Developing Security Education Materials for Future Advanced Manufacturing Engineering Workforce



Challenge:

Security education in AMS (advanced manufacturing systems) falls behind

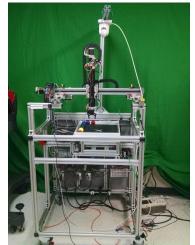
Need to design both course modules and platform for hands-on experiments

Solution:

Education materials on security of communication, control, and sensing in AMS

Systematic evaluation in both CS and ME courses





security education materials hands-on projects course modules equipment reservation it ansmission command compilation/ transmission it also it ansmission Cloud Servers Manufacturing Equipment

Scientific Impact:

Bridge the gap in security education for AMS

Cloud based experiment environment with real industrial equipment

Broader Impact:

Train qualified workforce for thousands of openings in manufacturing industry

Provide interdisciplinary research/education experiences to both faculty and students

Award: 1523096. Pls: Weichao Wang, Aidan Browne, Chuang Wang, and Wesley Williams