TED FACULTY GOOD NEWS ITEMS DURING 2008-09

Daniel Engstrom, Associate Professor

PUBLICATIONS
• Wrote *Riding the Elementary TIDE* (Technology, Innovation, Design, and Engineering) for the International Technology Education Association (with Katherine Weber). Riding the Elementary T.I.D.E. is a project developed for students in grades two and three. Each unit focuses on a different facet of the acronym TIDE (Technology, Innovation, Design, and Engineering). The units are each about three hours long and contain background material for the teacher as well as an age-appropriate design challenge for the students. The units are: The GREEN Mission, The Garden Gadget Gala, Technology in a Bag, Investigative Minds. Funding for the units was provided by the National Education Association.

SPECIAL ACHIEVEMENTS & AWARDS
• Installed as the 2009 TEAP President Elect at the TEAP Conference on Nov 7

Glenn Hider, Professor

SPECIAL ACHIEVEMENTS & AWARDS
• Received an award on behalf of the Technology Education program on their outstanding and consistent Outcomes Assessment model at the Symposium luncheon on April 9.

Laura Hummell, Associate Professor

PRESENTATIONS
• Had two proposals accepted for the IU13 STEM Academy for Educators to be held August 5-6, 2009 in Lancaster, PA. Dr. Hummell’s first presentation will cover how educators using a variety of children’s and young adult literature can incorporate literature in STEM courses. Her second session will demonstrate STEM connections between emerging technologies that affect the human body. Topics to be explored include medical inventions/innovations, agriculture, biotechnology, and smart fabrics.

SPECIAL ACHIEVEMENTS & AWARDS
• As a member of the Technology Student Association Competitive Regulations Committee (TSA CRC), I attended the annual TSA CRC meeting in Baltimore, Maryland, Oct 2-5 to help revise the current middle school TSA competitive events guide and prepare for the upcoming national TSA conference. The national TSA CRC facilitates the national conference from June 28-July 2, 2009 in Denver, Colorado. Dr. Hummell is also managing five middle and high school TSA events including the new high school event, Fashion Technology Design Challenge. The event, which she co-wrote with North Carolina Department of Public Instruction Technology Education adults’ books can connect STEM concepts to literature in elementary consultant Tom Shown, will be introduced to high school TSA members beginning in spring of 2009.
• Nominated to National TSA Board of Directors as the Board’s university representative for the next three years
• Chairing the ITEA Task Force #3 Committee addressing “creating a presence for STEM and TED in every school” by establishing criteria and promotional materials
• Working with community volunteers and Charleroi Middle School faculty from the science and applied arts departments to continue work on the outdoor learning facility and fitness trail around the Charleroi Middle/High School campus

John R. Kallis, Professor

PRESENTATIONS
• Presented "Teaching STEM Concepts with Agile Robotics" at the 71st Annual ITEA (International Technology Education Association) Conference held in Louisville, Kentucky on March 25, 2009.
• Presented "Robotics Outreach at California University" at the 2nd Annual International Robotics Educators Conference. Carnegie Mellon University Robotics Academy hosted the event on Thursday, August 7 through Friday, August 8 in the Science and Technology Building on BC3 main campus. Over 100 robotics educators and administrators from around the world will gather to learn cutting-edge strategies and real-world techniques to teach Science, Technology, Engineering and Math (STEM) concepts in the classroom

SPECIAL ACHIEVEMENTS & AWARDS
• Received "The Distinguished Service Citation", Board of Directors, Epsilon Pi Tau, the International Honor Society for Professions in Technology, Epsilon Pi Tau Exemplary Ceremony, March 25, 2009
Stanley A. Komacek, Professor

GRANTS
- PI & Director, Advanced Manufacturing in PA: Establishing Foundations for Education & Career Pathways, Middle School through College, funded by the NSF’s Advanced Technological Education Program under Grant No. DUE-0603367, $810,000 over three years, 2006 - present
- Site Director, Robotics and Rapid Prototyping Workforce Leadership Project, subcontract from PMI with PA Dept. of Community and Economic Development funding, $23,500 over two years, 2006 - present
- Director, Robotics Technology Workforce Leadership Project, subcontract with The Technology Collaborative with PA Dept. of Community and Economic Development, $177,000, 2005 – present

SPECIAL ACHIEVEMENTS & AWARDS
- Recognized for grant writing efforts during the Cal U Grant Writers Recognition Ceremony on Nov 11.
- Serving on the Steering Committee of the Southwestern Pennsylvania STEM Network as part of the PA STEM Initiative. The group is meeting each month through June to help formalize the state's long-range plan for STEM education and workforce development.

Mark Nowak, Professor

SPECIAL ACHIEVEMENTS & AWARDS
- Coordinated the 15th Annual Cal U Alumni Reception during the 2008 TEAP Conference, Nov 6. Over 130 people attended, including more than 70 alumni, 30 Cal student teachers, Cal U Director of Planned Giving Gordon Core, and Cal U Director of Alumni Relations Amy Lombard
- Outstanding Service Award, Cal U Industrial Arts/Technology Education Alumni Society, October, 2008

Katherine Weber, Instructor

PUBLICATIONS
- Wrote Riding the Elementary TIDE (Technology, Innovation, Design, and Engineering) for the International Technology Education Association. Riding the Elementary T.I.D.E. is a project developed for students in grades two and three. Each unit focuses on a different facet of the acronym TIDE (Technology, Innovation, Design, and Engineering). The units are each about three hours long and contain background material for the teacher as well as an age-appropriate design challenge for the students. The units are: The GREEN Mission, The Garden Gadget Gala, Technology in a Bag, Investigative Minds. Funding for the units was provided by the National Education Association.

WORKSHOPS
- Was selected to be on the Leadership Team of the PA National Girls Collaborative Project. She attended a National Girls Collaborative Collaboration Institute in Philadelphia on Jan 23.

PRESENTATIONS
- Was invited to attend the Design Team meeting for the PA STEM Initiative on February 26 to give an update on the PA STEM Girls Collaborative Project. Also, Katherine was approached by Waukesha School District (Wisconsin) to give input and guidance on the design and development of an Elementary STEM School initiative. The administration is seeking funding to establish an elementary STEM School

SPECIAL ACHIEVEMENTS & AWARDS
- Assisted in coordinating the PA STEM Girls Collaborative Project Kickoff conference. She will also be introducing the key components of the collaborative and the partnership to the National Girls Collaborative Project to the attendees at the conference

Peter Wright, Professor

SPECIAL ACHIEVEMENTS & AWARDS
- Students in TED 705 Sustainable Development attended the meeting of the Menallen Elementary Courtyard Learning Project. Paul Beard, Brian Anderson, and Michael Grubbs attended on August 11 to share their planning results for the Menallen Courtyard Project. Students designed a walkway, outdoor stage, butterfly garden and fitness trail and developed detailed cost estimates, a portable project map, and a Power Point that can be used in fundraising. Low maintenance, durability and sustainability were three of the main criteria used in the design. Four teachers from Menallen Elementary School including organizer, Michelle Komacek, attended the meeting with the school Principal.
- Was installed as the 2009 President of TEAP during their annual conference in Camp Hill on Nov 7.