

Industry 4.0 Workforce Summit Webinar Series

Session #7, February 4, 2022

Welcome to the Industry 4.0 Workforce Summit Webinar! Feel free to introduce yourself in the chat.

Good morning from the National Center for Supply Chain Automation

Good morning from South Central College and the ATE/NSF iMEC2.0 Project.

Hello everyone from icy Springfield, MA - Gary Mullett

Good morning from the National Center for Supply Chain Automation... Sunny So Cali

Hello everyone from CUCWD, Greenville, SC.

Hello everyone! Terryll Bailey from The Allison Group in Seattle.

Good morning from Larry Chang of BEST Center, Berkeley, CA!

Hello from Harford Community College, Bel Air, MD

Hi all - from ATE Central!

Here's the link to the Community College Innovation Challenge:

<https://www.aacc.nche.edu/programs/advanced-technological-education/community-college-innovation-challenge/>

Hi everyone! I wish warm days to all of you. Regards from Tennessee Tech

Here's the link to the NSF's ATE program page: <https://beta.nsf.gov/funding/opportunities/advanced-technological-education-ate>

Hello from co-pi on the Mentor Up project atementorup.org and former ATE co-Lead Program Officer. Good to see so many names I know.

Here's a link to ATE Central: <https://atecentral.net>

Link to NSB's report on the skilled technical workforce:

<https://www.nsf.gov/nsb/publications/2019/nsb201923.pdf>

Future of Work project: <https://www.preparingtechnicians.org/>

The ATE Impacts book: <https://ateimpacts.net/book>

More about BILT: <https://www.pathwaystoinnovation.org/bilt-academy-blog/>

More information about the National Center for Autonomous Technologies (NCAT) can be found at: <https://ncatech.org/>

If interested in writing an article for JATE check out our website: <https://micronanoeducation.org/journal-of-advanced-technological-education/>

Hi from the National Center for Supply Chain Automation. What resources does ASEE or any of the panelist centers have that may assist with creating & maintaining Industry partnerships?

Here's a link to Working Partners: <https://www.workingpartnersproject.org/>

Are there any Industry 4.0 credentials available that we can use to develop curriculum for our advanced manufacturing programs?

What are the most essential/soft skills that are necessary for technicians in the industry, what are those gaps, how do you identify those gaps i.e., any specific skills?

Thank you all so much!! We have an Amazing Industry Leadership team & some strong industry partnership, but I am always looking for tips to grow that. I appreciate all the info

Micro Nano Technology Special Interest Group

=<https://www.mntesig.net/>

The NSF (National Science Foundation) ATE Internet of Things Education Project is currently running online workshops about IoT basics for community college faculty.

Bluegrass Educational Technologies: National Coalition of Certification Centers (NC3) I4.0 Certifications for Manufacturing <https://www.nc3.net/partner-festo/>

Here is the current ATE Impacts flip book: <https://ateimpacts.net/flipbook/>

What is being done to recruit workers from where they are, their comfort zone, to the new workforce, and pay them while transitioning themselves. Apprenticeships are not it, school loans and grants don't fill the need. These are people with families and bills. Not immediate high school graduates, but single women with three kids, vets just out needing equivalent certifications, those recovering from a 'bad break'. We cannot focus on what industry needs without addressing the needs of these non-standard students.

In case you haven't seen it, ASEE CMC did a skills gap survey with fresh graduates to get their feedback on what they were best/least prepared for. Sounds like the programs noted on this webinar are making tremendous strides in closing many of those gaps: <https://workforcesummit.asee.org/wp-content/uploads/2021/10/CMC-ebook.pdf>

NCSCA collaborated with MSSC on a National Supply Chain Automation stackable certification that launched in fall 2021. Get more information at www.supplychainautomation.com

Apprenticeship is essential. NCSCA partnered with Riverside Community College District & Target Corp this past summer & recently HS graduates.

This has been a wonderful session and I am not surprised. Thank you for the strong leadership by NSF and the strong leadership at community colleges. Thank you ASEE for this session.

If you enjoyed this webinar, please make a note of Workforce for Industry 4.0 Summit on April 25-26 in Washington DC