

MNTeSIG Industry Involvement Sub-Team

Sub-Team Members

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Mission

The MNTeSIG Industry Team supports knowledge exchange between industry and academia to grow the micro-nanotechnology (MNT) technician workforce pipeline and increase enrollment in MNT education.

Goals, Objectives, and Tasks

Main Goal: Create deep industry/education alliances that support student success in the micro/nanotechnology field

Objectives:

1. Establish a strong and engaged BILT with diverse regional and industry representation for MNT-EC/MNTeSIG.
2. Create and implement a diverse program of activities that will connect companies with future technicians.
3. Ensure alignment of MNT education with evolving industry needs.

Tasks for Objective 1

- 1a. Work with MNT-EC leadership to recruit BILT members
 - Draft a letter of introduction and mail to all industry contacts
 - Create and distribute a survey to determine interest for involvement
 - Follow up with interested parties to determine if and how they wish to contribute
 - Form a BILT group of 6-12 committed members

Tasks for Objective 2

- 2a. Collect ideas for programs to connect students and industry. Solicit ideas from Industry Sub Team, BILT, and MNT faculty. Potential approaches include:

Top 3 Ideas:

- Company presentations

- Site visits/tours
- Internships/work-based learning opportunities

Parking Lot Ideas:

- MNT industry fair that connects companies to students and their families
- Company sponsored events (hackathons, Global City Team Challenge)
- Lunch & learns
- Mock interviews
- Guest lectures/adjunct

2b. By 10/2020, prioritize 2-3 activities to working on for the academic year.

2c. Coordinate academic, government and industry efforts to implement and market a set of resources documenting industry positions, academic micro/nano programs and newly graduated technicians.

Tasks for Objective 3

3a. Define and implement a process for identifying and engaging new industry partners

3b. Get direct input from industry on MNT programs to keep them current

- Regular input from BILT
- Establish connections to professional organizations (MANCEF, SEMI) to get regular input (at conferences, etc.)

3c. Partner with the MNTeSIG Curriculum sub-team to coordinate industry input and curriculum development.