

College of Technology Site Coordinator's Meeting

Date: Friday, September 9, 2016 Time: 9:00AM

Hosted by: Tunxis Community College, 271 Scott Swamp Road, Farmington, CT

MINUTES

Welcome Remarks – Dr. Cathryn Addy, President Tunxis Community College

Siemens System Grant for NX Software Update - Dr. Karen Wosczyzna-Birch, Executive Director, College of Technology-Regional Center for Next Generation Manufacturing (COT-RCNGM)

- Dr. Addy was instrumental in getting a grant from Siemens started. The grant will allow a free one-year license for the CT State Colleges and Universities System with a discounted rate beginning in Year 2.
- Mehrdad Faezi [Manchester CC] added that college IT departments have to understand the hardware specifications that are required to run the software. For curriculum development, you are able to specifically assign a license to a student for a certain amount of time then transfer the remainder of the license to another student.
- Michael Gentry [Three Rivers CC] Siemens NX Software has a Learning Management System with interactive tutorials so there is no need for a textbook. A professor did write a manual to go along with the software which Siemens will give further information about. CAD 110 is a suggested pre-requisite for the Siemens software.
- Dr. Addy is working on getting a press release.

Attendee Introductions & Updates– All Attendees

- Eric Gribin [Tunxis CC] – Designing new certificates for Energy Management Program.
- Hubert Godin [Middlesex CC] – Working on plans for new building for manufacturing programming and aligning entire program with Asnuntuck CC's manufacturing program.
- Ryan Munden [Fairfield University] – After having meetings with COT Site Coordinators, eight COT students transferred to Fairfield University to complete their B.S. Degrees. Also submitted a proposal to the National Science Foundation to become a Research Experiences for Undergraduates (REU) Site. Community college students can also be recommended to participate in research projects through the NASA CT Space Grant Consortium.
- Lesley Mara [CT State Colleges & Universities] – Currently wrapping up the Health & Life Sciences grant. This grant helped develop 152 tutorials in math and science for veterans. Recently to the role of Director for the Office of Workforce Development, Strategic Partnerships, and Sponsored Programs.
- Michael Gentry [Three Rivers CC] – The second cohort of the Precision Sheet Metal Fabrication Program has started.

College of Technology-Regional Center for Next Generation Manufacturing Updates - Dr. Karen Wosczyzna-Birch, Executive Director, COT-RCNGM

- National Network for Manufacturing Innovation Institutes are an Obama initiative. There will be a total of 15 with 9 already having been awarded. The COT-RCNGM is a partner on two of them. The Advanced Functional Fabrics of America (AFFOA) is led by the Department of Defense and MIT. We will be working with them to determine workforce needs for smart fabrics. This may fall under the category of electrical engineering technology. The Clean Energy Smart Manufacturing Innovation Institute (CESMII) is led by

the Department of Energy and University of California-Davis. There are 5 national Hubs for CESMII and the COT-RCNGM is a partner for the Northeast Hub. CESMII will be asking for project proposals that they will fund.

- Eric Gribin [Tunxis CC] added that Connecticut is 6th in the nation for energy efficiency because of grant programs and policies. There are possibilities for Technology Studies options in energy management as well as items that can be implemented into current curriculum.
- EASTEC will take place May 16th-18th at the Big E Grounds in West Springfield, Massachusetts. Discussions are starting for the Education Day that will take place during the expo.
- Deadlines for NASA Space Grant proposals are coming up. There are several deadlines which are listed on the website.
- The application for the 2017 Stratasys Extreme Redesign Challenge will be coming out soon. This is a 3D printing challenge for students.
- The National Coalition of Advanced Technology Centers (NCATC) is doing a lot with the NNMI's. The COT is a member of the NCATC. The NCATC is also a partner for the Extreme Redesign Challenge.

CAMI Grant Updates – Michelle Hall, Director, CAMI, CT State Colleges & Universities

- CAMI is a \$15 million Department of Labor (DOL) TAACCCT grant that was awarded in 2014 with funding going to Asnuntuck CC, Manchester CC, Naugatuck Valley CC, Quinebaug Valley CC, Three Rivers CC, Housatonic CC, and Middlesex CC.
- CAMI was one of seven TAACCCT awardees selected for a US DOL national evaluation because of strong enrollment. Only four of the seven CAMI CCs will participate in the evaluation.
- CAMI offered a professional development opportunity for manufacturing instructors to learn about problem based learning that was facilitated by the New England Board of Higher Education. The RCNGM helped fund a portion of the initial event. The first workshop is being followed up by 5-6 months of online dialogue and will end with another full day workshop in the spring.
- The Make It. Here. marketing campaign had a huge impact on enrollment. There was also a 98% job placement rate and 94% retention rate.
- Strategic partnerships with the CT Department of Labor and the CT Association for Adult and Continuing Education (CAACE) are being discussed.
- In terms of curriculum development, lecture-based courses are being moved to online or hybrid formats.
- Renovations and equipment purchases were also a deliverable of CAMI.

Mechanical & Manufacturing Engineering Technologies (MET²) Program – John Birch, Executive Director, MET² Program

- The 2-week Winter Intersession will begin the first week of January 2017. Curriculum will cover professional skills, entrepreneurship and technical skills, such as 3D printing and SolidWorks.
- Applications will be distributed at the October COT Meeting.
- Students receive stipends for their participation. They are expected to do 100 hours plus reports during the semester.
- Currently looking for projects to propose to the students.

CT Business and Industry Association (CBIA) Education & Workforce Partnership Updates – Jennifer Duggan, Program Manager, CT Business & Industry Association

- The Greater Hartford Mini Maker Faire will take place on Saturday, October 8 at Tunxis Community College. There are about 40 Makers signed up so far and there are still more that need to fill out the application. 75% percent of the Makers are hands-on.

Upcoming COT Meetings

October 21, 2016 – Middlesex Community College

November 18, 2016 – Southern CT State University

December 16, 2016 – Fairfield University

January 20, 2017– University of Connecticut

February 24, 2017 – Naugatuck Valley Community College

March 10, 2017 – Central CT State University

April 2017 – University of Hartford – Date to be determined

May 12, 2017 – Asnuntuck Community College

Important Dates

November 18, 2016 - STEM/Advanced Manufacturing & Technology Expo of Greater Waterbury

December 14-16, 2016 - RCNGM National Visiting Committee Meeting

May 16-18, 2017 – EASTEC – West Springfield, MA