

NCI Southwest

“At its core, the National Nanotechnology Coordinated Infrastructure (NNCI) exists to help scientists and engineers from around the country access the state-of-the-art resources necessary to participate in the nanotechnology revolution. As the southwest regional node of the NNCI, the goals of the NCI-SW are to build a regional infrastructure for nanotechnology discovery and innovation, to address societal needs through education and entrepreneurship, and to serve as a model site of the NNCI.”

Dr. Trevor Thornton

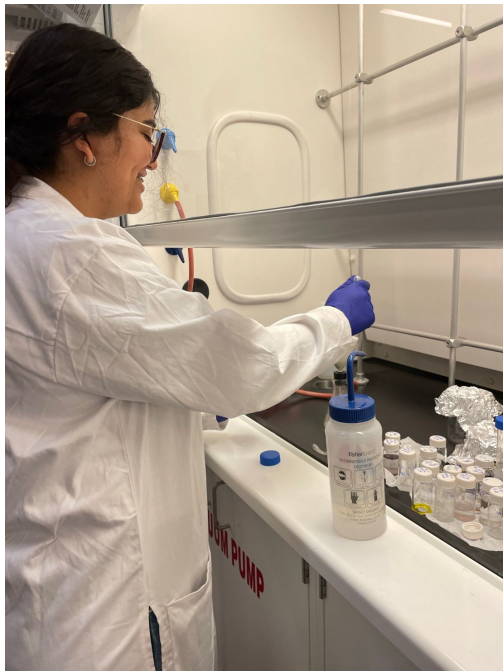


How can Arizona help to broaden participation in Science and Engineering while developing a semiconductor workforce for the Southwest?

With the help of Intel, Dr. Trevor Thornton and Dr. Zachary Holman are facilitating hands-on internships and research experiences building semiconductor technology for ASU and Maricopa Community

College students.

[Read More...](#)

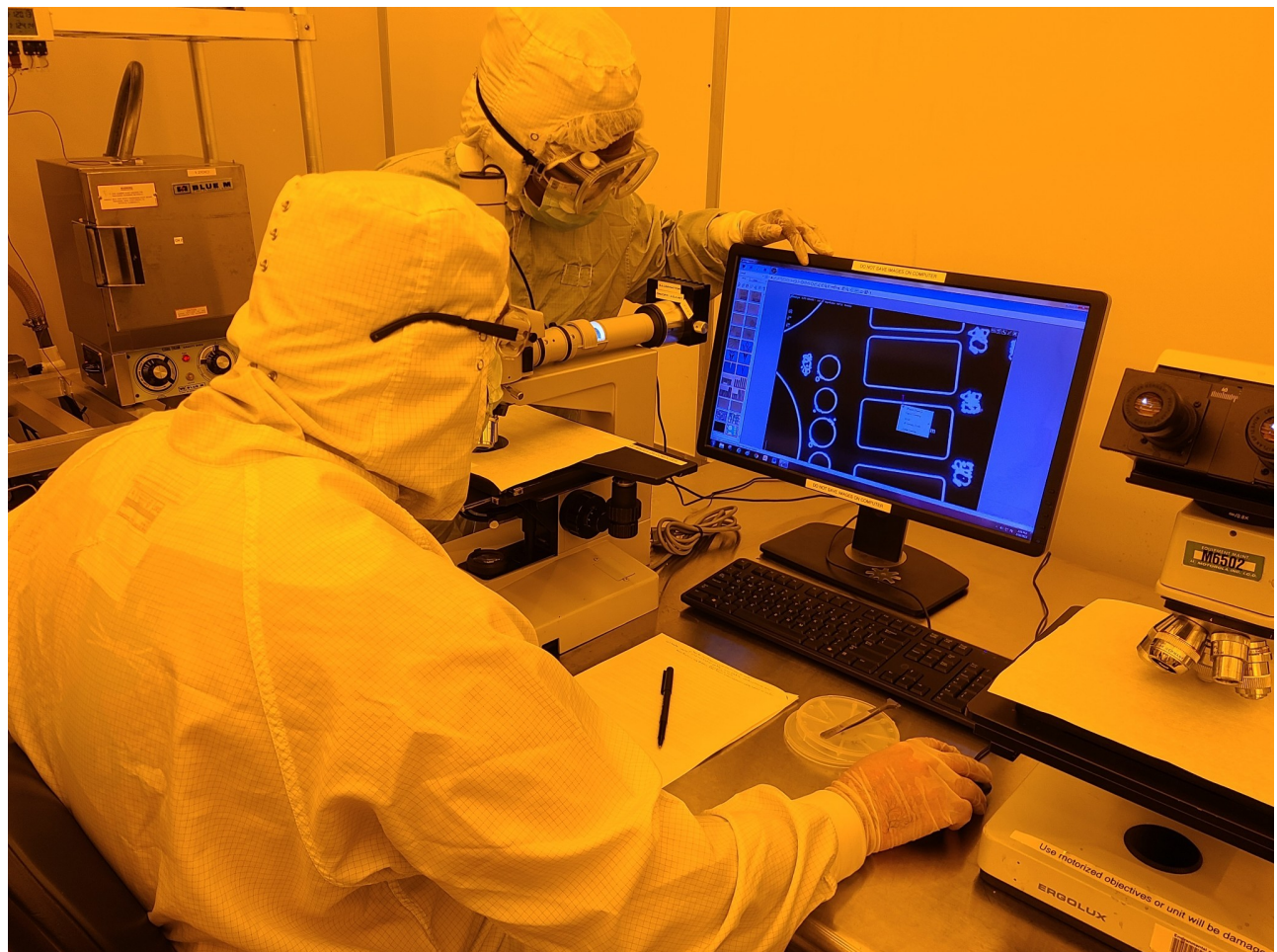


Research Experience for Undergraduates Program Supports Community College STEM Students

With support from the National Science Foundation, Research Experiences for Undergraduates (REU) at the NCI-SW is a stimulating nine-week summer research program for undergraduates from accredited community colleges and universities.

Learn more about how one of our Summer 2022 REU participants, Marian Jimenez, is inspiring other first-generation community college students to pursue their passion in STEM research.

[**Read Marian's article in the Pima Community College News...**](#)



Veterans Train to Join Semiconductor and Nanomaterials Workforce

Funded by the National Science Foundation, Arizona State University is collaborating with Rio Salado College and Penn State University to host hands-on-site training for a Microelectronics and Nanomanufacturing Certificate (MNC) Program. Designed specifically for active US military personnel, veterans, and their immediate family members, the MNC Program helps to meet the needs of a growing microelectronics and semiconductor workforce.

[Read the article in AzBigMedia...](#)

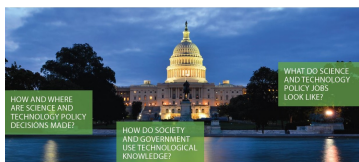
iMIRA!

NORTHERN ARIZONA UNIVERSITY

Center for Materials Interfaces in Research and Applications

iMIRA! at Northern Arizona University (NAU) is removing barriers between the worlds of STEM and cultural identities that often serve to limit the participation of women and historically minoritized communities.

Join iMIRA! Colloquium Mailing List



“Science Outside the Lab” is gearing up for another summer experience for NNCI faculty and students in Washington, D.C. The experience introduces how the federal government impacts and is impacted by science and technology and explore the relationships among science, innovation, and policy.

Learn more about the Center for Nanotechnology in Society



Dr. Paul Westerhoff is elected to the National Academy of Engineering for his contributions to progress and leadership in sustainable engineering education, research and practices.

Read about Westerhoff's contribution



Nanotech Integrated Education, Training, and Workforce Development

With support from NCI-SW, Rio Salado College launched a nanotechnology focused Integrated Education and Training (IET) program to prepare adult education students for nanotechnology technician roles while addressing local workforce needs.

[Learn More...](#)



Campus Semiconductor Facilities.

ASU MacroTechnology Works lab and fabrication facilities support university and community partner research and ventures. This unique national resource combines the equipment, expertise and training necessary to develop new technology from proof of concept to pilot scale. Now, the facility aims to support the CHIPS and Science Act goal of building America's semiconductor capacity and Arizona's New Economy Initiative.

[Read the full article in ASU News...](#)

