

HANDS-ON MINDS-ON INDUSTRIAL PRACTICES

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Harnessing the Power of Technology to Afford Access to STEM Opportunities

This presentation will engage participants in conversations pertaining to the integration of instructional technologies (e. g., Canvas, Google Classroom, Zoom, YouTube, Mediasite) to facilitate interactions and collaboration among students and professionals in geographically disparate locations. Participants will be made aware of virtual computing labs and their application to afford access to STEM hands-on experiences and engineering technologies (e.g., Fusion 360, SketchUp) used by design students and professionals. The presentation will inform participants of the recruiting criteria, process, and collaborative efforts to assure STEM educational experiences and environments serve high school students in groups marginalized and underrepresented in STEM.

Presentation Target:

High School

Presenter(s):

1. Robert Cobb, Associate Professor and Site Director for UNITE Program, North Carolina A&T State University
2. Paula Faulkner, Professor in the Department of Agribusiness, Applied Economics and Agriscience Education, North Carolina A&T State University