



DAVID P. ARNOLD, PH.D.

George Kirkland Engineering Leadership Professor
Director, UF | Florida Semiconductor Institute

The **UF | Florida Semiconductor Institute (FSI)** at the University of Florida's Department of Electrical and Computer Engineering functions as the statewide hub for research, development, and workforce initiatives in semiconductor technologies, aiming to make Florida a global leader in specialty electronics.

Through coordinated efforts across academia, industry, and government, FSI works to bridge the gap between talent and industry, advancing

knowledge, and providing practical solutions that shape the future of semiconductor technology to catalyze **10,000** high-wage jobs across the state.

FSI's coordinated set of workforce initiatives are aligned with education, training and industry needs to position the state for continued growth as domestic chip manufacturing expands. FSI's research efforts make these expansions possible by leading ground-breaking work.

RESEARCH AREAS

- 5G/6G RF Modules
- Assured Physical Microsystems
- Digital Twin Technologies
- Electrophysics
- Materials Design & Discovery
- Photonics Integrated Circuits
- Quantum Science & Engineering
- Space Electronics
- Ultra-wide Bandgap Materials & Devices

SIGNATURE PROGRAMS

- DARPA
- Etch
- National Network for Microelectronics Education
- NSF Engines
- Microelectronic Commons
- SRC JUMP 2.0

\$1.2M ASSET RESEARCH AGREEMENT WITH L3HARRIS

FACTS & FIGURES

\$164M

IN STATE + FEDERAL FUNDING (STATEWIDE)

SUPPORTING OVER

18,000 **430**

ESTABLISHMENTS JOBS

FLORIDA RANKED

#1

WORKFORCE EDUCATION IN THE NATION

REACHING OVER

13,000 **2,500**

DIGITAL FOLLOWERS/SUBSCRIBERS TOTAL EVENT ATTENDEES

104 ENGAGED ORGANIZATIONS

68 FACULTY COLLABORATORS

34 FUNDED INTERNSHIPS

7 EXTRA-CURRICULAR STUDENT CLUBS

IN FISCAL YEAR 2025

450 PUBLISHED PEER-REVIEWED ARTICLES

59 PATENTS FILED IN 2026

5 TECHNOLOGY LICENSES

3 NEW STARTUP COMPANIES



FLORIDA'S SEMICONDUCTOR/ELECTRONICS WORKFORCE IS ANTICIPATED TO GROW **25% BY 2030**