

FROM THE HAWK'S NEST

Official Newsletter of the UMES Technology & Engineering Education Program

T&E Students Design and Build Drones

Students in the Core Technologies class researched and designed mini-drones. This involved 3D printing the frames and soldering the electronic components.

Community College Pathways Created

The program is pursuing agreements with numerous community colleges to allow students to easily transfer into the UMES T&E education program. Please contact Dr. Love for more details.

Alumnus Hired

Shaun Lloyd a 2012 graduate was hired to teach T&E education at Seaford High School in Delaware.

Josh Bounds Receives Diploma and Maley Scholarship

Josh Bounds graduated with honors in December and received the Maley undergraduate scholarship at the TEEAM awards banquet.

Larry Ryan Receives ITEEA Award

Larry Ryan, a T&E teacher at Stephen Decatur High School and adjunct faculty member for UMES received the Emerging Leader Award at the ITEEA conference.



UMES Well Represented at the ITEEA Conference

On March 2-4 T&E students, faculty, and administrators from UMES participated in the 78th annual International Technology and Engineering Educators Association (ITEEA) Conference in Washington, D.C. This was an invaluable experience for students to network with teachers, school system supervisors, and other university students. The highlight of the conference for students was the STEM Showcase where they received materials for successful lessons and activities. Students also enjoyed the Technology and Engineering Education Collegiate Association (TEECA) competitions and awards banquet. This has inspired them to start a TEECA chapter to compete next year. Dr. Thomas Loveland (Graduate Program Coordinator) was the chair of the conference planning committee. UMES sponsored the FTEE Spirit of Excellence Breakfast where Dr. Derrek Dunn (Chair of the Department of Technology) introduced Dr. Ayodele Alade (Dean of the School of Business and Technology) to deliver the keynote address. This was an inspiring event and helped showcase UMES on an international level.



The new STEM building on campus

Summer PD Opportunities at UMES



EngD: July 18-22, 2016

Engineering Design
Capstone course for high
school teachers. Register
[here](#).

I&I: July 25-29, 2016

Invention and Innovation
course for middle school
teachers. Register [here](#).

**Both will be offered in the
new STEM building. **Please
reserve your seat using the
links above.***

Featured Student



Joel Flores

Joel joined the program this semester and brings a wealth of technical knowledge from his service in the military. He has served in numerous countries. We are excited to have Joel join us!



Crab Boat Engineering Challenge a Success!

UMES facilitated this inaugural engineering design challenge on April 23rd to promote STEM-literacy across Maryland. The event took place at the University of Maryland Center for Environmental Science and was sponsored by the U.S. Army and Kelvin Educational. It was featured on WMDT 47 and in *PropTalk* magazine. All participants received an event shirt and lunch prepared by Worcester Technical High School's Culinary Arts Program. The award plaques were manufactured by UMES T&E education students in collaboration with Dale Krantz of Stephen Decatur High School. This competition was FREE for participating schools. It required students to design and construct a remote controlled scaled model of a Chesapeake Deadrise crab boat. Teams were judged on their boat design proposals, a written report showing calculations and discussing environmental impacts of crabbing, their boat's performance, and their response to judges' questions at the event. Queen Anne's County HS was crowned the champion and also received the award for best design, Stephen Decatur HS was the runner up. To view pictures and a video of the event please visit the UMES T&E [website](#). Thank you to everyone who helped make this event a huge success!

