



The SRC ...

*Guiding semiconductor research
through collaborative engagement*

Elizabeth J. Weitzman
Exec. VP, SRC

Exec. Director, Focus Center Research Program
Semiconductor Research Corporation

... Awarded Nat'l Medal of Technology



Presidential Citation:

“For building the world’s largest and most successful university research force to support the ... semiconductor industry;

For proving the concept of collaborative research as the first high-tech research consortium; and

For creating the concept and methodology that evolved into the International Technology Roadmap for Semiconductors.”



Key Attributes of SRC Research Entities

1. ***Accepted IP model.*** SRC's model has been universally accepted by academia, industry, and government, facilitating research contract management.
2. ***Leveraged collaboration.*** SRC has demonstrated ability and experience to form collaborative partnerships between industry and government to maximize research impact to both.
3. ***Roadmapping.*** In consultation with stakeholders, SRC is a leader in assessing technology barriers and developing research strategies for addressing them.
4. ***Flexibility and responsiveness.*** SRC's management processes offer agility and speed in the deployment of resources, allowing for targeted and timely research investments.

Evolving SRC Consortium Model ...

Major Consortia Managed by the SRC

SRC Consortium	Global Research Collaboration (GRC)	Focus Center Research Program (FCRP)	Nanoelectronics Research Initiative (NRI)
Research Area	Semiconductors (CMOS)	Semiconductors (CMOS & beyond)	Semiconductors (beyond CMOS)
R&D Horizon	Near-term (3-6 years)	Mid-term (7-10 years)	Long-term (10+ years)
Universities	120	41	30+
Faculty	470	220	100+
Students	1000+	550+	100+
Research Budgets	>\$50M	~\$40M	>\$20M
Industry Membership	Global—13 companies worldwide	US—11 companies	US—5 companies
Federal Govt partners	NSF	DARPA	NIST, NSF
State partners	AZ, GA, TX, NY	N/A	CA, IN, NY, TX

... aligned with needs of stakeholders