



ALAMO COLLEGES DISTRICT
Northwest Vista College

MNT E-SIG LIVE CONFERENCE

Neda Habibi

Program Coordinator at Northwest Vista College

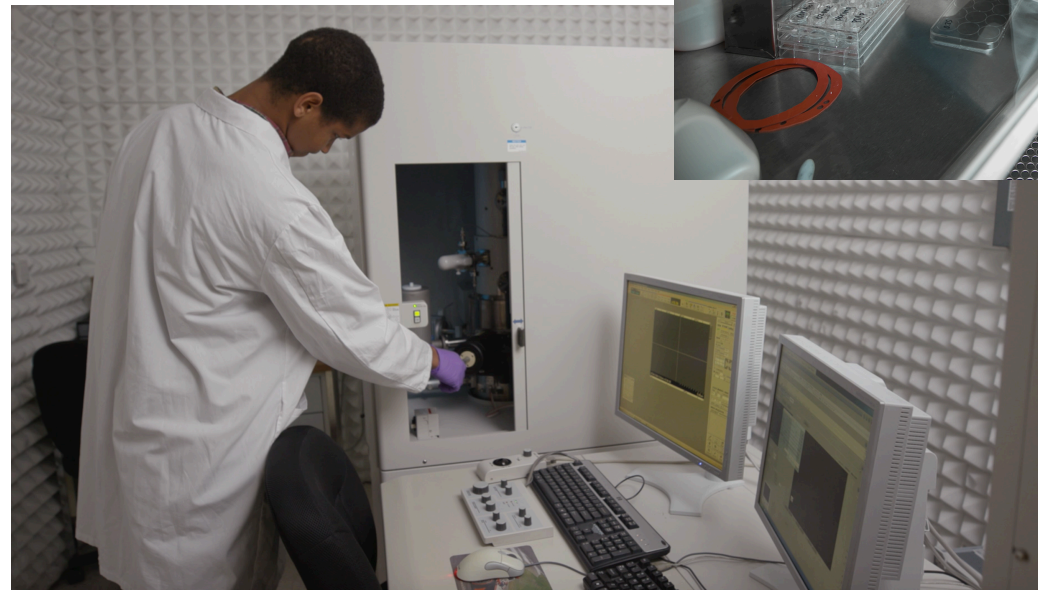
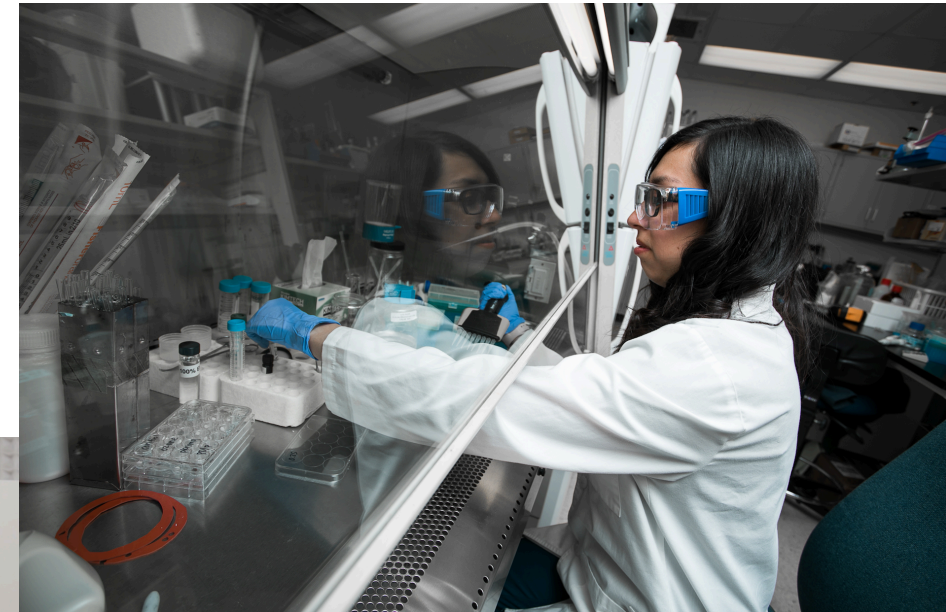
PI, Alamo Institute for Materials (micro, bio, nano) – Technology (AIM-TEC)

Co-PI, Micro-Nano Technology Education Center (MNT-EC)



Advanced Materials Technology/Nanotechnology at Northwest Vista College

- 2 year program (Associate degree and certificates)
- Nanotechnology lab at NVC
- Southwest Research Institute



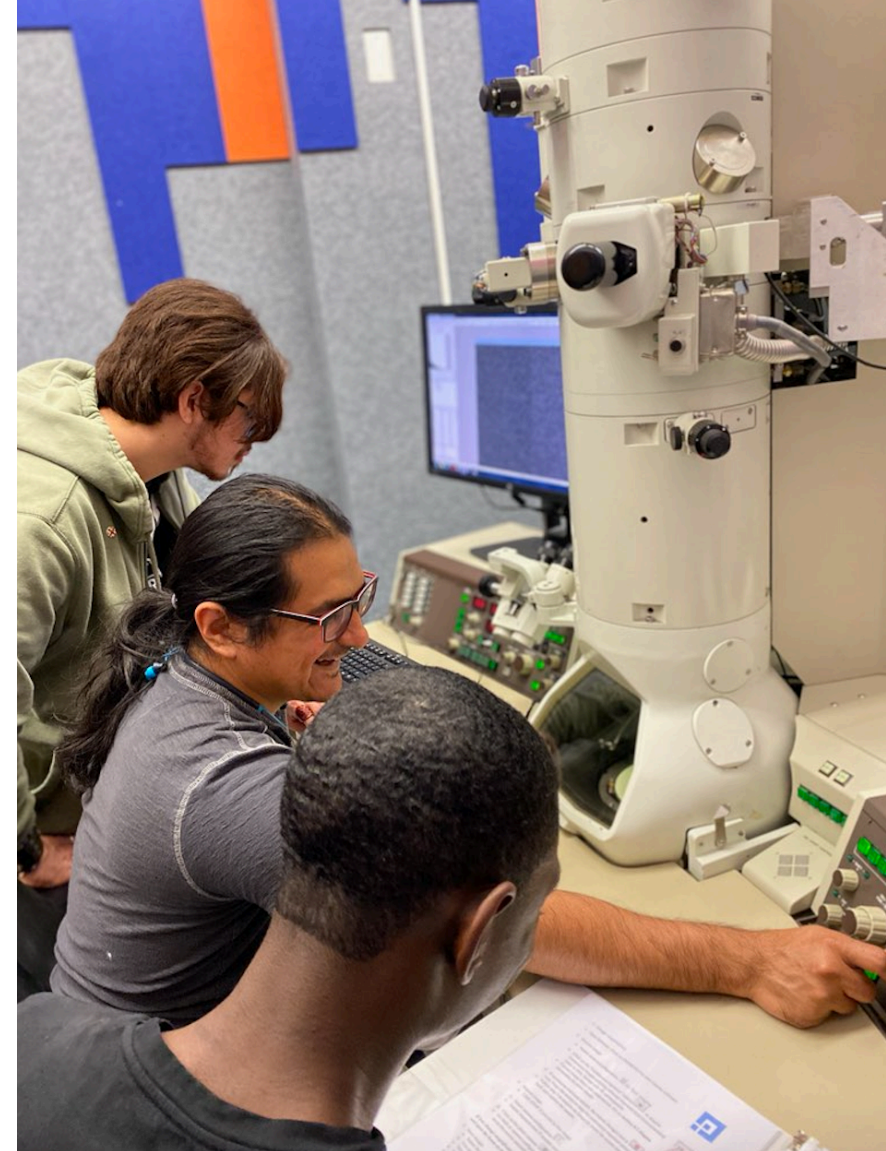
Advanced Microscopy Training at UTSA

1. Advanced Microscopy Training at UTSA

- TEM
- SEM
- X-RD

2. Nanotechnology Curriculum

- NANO and ENGR Lab Modules at NVC
- Synthesis Nanoparticles
- Virtual Labs





Create a deep Industry/Education Alliance

Workplace Experience and Internships

- **Southwest Research Institute (SwRI)**
- **Tower Semiconductor**
- **Micropower Global**
- **University of Texas at San Antonio**





Alamo Institute for Materials (micro, bio, nano) – Technology (AIM-TEC)

- NSF Grant: \$ 763,417, 09/01/16 - 09-01-2020
- 1) Coordinate with national and regional Micro-Nano-Biotechnology Industries
- 2) Substantially enhance the existing curricula
- 3) Improve the enrollment and graduation rates of students majoring in Advanced Materials Technology;
- 4) Engage the public and create a nanotechnology-knowledgeable community through participation in informal STEM scholastic events;
- 5) Expand the number of high schools and community colleges across the region adopting Micro-Nano-Biotechnology curriculum in the classroom.