

Epsilon Pi Tau Inducts 16 New Members



The Beta Phi Chapter of Millersville University of Pennsylvania, directed by Chapter Trustee, Dr. Thomas P. Bell, hosted its annual initiation ceremony on November 1, 2019. It initiated 16

new members. New officers are President, Andrew Simpson, Vice-President Brandon Creasy and Secretary Joe Kaskel. Greetings and opening remarks were made by Dr. Len Litowitz, Co-Trustee and Chairman of the Applied Engineering, Safety and Technology Department. A Distinguished Service Citation was presented to Dr. John Wright, Jr.



New initiates include:

Michael R. Aboulhoda
Wyatt J. Anderson
Vlad T. Ciuta
Vivian J. Feliciani
Michael C. Graham
Makenna E. Hewitt
Megan A. Hlodash
Ryan C. Karpack

Sydney A. Levin
Kevin M. Mackay
Tia M. Mauro
Alejandro R. Rosario
Sidney Scoralick
Macy M. Souders
Jeffrey W. Swartz
Benjamin D. Whitby

Dr. Thomas P. Bell

Advisory Committee Members Needed

The department is in need of volunteers to serve on newly formed Advisory Committees for our Automation & Intelligent Robotics Engineering Technology (ARET) and Manufacturing Engineering Technology (MFET) programs and our existing Applied Engineering & Technology Management (AETM) Program. Advisory committee members provide input related to curriculum and current trends in industry. Advisory committees typically meet at MU twice per year (Fall and Spring) for approximately two and a half hours and food is often provided. This is a nice way to provide some community service and to help improve the quality of our programs. Contact Len Litowitz, Department Chair, if interested at len.litowitz@millersville.edu



TEECA Attends Regional Conference



TEECA @ MU brought 21 members to the TEECA Eastern Regional Conference in Rehoboth Beach, Delaware on November 7-9, 2019. Three faculty members also joined the trip to help serve as contest judges, including Dr. Sharon Brusic, Dr. Len Litowitz, and Dr. Ken Lyle. Dr. Alex Johnson was not able to make the trip, but he did support the manufacturing contest by preparing contest materials. All student members participated in one or more contests, competing against students from other Eastern seaboard universities at the conference. There was also a team building experience (including a polar plunge!), a job fair, and a dinner banquet with a keynote speaker. We are very proud of ALL student participants for their professional representation of MU and their hard work and effort in all contests.

TEECA @ MU placed in six contests, including three first place awards. The awards earned this year include the following:

Manufacturing Team - 1st Place

Jonah Barney
Carla DiStasio
Justin Egresitz
Joseph Kaskel
Jeffrey Swartz
Mike Wallence

Technology Challenge - 2nd Place

Justin Egresitz
Joseph Kaskel
Tia Mauro
Jeffrey Swartz

Communications Team - 1st Place

Vivian Feliciani
Stephen Hammond
Nathan Klansek
Tia Mauro

Transportation Team - 3rd Place

Hannah Card
Trey Gresh
Ryan Karpack
Jack Waldenberger

Poster Session Team - 1st Place

Michael Aboulhoda
Marie Leatherman
Sidney Scoralick

Robotics Team - 2nd Place

Michael Aboulhoda
Marie Leatherman
Adam McKenney



Dr. Sharon A. Brusic, TECE Chair

OSEH Program Reportables



Samantha Hackney, an OSEH major and Millersville University's American Society of Safety Professionals (ASSP) Club President, was the recipient of the 2019 ASSP Foundation Next Generation Board Student Leadership Award in Innovation. Samantha completed the Future Leaders Conference application in September and was selected from a pool of applicants from several other occupational safety schools throughout the United States. This prestigious award allows Samantha to receive an all-expense paid trip to the 2020 ASSP Safety Professional Development Conference that will be held in Orlando, FL in June 2020.

Seven OSEH students were selected to participate in the annual ASSP Future Safety Leaders Conference on November 7-8, 2019 in Oak Brook, IL. Students completed applications and were selected to participate by a committee of ASSP members. The conference is targeted at a specific group of ASSP student members to provide education, development, and mentorship for making a smooth transition from campus to work life.



Front Row: Emily Seiler, Sarah Gallagher, Samantha Hackney
Back Row: Noah Zollner, Dylan Hyer, Robert Gambler, Nicholas Leinbach

OSEH and Construction Management students in the experimental course, OSEH 479 Construction Safety, toured a commercial/residential building under construction by Warfel Construction in downtown Lancaster on October 28th. Kevin Stolfus, CHST, Assistant Safety Director at Warfel led the tour. Students learned about the responsibilities of a construction safety professional, regulatory requirements, and common hazards to watch for during an inspection.



Pictured: Kevin Stolfus, Dario Stanley, Brian Pfeffinger, Ben Sherron, Max Gregory, Colin Frey, Rory Stewart, and Thomas Blackwell

Dr. Betty-Jo Legutko

Master's Program Status Update

Fall 2019 Status Report on the M.S. in Technology & Innovation Program

In the Fall of 2019 the M.S. in Technology & Innovation Program is continuing to thrive. Currently, there are 38 students actively pursuing the degree. The make-up of the current cohort of students in the program represent an interesting mix of demographics including:

- 42% of the students are women
- One student is an international student from China
- One student is a professional librarian
- Three students are full-time graduate assistants
- One student is currently on leave as he fulfills his service commitment to the U.S. Army
- One student is a professional actor and stage manager
- 28 students are educators covering the entire range of K-12 grades and a variety of content areas
- Two students are currently working on completing their thesis
- One student is working on completing her Research and Development Capstone Project
- Eight students are in the final stages of their program of study and anticipate participating in the Spring 2020 Graduate Commencement

Further evidence of the program's health is the steady influx of new applications for admissions into the program. In the Fall semester there are four new students taking courses in the program and as of November 1st there are two more applications being considered for admission for Spring 2020.

In other news, Dr. Gavin Speirs is just completing his first full year as an adjunct instructor. He has taken over teaching the course EDTE 604: Engineering Principles and Concepts for the Non-Engineer from Dr. Ken DeLucca, who just retired in the Spring of 2019. Over the last year Dr. Speirs has taught two sections of the course and is queuing up to teach it again in the Spring of 2020 and again during the Summer II term. Another new adjunct instructor for the program is Dr. Jennifer Buelin. Dr. Buelin is currently teaching EDTE 603: Fostering Creativity by Design. Both instructors are bringing new perspectives to the graduate program as they are teaching their material to full classes of 20+ graduate students.

Dr. Scott A. Warner, Graduate Program Coordinator

TEEAP Conference to be held at MU!



The 2020 TEEAP Conference is tentatively scheduled to be held on the Millersville University campus October 23 & 24, 2020. Next year's conference promises to be the most technical conference offered in years since Osburn Hall offers full lab capabilities for technical sessions on topics ranging from CADD to CNC to robotics and so much more. Please mark your calendars and plan to attend!

TEEAP Conference Award Recipients

The annual TEEAP conference was held in conjunction with the STEMathon Conference on October 30 and 31st at IU 13 in Lancaster. One component of the TEEAP conference has been the TEEAP Social that has been held at the Lancaster Science Factory in recent years. The social is co-sponsored by Millersville University, California University of Pa, and O'Shea Lumber Company. A portion of the social is dedicated to a series of awards that MU and Cal U present to alumni who are working hard on behalf of the technology & engineering education community, MU or the TEEAP association. This year's award recipients are as follows:

- One of two **TEEAP Wilkinson Scholarships** was awarded to Jeff Hatala. Jeff is currently a freshman pursuing technology education at Millersville University. He grew up in Madison Township, PA near Scranton and Graduated from North Pocono High School in 2019 where he was frequently on the honor roll. Jeff credits his family's masonry business as instilling an early interest in construction. He also acknowledges his high school woodworking teacher, Brian Koelsh as inspiring him to pursue a career as a technology education teacher.
- The **MU Ambassador Award** went to Tim Smith, a faculty member from the Dover Area School District who is frequently bringing students to campus for tours and promoting the Department of Applied Engineering, Safety & Technology.
- The **MU Outstanding Cooperating Teacher Award** was presented to Hatsaday Phongxaysanith, a faculty member at Conestoga Valley High School. Hut, or Mr. P as he is known, has hosted many student teachers over the past 15 years and routinely accepts student teachers on a regular basis.
- The **MU Emerging Leader Award** was presented to Courtney Hauer, a faculty member in the Downingtown Area School District. Courtney has been working hard in support of the TEEAP Association and is currently helping to deliver a course to MU students.
- The **MU Innovative Educator Award** was presented to Paul Thom, a faculty member in the Littlestown School District. Paul is known for his exceptional enthusiasm for teaching and his unique curriculum and assignments.
- The **MU Lifetime Achievement Award** was presented to Mr. Brent Frey, the Director of Education for Apple Corporation. Brent is a 1983 graduate of Millersville University with a degree in technology education. Brent began his career in 1984 as a technology education teacher at the Upper Adams School District near Gettysburg, PA. He later served as a school administrator for twelve years in the West Shore School District near Harrisburg, PA, where he was as a middle school principal and then district director of technology. He was also responsible for the supervision of the technology education program in the district. During his tenure as Director of Technology, West Shore School District was recognized as a leader in the implementation of technology as the Internet made its way into the education landscape. Then he joined a little company called APPLE in 2001 where he is currently the Director of Education. Brent leads all groups in the education division that focus on the transformation of learning and teaching both in K-12 and Higher Education. This includes a variety of groups including Education Development Executives, Apple Professional Learning, Community Education Initiatives, Professional Learning Content, and Higher Education Market Development. During his tenure at Apple, Brent has been a featured keynote speaker at various educational conferences worldwide speaking on the future of education. For the last eight years he has been a member of the leadership team for Apple Education working with schools and universities on the implementation of technology. Brent has been able to shape the philanthropic work Apple does with impoverished schools in the US and is engaged in all aspects of the role Apple plays with education institutions. Brent is a resident of Lancaster, PA but can frequently be found traveling back and forth to Apple headquarters in Cupertino, CA.

Dr. Len S. Litowitz, Department Chair ■

SME Students Participate in Baja Society of Automotive Engineers Event



The Millersville Society of Manufacturing Engineers is an organization, founded in 1932, for individuals, students, educators and companies involved in all facets of engineering. Since 2017 the SME group has focused on the collegiate Baja Society of Automotive Engineers (SAE) competition. In Baja SAE, students are tasked with designing and building a single seat, all terrain sporting vehicle that is to be a prototype for a reliable, maintainable, ergonomic, and economic production vehicle that serves a recreational user market. Millersville students learn to function in a team environment to design, engineer, build, test, promote, and ultimately test a vehicle within the limits of the SAE rules.

This next year, 2020, will mark the third year that Millersville has competed in this highly competitive event attended by schools across the globe. In our first year, competing in Mechanicsville, MD, Millersville ranked 37th overall out of 89 competitors. This past year,

Millersville competed in Cookeville, TN and despite having some mechanical setbacks, students were still able to design and build a vehicle that had an overall weight of 343 pounds, 182 pounds lighter than the previous year's vehicle, placing us within the top 15 teams at the competition in this category despite being only a second year team.

Millersville will be competing this coming May time in Louisville, KY. Our team is looking forward to the next competition and is already well on their way to constructing the new vehicle. To keep current with our club's activities please check out our website: www.millersvillebaja.com.

Dr. Alex Johnson, MFET Coordinator ■

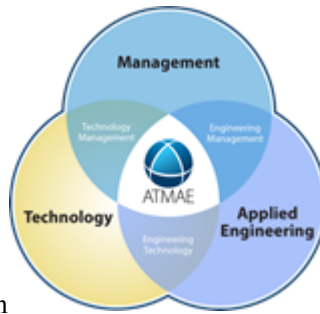
EMERGING FIELDS OF STUDY RECEIVED FEDERAL REGONITION WITH NEW 2020 CIP CODES

For the past two years, an Association of Technology, Management, and applied Engineering (ATMAE) Task Force lead by Dr. John Wright have been working for the addition/creation of three new Classification of Instructional Programs (CIP) codes. CIP Codes are awarded/reviewed by the United States Department of Education every ten years, and this year ATMAE was successful in advocating for the successful creation of three new federally recognized programs beginning in 2020. These include:



Applied Engineering 2020 CIP Code: 14.0103 (NEW)

A program that generally prepares individuals to apply mathematical and scientific principles inherent to engineering to the management and design of systems, execution of new product designs, improvement of manufacturing processes, and the management and direction of the physical or technical functions of an organization. This includes instruction in basic engineering principles, project management, industrial processes, production and operations management, systems integration and control, quality control, and statistics. <https://nces.ed.gov/ipeds/cipcode/cipdetail.aspx?y=56&cid=93052>



Applied Engineering Technologies / Technicians 2020 CIP Code: 15.001 (NEW)

A program that generally prepares individuals to apply basic engineering principles and technical skills in support of engineers engaged in the management and design of systems, execution of new product designs, improvement of manufacturing processes, and the management and direction of the physical or technical functions of an organization. Includes instruction in basic engineering principles, project management, industrial processes, production and operations management, systems integration and control, quality control, and statistics. <https://nces.ed.gov/ipeds/cipcode/cipdetail.aspx?y=56&cid=93053>

Science/Technology Management 2020 CIP Code: 52.0216 (NEW)

A program that prepares individuals to develop science, technical, and business skills required for management of people and systems in technology-based industries, government agencies, and non-profit organizations. Includes instruction in computer applications, general management principles, production and operations management, project management, quality control, safety and health issues, and statistics.

<https://nces.ed.gov/ipeds/cipcode/cipdetail.aspx?y=56&cid=91732>

Why is this significant for ATMAE, the Department, and University? The CIP provides a taxonomic scheme that supports the accurate tracking, assessment, and reporting of fields of study and program completion activity. Additionally, they often determine faculty salaries and some like 52 and 14 are viewed as more prestigious by administrations. It is important to note that ATMAE is the only current special program accreditor of Science/Technology Management (52.0216) and Applied Engineering (14.0103) programs. Lastly, they serve to assist with defining the three fields with an official definition recognized by the United States Department of Education.

Dr. John R. Wright, ARET Coordinator

Graphic Communication Open House



On Thursday, November 21st Millersville faculty hosted a seminar for high school students who are interested in graphic communication. The event was held on the third floor of Osburn Hall. Prospective students had an opportunity to see our graphics labs in action and learn about the kinds of technologies and experiences that Millersville students get throughout their course of study. For students considering further education in graphics, this was a great chance to meet faculty and current students in our program to see if this is a fit for you.

This evening event included a tour of Millersville's graphics labs and a chance to screen print your own commemorative t-shirt. Dinner was served at 6:30pm, and after dinner there was a Career Panel Discussion. The panel discussion featured recent graduates of Millersville's graphic communication program, who shared their experiences transitioning from school to the workforce.

Ms. Donna M. Painter

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