- We must seek and create energy efficient systems via eco-considerate manufacturing.
- SRC is committed to workforce development and broadening participation. There is a bright future in semiconductors, but we must change our narratives to win over the hearts and minds of next gen innovators.

SRC will pursue a MAPT Microelectronics Manuf. USA Institute.

It will keep us at the edge of innovation, investing in early-stage ideas and tech maturation, exploring big bets through a fast-fail and tech-transfer mindset.



Thank
You!