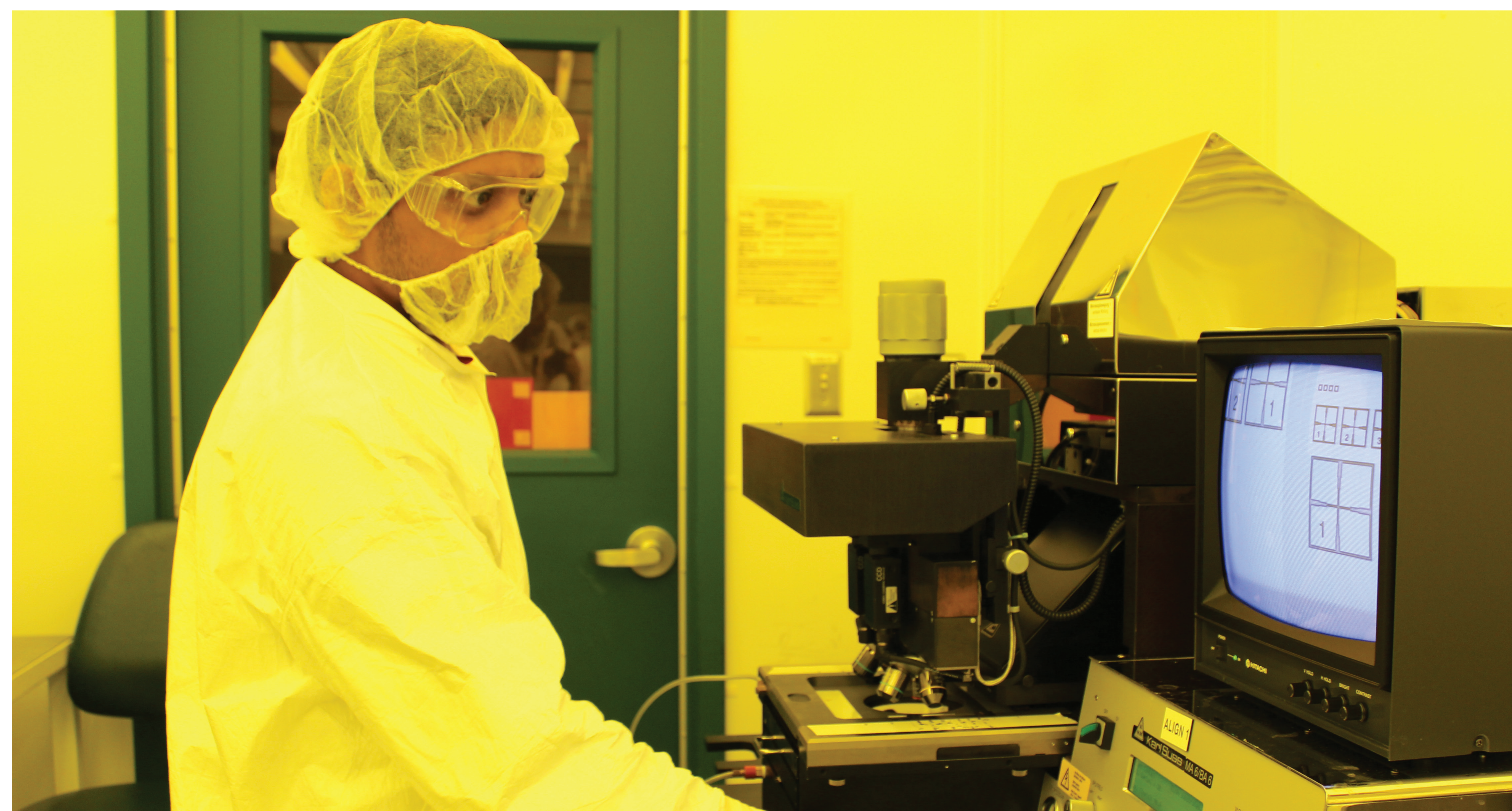


MEP-NANOFAB

Cleanroom Facilities

@the Manufacturing Training and Technology Center



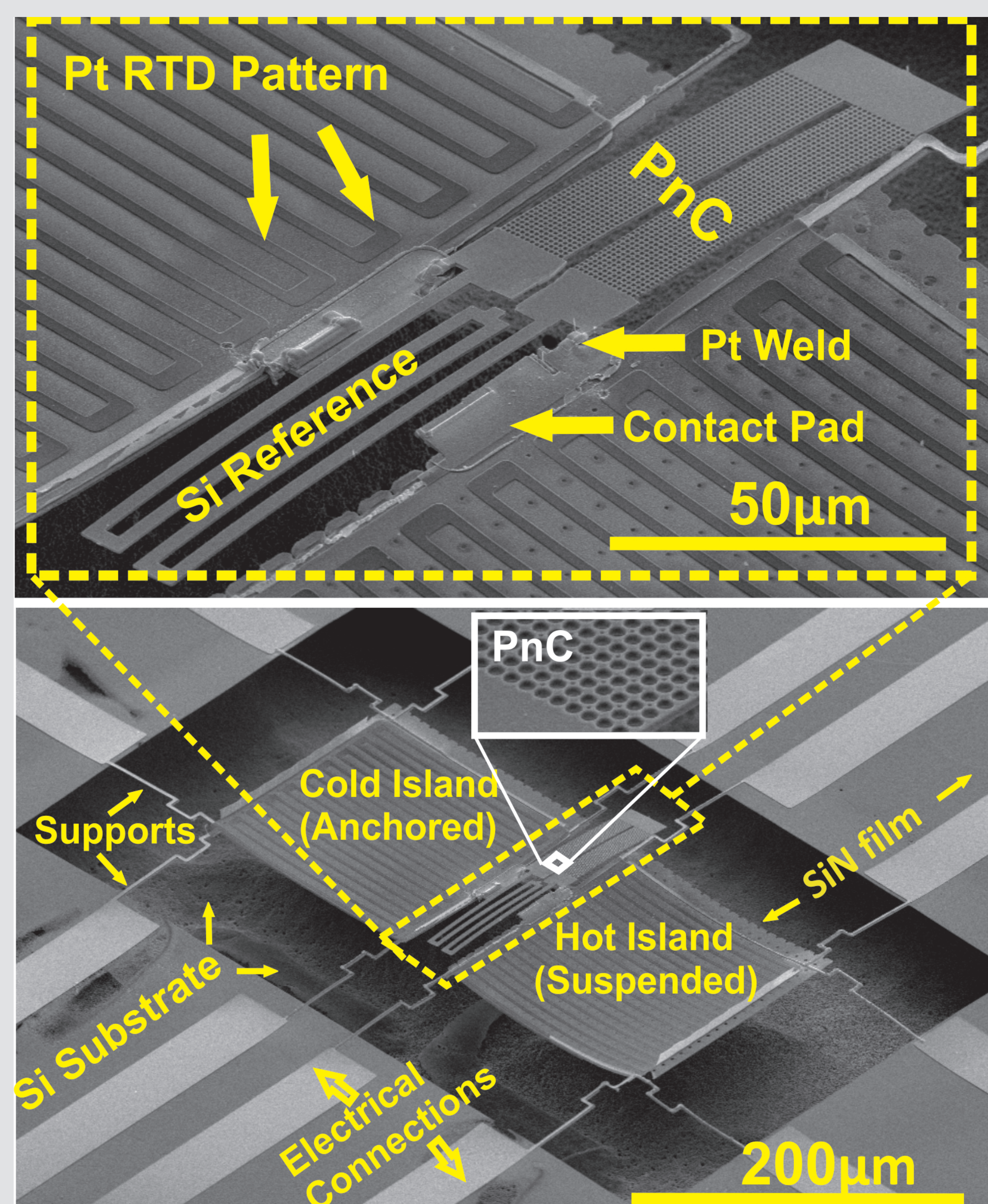
THE CONVERGENCE OF RESEARCH AND BUSINESS INNOVATION

The Manufacturing Engineering Program NanoFab at the University of New Mexico has supported a wide variety of research projects, business initiatives, and academic courses since its opening in 1998. Users include university researchers from all over the world, local business startups, and national laboratories with support from various federal and state funding agencies. Academic courses are taught in the cleanroom by faculty from UNM, Central New Mexico Community College, New Mexico Institute of Mining and Technology, and the Southwest Center for Microsystems Education (a National Science Foundation Advanced Technological Education Center).

We have research contracts with:



WHAT WE OFFER



Alaie, S. et al. Nature Communications.
6:7228 doi: 10.1038/ncomms8228 (2015).

6,200-square-foot cleanroom
Unique processing equipment for NEMS/MEMS
Self-use/assisted-use/for-hire processing
Conference rooms/office spaces/laboratory space

WHAT MAKES US UNIQUE?

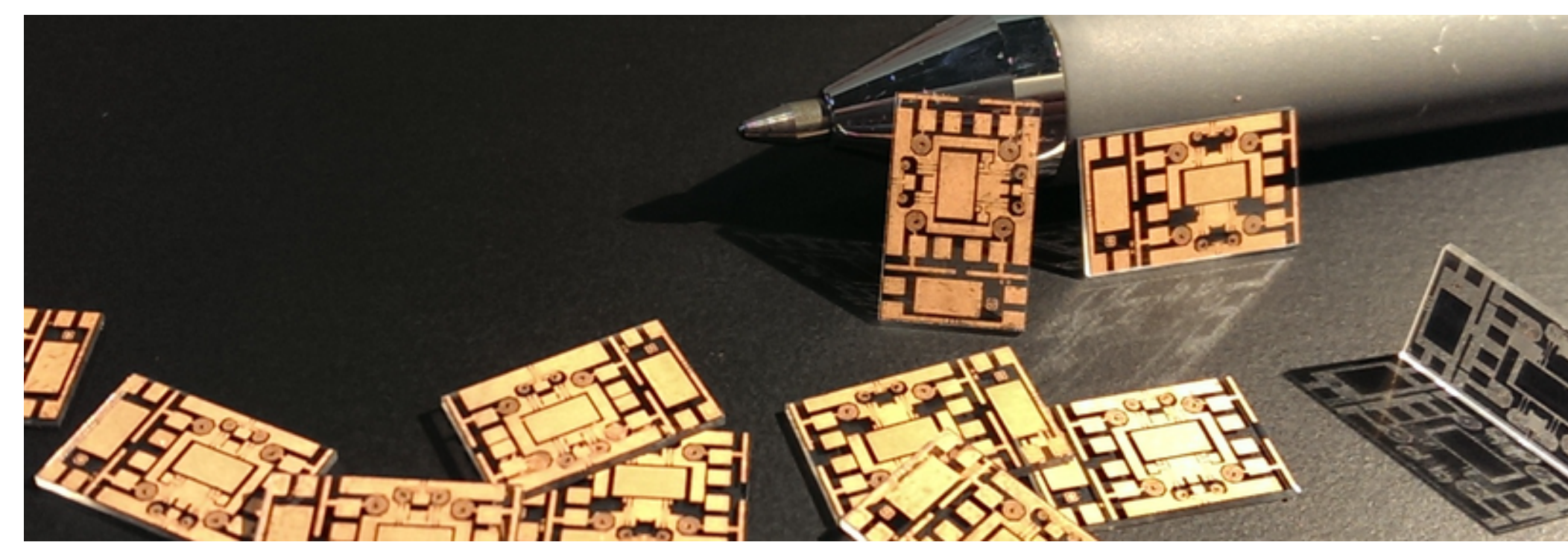
4" and 6" wafer equipment • Dual-side wafer patterning
Sacrificial micromachining • Vapor phase etching
Bio-MEMS equipment • CMOS processing
Low- to high-volume production
Critical point release of nano/microstructures

CAPABILITIES

Photolithography • Wet/dry etching
Metal/dielectric deposition • Metrology
Characterization

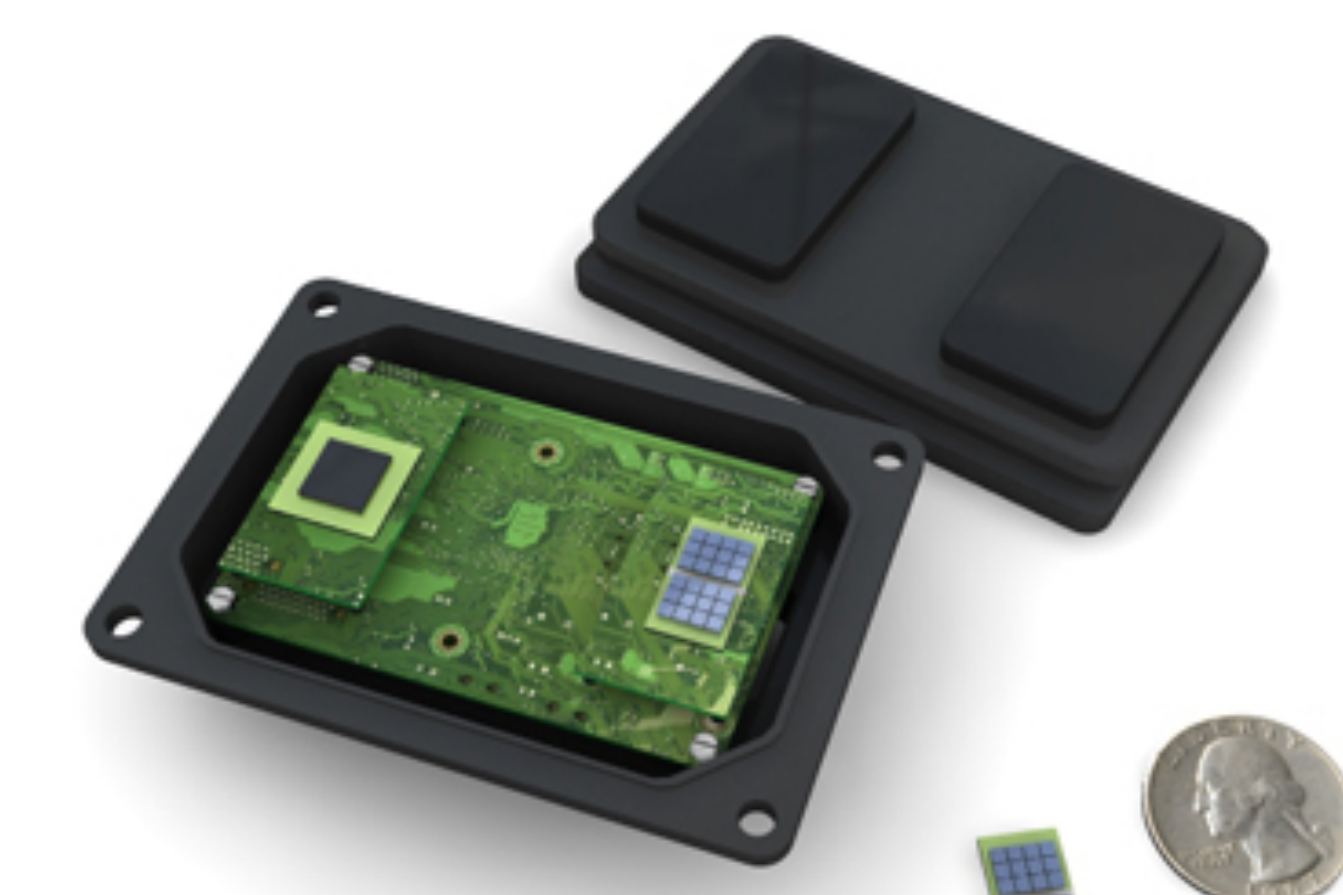
ECONOMIC DEVELOPMENT

The \$17 million MEP-NanoFab provides significant workforce development, technology development, and economic development locally and internationally through:



Provided by 3DGlass

Technical training/workshops/certification
High-tech, energy, semiconductor,
and bio-applications
Prototyping and production runs for small companies
Technology incubation: \$330 million in venture capital funding



Provided by Trilumina



CONTACT US

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Bleed space