

Industrial Careers Advisory Council
Electronics/Manufacturing
March 26, 2021
Zoom-Virtual Meeting
1PM

ATTENDANCE

John Cooper, Ph.D., SIU; Eric Cox, Kirby Risk; Terri Cummings, DACC; Hurculano DaSilva, Thyssen-Krupp; Dr. Julie Dunston, SIU; Todd Flessner, DACC; Doug Hunter, DACC; Jonathan Jett, VCW; Dr. Benjamin Jun, DACC; Mike Jureseski, Danville Metal Stamping; Brad Kent, Thyssen-Krupp; Andrew Mitchell, Flex-n-Gate; Dr. Natalie Page, DACC; Chris Pearson, SIU; Taylor Presley, SIU; Jeff Primmer, DACC; Joseph Roberts, Thyssen-Krupp; Tim Scarlett, Danville Metal Stamping; John Setser, Fastenal; Carolyn Smith, SIU; Robert Stalcup, Thyssen-Krupp; Kerri Thurman, DACC; Jason Warner, Thyssen-Krupp; Jon Wing, Thyssen-Krupp; Stephanie Yates, DACC

REPORTS

The faculty reported on changes and updates to several programs. Todd updated on the newly approved Quality Inspector Certificate as well as two new courses that were offered this semester: Geometric Dimensioning and Tolerancing and Metrology.

Doug Hunter reported on new training in advanced manufacturing with Robotics being a key focus. Both Doug and Ben have done the first round of training in ABB Robotics and will need a second level of training. Doug has already developed a first introductory class called Intro to Robotics that will start incorporating Robotics into the curriculum and help with local industry using robotics in their automation. This new course will utilize the robot arms in the DACC lab and will give students an introductory understanding and some hands-on application.

OLD BUSINESS

No old business to report

NEW BUSINESS

There was earnest discussion about changing the name of the machining degree to Precision Machining Technology. Name changes can attract new students. Brad Kent agreed the name sounded punchy and flashy and no disagreement was expressed by the attendees. Todd would take this new degree in the direction of offering concentrations such as a path to Quality Machining, a path to Robotics, and a path to Electronics. The department still needs to iron out what that will look like this next year.

Doug too would like to develop new courses adding more CAD and architectural courses to attract new students. There was serious discussion about Data collection. Andrew Mitchell said they use a vision

system to check parts for errors. The need for employees with skills to use Excel and SQL and even Python as a high priority in data collections systems. Dialog included considering a combination of manufacturing and computer science. Joseph Roberts offered to donate some equipment, faculty should follow-up with him.

Electronics is also revamping it's programs in PLC, said Dr. Jun. Including more programming, hands-on, and troubleshooting. The program could use parts and equipment so that students can take apart a robot arm and get mechanical experience. The Robot arms purchased by DACC are just too valuable to take apart.

ITEMS FROM THE FLOOR

An articulation partnership with SIU and DACC has been formed. Carolyn Smith spoke about the benefits of this partnership to both SIU and DACC, including future use of DACC as an SIU host site. A joint partnership of aligning the two curriculums will help with marketing and advising. A 2-year AAS that is strong in hands-on experience can lead into a Bachelor's focusing on Quality and Management. Southern Illinois University will be holding a Q&A Webinar on April 5 and 9.

The members discussed adding a Robotics Club where high school students can compete. This may be addressed with the Skills USA that Nick Chatterton, Director of VVEDS is working to implement for all career programs offered through College Express at DACC.

Jonathan Jett from Vermilion County Works reminded the industry partners that there is money available for training and apprenticeship programs for incumbent workers. VCW will also be helping with more job fairs in conjunction with Career Services at DACC this coming year.

Terri asked the members to start thinking about a rebranding of Manufacturing Day that will be in partnership with College Express. This would include using PACE (Post-Secondary and Career Expectations) program that is used for 8th graders so they can get an idea of what careers are available to them in the area in conjunction with the degrees/certificates available at DACC.

DATE of NEXT MEETING

March 2022

MINUTES SUBMITTED by:

Respectfully submitted,

Lisa J. Osborne

Lisa J. Osborne
Administrative Assistant
Business and Technology

