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WMU Students Impress at the 2014 TAPPI Student Summit

A group of 35 WMU Engineering Students from Paper Engineering, Chemical Engineering, Graphic and Printing Science, and Mechanical Engineering and Kate Miller who is the Student Recruitment and Outreach Officer for Paper Engineering at WMU, attended several workshops and presentations at the 2014 TAPPI Student Summit. There was an Engineering Competition that the group of students from Western Michigan University dominated and the consensus was that the competition was the student’s favorite part of the trip. To see more about the competition and summit visit: [TAPPI Student Summit](#).

There were several job offers which resulted in only a few remaining WMU freshman still looking for jobs next summer. Employers sought out Kate Miller to offer compliments on how they were so impressed with how well prepared our students were. Kate shared comments from Nicole, a Mill Manager from Voith who said she can always tell a Western Student before she even looks at their resume based on the attire and confidence. Bob from Mica Corporation indicated he “couldn’t believe he was interviewing freshmen”, he said the “WMU freshmen were comparable to the other schools upper class students from a preparedness and course experience standpoint”. Phil Slesinski, a WMU Alumni now doing the interviewing for International Paper indicated our students “Absolutely stood out from the other schools.”

The WMU group was able to experience industry field trips were described as phenomenal, they were able to tour two RockTenn facilities (Board Plant and Box Converting Plant) as well as a SAM Pilot Coating facility that has only been open for a couple of months. Kate communicated how thankful she was for all the support from so many generous contributors both financially and otherwise, she included a special thank you to the Paper Technology Foundation for the financial support. Miller stated that, “Trips like these change lives and it is so wonderful to be able to offer these experiences to our students.” The event was hosted by the State University of New York’s College of Environmental Science and Forestry, where they happen to have a new Biomass boiler, that generates 25% of the electrical and 65% of the thermal power for the entire campus using wood pellets. To learn more about the boiler visit: [Biomass Magazine](#).

Margaret Joyce is Recognized by IPC

Dr. Margaret Joyce will be receiving a Special Recognition Award from IPC at the [IPC APEX EXPO 2014](#) in March in recognition of her leadership in Printed Electronics and exemplary guidance in creating IPC’s Educational Outreach. This award will be presented to Dr. Joyce at the IPC awards luncheon on Wednesday March 26 at the Mandalay Bay Convention Center. Thousands of industry professionals from more than 50 countries attend this premier event— featuring advanced and emerging technologies in printed board design and manufacturing, electronics assembly, test and printed electronics! The event provides exposure to new suppliers with new solutions and the chance to connect with colleagues from around the world. For more information visit: [IPC, Association Connecting Electronics Industries](#).
### Upcoming CEAS 2014 Summer Camps

**Advanced Technology Experience at WMU:**

Monday, June 23, 2014 through Friday, June 27, 2014. Friday is 9:00 am - 4:30pm.

Are you a "thinker," yearning to be a "creator"? Get your hands on innovative technology and design and create new objects using a 3D printer. You will not only spend time in the lab, but also in the field as you explore local innovators at Landscape Forms. With a focus on materials science, manufacturing, mechanical engineering, medical engineering and nanotechnology, participants will have memorable experiences that could spark ideas for up and coming technology. If you are looking for a one of a kind summer experience, this is the camp for you. This full-day camp for students entering 7th through 9th grade will be located at Western Michigan University's Engineering Campus, and taught by University engineering professors. There is no other camp like this in the Kalamazoo area, and there are only a handful of spots available, so register right away. Contact Kathryn Bishop at Kazoo School at: kbishop@kazooschool.org, or call 269-345-3239.

- **Program and Energize Your Own T-Shirt: Microcontroller E-Textiles:**
  
  Monday, June 23, 2014 through Friday, June 27, 2014. Friday is 8:30 am - 12:30pm.

  This week-long, half day camp will introduce students to microcontroller programming, sensors and microcontroller interfacing. E-Textiles are capturing people's attention around the world. It's a new way to “sew” electronics into clothing for a range of applications. In this camp, you will use conducting thread and a special microcontroller (the Lilypad Arduino) to make an article of clothing come alive. As part of this you will be learning: the basics of electricity, how to connect sensors to a microcontroller, and basic microcontroller programming to run lights and sound. The week will culminate in a fully operational e-textile enabled item of clothing which students will take home. No previous experience with electrical circuits or programming required.

- **Introduction to Video Game Programming, Computer Science camp:**
  
  Monday, July 7, through Friday, July 11, 2014, and Monday, July 14, through Friday, July 18, 2014 from 1-4:30pm.

  The course will be based on the visual programming tool called GameMaker. Students will be taught the basics of game programming using a tool that has a drag and drop interface, allowing students to create programs without learning programming language syntax.

- **The Sky is Not the Limit, Aerospace Engineering camp:**
  
  Monday, August 18, 2014 from 9am - 4:00pm, through Friday, August 22, 2014. Friday is 9am - 2:00pm.

  This camp will introduce students to the field of aerospace engineering through a week of fun, hands-on exploration activities. In morning sessions, the students will experience the full process of designing and executing a robotic space mission: target selection, science objectives definition, spacecraft design, launch planning, and mission control. In afternoon sessions, the students will engage in active learning activities related to the broader field of aerospace engineering, includ-

### Upcoming CEAS Events

**Engineers Week 2014 Features “Adventures in Light Jet Aircraft Development” Presentation**

53rd Annual Engineers Week Dinner on **Tuesday, February 18, 2014** at the Fetzer Center on the campus of Western Michigan University. Social hour starts at 5:30 p.m.; dinner will be served at 6:30 p.m., followed by the program at 7:30 p.m.. For further information, please visit: [Engineers Week](#)

**Research Poster Competition**

April 15, 2014. For more information [click here](#).