

# FROM THE HAWK'S NEST

Official Newsletter of the UMES Technology & Engineering Education Program

## Articulation Agreements Approved!

Articulation agreements between UMES and the following parties have been approved: MSDE, DDOE, College of Southern Maryland. Proposals are currently being reviewed by CCBC and Harford CC. Please visit [here](#) for more details.

## Students and Faculty Present at Conferences

Cory Brown, Jonathan Moore, and Dr. Tyler Love presented about the program's mini drone project at the UMES Leveraging Sustainability and MAST/TEEAM conferences.

## Featured Publication

Computer Science and Technology and Engineering Education: A Content Analysis of Standards and Curricular Resources.

By: Tyler Love and Greg Strimel, in press, The Journal of Technology Studies. Read the full article [here](#).

## Faculty Member Promoted and Tenured

UMES President Dr. Juliette Bell has promoted Dr. Tyler Love to Associate Professor and granted him tenure. Dr. Love, a



UMES alumnus, has published over 25 journal articles and presented at numerous state and national conferences. He is nationally recognized as a specialist in STEM laboratory safety and serves as the Editor for ITEEA's Safety Spotlight articles.



## Crab Boat Engineering Challenge Grows to 50 students!

UMES facilitated the 2nd annual Eastern Shore Crab Boat Engineering Design Challenge on April 28th to promote STEM-literacy across Delmarva. It was featured on the WMDT 47 news, in a number of newspapers, the ITEEA journal, and *PropTalk* magazine. All participants received a crab boat keychain and lunch. Award plaques were manufactured by UMES T&E education students using the new laser engraver. This competition was FREE for participating schools. Event pictures and videos are available on the Crab Boat Competition [website](#). Please contact [Dr. Love](#) if interested in participating in 2018!



## UMES Students and Faculty 3D Print Wind Turbines for MERIT Collaborative Outreach Project with Delmarva Power



Over the course of the semester T&E education students and Dr. Tyler Love have been working with the MERIT program of Seaford, DE to teach at-risk students about 3D printing. Students

used 3D software to design the blades, then printed and tested them with the help of engineers from Delmarva Power.

## Computer Science/ Engineering Design Workshops were a Success!



Joel Tomlinson (Electronics Professor), Cole Chesser (Electronics student), and Dr. Tyler Love delivered engaging Raspberry Pi workshops to 40 teachers from Baltimore and Wicomico Counties in April.

## Service Project



### *Students Design and Build Flag Cart for International Studies*

Students in the Manufacturing and Construction Tech class designed and built a cart for the 110 flags from UMES's International Studies office. Read the full story [here](#).

### *Featured Student*



### **Jonathan Moore**

Mr. Moore earned an A.A. degree in Secondary Education from Cecil College and presented at the TEEAM conference in 2016. Jonathan has passed all of his Praxis exams and will be student teaching this fall!



## UMES Students, Alumni, and Faculty Receive Awards

### *State and International Awardees Recognized*

#### TEEAM Awards:

- Advocacy Award: **Larry Ryan** (Adjunct & Alumni)
- Undergraduate Scholarship: **Jonathan Moore** (Student)
- Leadership Award: **Dr. Tyler Love** (Faculty)
- HS Teacher of the Year: **Melvin Gill** (Adjunct & Alumni)
- MS Program of the Year: **Charles Evans** (Alumni)
- Graduate Scholarship: **Kevin Koperski** (Student)

#### ITEEA Award:

- Dr. Gerald Day Peer-Reviewed Article Award:**  
**Dr. Tyler Love and Larry Ryan**

## UMES Students and Faculty Judge Delaware's TSA Competitions



Pictured from left to right: Cory Brown, Jonathan Moore, Joelle Sherman, Dr. Tyler Love, and Lajag Johnson-Goolesby helped to judge numerous Delaware TSA state competitions at the Harrington Raceway and Casino on April 26<sup>th</sup>. Over 700 K-12 students participated in the competitions.

