

MNTeSIG Industry Involvement Sub-Team

Team Leader: Cait Cramer

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Sub-Team Members

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James Marti	jmarti@umn.edu	U of Minnesota Nano Center
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Updates

1. ATE PI/COMS 2020 update – Jared
 - Big changes! Monthly workshops, webinars, etc. August 2020 – December 2021
 - Utilize VR - all attendees get an Oculus Rift to pilot VR conference format
 - Big ATE Megacenters could give presentations/virtual tours
 - Face-to-face ATE/COMS conference in October 2021
 - Goal is to get regular conversation between ATE and industry
 - Not just MNT - also biotech, drones, and other areas
 - Todd will be recruiting 10-15 industry representatives through MANCEF to attend
 - Celeste is supportive. Currently responding to post-proposal questions.
2. MNT-EC update – Jared
Awaiting program review of PCC. Should hear back from NSF in the next 15 days.
- ~~3. Industry Mapping Project – Matt Did not get to~~

Discussion

1. Mission
Language from 10/2019: MNTeSIG bridges the gap between academia and industry; Clearinghouse of information between technical training programs and employment opportunities
2. Goals
 - Make micro/nano jobs more visible to community by getting industries involved
Ex. MNT fair that connects companies to students of all ages
 - Organize companies to give 10-min presentations to MNTeSIG about what they need
 - Create a job bank (MNTeSIG website, LinkedIn)

Additional goals from 10/2019

- 1:1 site visits with companies
- Local tours with IEEE chapter

- Define processes for identifying and engaging industry partnerships (ex. DACAM)
- Develop marketing tools (ie. Video testimonials for websites)
- Invite industry to guest lecture/adjunct
- Attend company sponsored events (Hackathons, Global City Team Challenge)
- Lunch & Learns
- Understand skill standards project
- Advisory Board recruitment
 - Utilized at UM Nano Center
 - Builds into placing students
 - Mock interviews @ community college
 - Build a joint advisory board for national center
 - Could support institutions without local/regional industry
 - Support centers transfer advisory resources to the national center
 - Streamline logistics of multiple meetings
 - Leverage everyone's connections to build better decisions
- Newsletter? Need someone to own/maintain
- National data/contact list of academic micro/nano programs → where to recruit

3. Outreach

- What is the ask?
 - Draft up a letter and use snail-mail to get better response than email
 - Survey – how interested are people? Specific topics? If not advisors, involved in other ways?
 - BILT - Meeting every two months
 - Other ways to participate – presentations to instructors, job postings, lectures, etc.
- Why would they want to participate?
 - Access to students/graduates
 - Provide list of possible activities
 - Job bank
- Who are we reaching out to? / Who will contact each person?
 - Northeast Region – Kate Alcott & Bob Ehrman
 - Southern Region – Todd Christensen & Neda Habibi
 - Midwest Region – Jim Marti
 - West Region – Jared Ashcroft
 - California Region – Jared Ashcroft

From 10/2019

- Minnesota – **Jim Marti** can approach their center's advisors
- MANCEF – **Todd** can approach current directors
 - What are current training mismatches
 - What are current hiring issues

- Initial conversations could lead to development of a survey for industry
- Current SCME advisors - **Matt**
- Albany (Global foundry) – can someone from NEATECH recruit there? **Jim** make contact with Bob. Are they open to leveraging their connections?
- PNW – who can recruit on behalf of MNTeSIG there?