

MS&T 2018 Conference

October 14 – 18, 2018 | Greater Columbus Convention Center | Columbus, OH

What Did I Learn?

- New research currently being conducted
- Different manufacturing techniques such as additive manufacturing
- Discussion of MSE undergraduate curriculum (i.e. additive manufacturing basics)
- Dynamics of the professional field in both industry and academia
- Existence of societies/communities that support women and people of color
- What other MSE students are doing



PROJECT DESCRIPTION

- Material Science and Technology (MS&T) 2018: Technical Meeting and Exhibition is a four-day conference addressing materials' structure, properties, processing and performance across the entire materials community.
- The conference offers special events, student events, and short courses.



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STEP Project Category: Leadership
STEP Faculty Mentor: Dr. Shashi Matta
Major: Materials Science & Engineering



My Favorite Parts of MS&T 18:

Events:

- ASM Women in Materials Engineering Breakfast
- Ceramic Mug Drop
- Micrographs Art Exhibit
- OSU MSE Alumni Get Together

My favorite part of MS&T was the networking. Not only was I able to connect with my peers from OSU, I was able to meet and interact with MSE students across the country. It was reassuring that even at the University of Texas in Austin, we were all struggling and succeeding together. Furthermore, networking with professionals in the field was very valuable to me. The women at the breakfast gave advice on how to effectively find internships/co-ops but did not sugar how difficult it was for women and especially women of color to be appreciated in the field.

I also enjoyed how creative MSE can be. One of the student competitions was turning OM, SEM or TEM micrographs into art pieces. Some students created beautiful city views or crafty puns.

Transformation Impact

The most transformational impact I experienced was the realization that I would be okay. My main goal was to figure out my place in the MSE field. Though I realized my interests lie in metal manufacturing, I also learned that the versatility of the field allows me to go into any sector. I could research polymers. I could go into additive manufacturing. I could even just switch over to teaching. These realizations lifted part of my stress. I was confident in myself professionally. I know I may be faced with obstacles after obstacles, but ultimately, I will be fine. I will have a community backing me up. They may even be across the world, but they are there.

Why did I select this project?

- The main goal of MS&T for students is to expose them to networking, learning and fun within the materials community.
- Professional development of students and improving their presentation and networking skills as well as cultivate their creativity.
- Technical sessions covering a multitude of symposia such as characterization, simulation, processing and manufacturing of the six main categories of materials.

I mainly wanted to professionally develop myself and decide a career path through the MS&T. During the STEP process, I had only just been accepted into the major, and did not know what it had to offer. I chose this project to learn what my interests were.

