



# AMERICAN SOCIETY FOR ENGINEERING EDUCATION

## ILLINOIS/INDIANA SECTION



## Conference Heads to Western Illinois U. Quad Cities

For the first time in over a decade (Northern Illinois U. in 2005), the Illinois/Indiana Section crosses the state border to hold its annual conference on the banks of the Mississippi River at WIU-QC's recently constructed Riverfront Campus in Moline, Illinois.

The School of Engineering at WIU-QC is the most recent ABET-accredited engineering program in Illinois, offering specialization in mechanical, civil, computer-electrical, manufacturing-quality, materials engineering, and engineering management.

The section conference runs all day on Saturday, April 9, 2016, and includes faculty papers and student posters. Cinda Heeren, lecturer in Computer Science at University of Illinois Urbana-Champaign, the 2015 ASEE IL/IN Outstanding Teacher-of-the-Year, will deliver the keynote speech at lunch.



Another noteworthy event is the breakfast and session on "Improving Student Results with Adaptive Learning Tools," sponsored by McGraw-Hill Engineering, located in Moline.

Finally, conference attendees will have an opportunity to tour the U.S. Army Arsenal to view 3D printing of metal parts, friction stir welding, Spark Plasma Sintering, and other advanced manufacturing processes immediately after the conference. Attendees need to reserve a seat and provide information at least one month in advance. More information will be available later.



The Grand Atrium (above) in the main WIU-QC complex building on the Riverfront Campus will be the site of the ASEE IL/IN 2016 conference.

| Papers  | Due Dates         |
|---|-------------------|
| Abstract Submission Due                                     | December 4, 2015  |
| Abstract Acceptance Notification                            | December 18, 2015 |
| Full Manuscript Due   | February 8, 2016  |
| Reviews to the Author(s)                                    | February 29, 2015 |
| Final Manuscript Due  | March 14, 2015    |
| At least one author must complete a conference registration | March 14, 2015    |

### In This Issue

- **2016 conference information**
- **Highlights of the 2015 conference**
- **Chair's message**
- **Contacts & 2017 zone conference**

# Highlights from ASEE IL/IN 2015 at IPFW

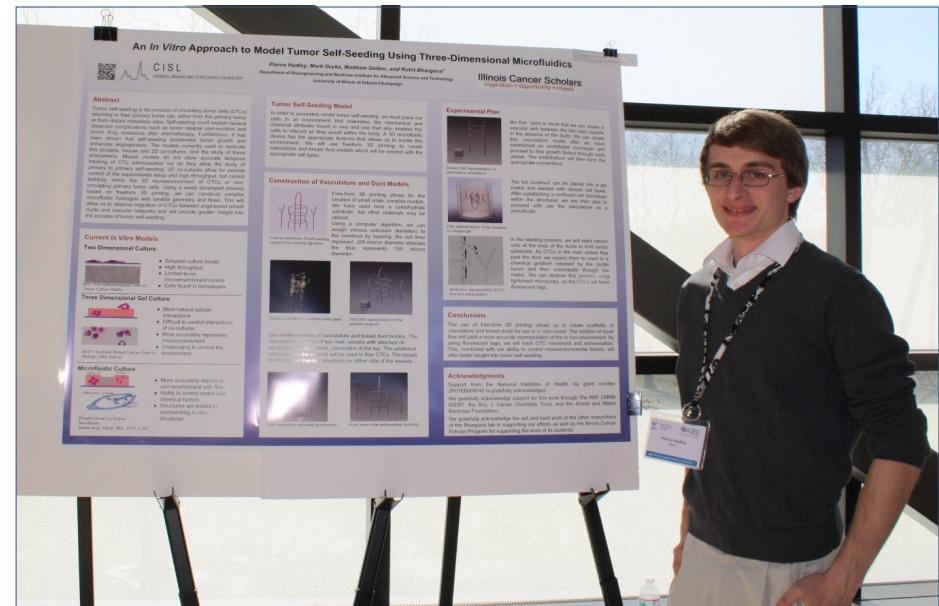


IPFW professor **Don Mueller, Jr.**, (left) received the award for outstanding paper for "Sustainable Energy Sources and Systems: Course Description and Projects."

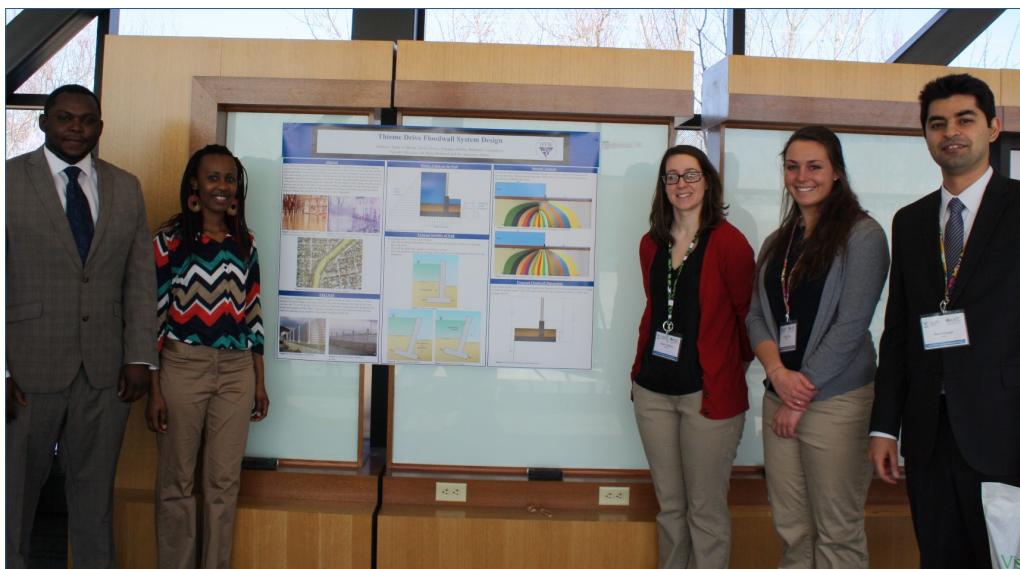
Keynote **Mark Budnik** (right), of Valparaiso University, 2014 IL/IN outstanding teacher of the year, discussed "Engaging Engineering Students Through Play."



University of Illinois Urbana-Champaign graduate student **Pierce Hadley** (right) stands by his winning poster, "An In Vitro Approach to Model Tumor Self-Seeding Using Three-Dimensional Microfluidics."



Undergraduate poster winners (below, from left to right) **Amadou Sidibe, Deborah Uwamahoro, Jamie Coffman, Emily Gross, and advisor Dr. Ahmadreza Hedayat** from IPFW display their poster entitled "Thieme Drive Floodwall System Design."



## Other 2015 Section Award Winners

—**Ashley Bernal**, Rose-Hulman, Campus Representative of the Year

—**Cinda Heeren**, University of Illinois Urbana-Champaign, Outstanding Teacher of the Year

## Get Involved with ASEE IL/IN!

Volunteer to be a campus representative for your institution or become a section officer.

To learn more, contact

Tom Trusty

trustyt@trine.edu

Office phone:  
260-665-4266

Friends,

Greetings from Trine University in Angola, Indiana. If I have not had the opportunity to speak with you, let me introduce myself: I am Tom Trusty, your Section Chair. After serving the past two years as Vice-Chair, I am now pleased to serve the section in my new role. I already know many of you, and I am looking forward to having the opportunity to meet many more of our members during my two-year tenure as Chair.

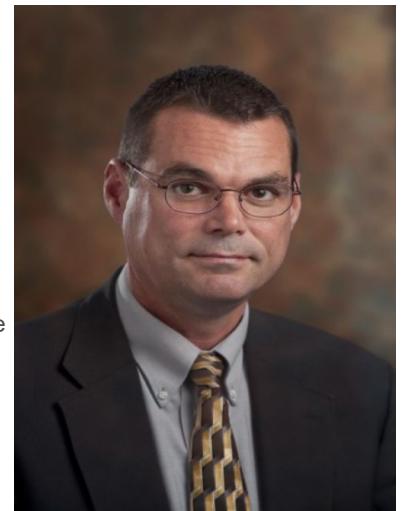
This past spring was an exciting one as our annual conference was held on the campus of IPFW, where I visited with many of you who attended the Opportunity Banquet and were treated to an excellent presentation by NASA astronaut Robert Lee "Hoot" Gibson. There were many excellent papers presented, and the student poster session was an excellent showcase which demonstrated the high level of quality education those in our section continue to provide students. I would also like to offer congratulations to all of the very deserving conference participants who were chosen for awards.

The annual business meeting was held at the spring conference, and a new Vice-Chair and Treasurer were elected. Please join me in welcoming Jamie Canino (Vice-Chair) from Trine University and Khaled Zbeeb (Treasurer) from Western Illinois University.

I am excited to say that the 2016 section conference will be held at the Quad Cities campus of Western Illinois University. I had the privilege of traveling there recently for our board meeting, and I must say they have an excellent facility with a beautiful view of the Mississippi River. I will also note there is an excellent walking/running/biking path along the river for those of you who are staying over and want to enjoy that as well. It is great to have the conference being hosted in Illinois this year after several years in Indiana. Abstracts are currently being accepted, and I encourage you to get involved by presenting and attending at this conference. I also encourage you to get your students involved in the poster session. This is an excellent way for them to present senior design and other research projects, while getting constructive and interactive feedback from those attending the conference.

I would like to review the many annual award opportunities offered by the section that are recognized at the conference. Remember, you must be a member of the ASEE and the Illinois-Indiana section to qualify, so get your renewals processed! The conference recognizes Best Paper and Best Student Posters with awards. To determine the Best Student Poster, the posters are judged on the quality, the significance of the work, and the ability of the presenters to convey their work and its significance to a selection committee. For the Best Paper award, which includes a \$250 stipend, a set of papers from the conference proceedings is nominated by the reviewers and the program chair. The Awards Committee reads each paper and attends the presentation of each of these nominated papers. The selection is based on both the written manuscript and the presentation. In addition, the section presents the following section awards annually: Outstanding Campus Representative, Outstanding Service, and Outstanding Teacher. The Outstanding Campus Representative is selected based on the work s/he does to promote and serve ASEE as outlined in their annual report. Outstanding Service is determined by the section awards committee from those who are nominated and have given significant service to the section. To apply for the Outstanding Teaching Award, which includes a \$750 stipend, you must follow the guidelines as presented on the national ASEE website and submit the electronic nomination form. The guidelines are noted here: ([http://www.asee.org/member-resources/awards/full-list-of-awards/section-awards#Section\\_Outstanding\\_Teaching\\_Award](http://www.asee.org/member-resources/awards/full-list-of-awards/section-awards#Section_Outstanding_Teaching_Award)). The Awards Committee reviews the nominations and selects what it considers the most notable. The recipient agrees to present a keynote topic of their choosing at the following year section conference. If you know of someone deserving of this honor, please nominate that individual.

(continued on next page)



(Chair's Column continued from previous page)

If this will be your first time at a section conference, it is a much more intimate setting than the national conference. It is a great place to network and get feedback on your ideas. If you don't present a paper or a poster, there is still much to gain from attending the presentations and learning innovative ideas that you can use to enhance your teaching skills.

If you are interested in learning about becoming more involved in the section leadership and guidance, I encourage you to let me know.

I look forward to seeing you all in April at WIU!

*Tom Trusty*

## ASEE IL/IN Officers (2015-2016)

| Name           | Position                      | Institution            | Email                        |
|----------------|-------------------------------|------------------------|------------------------------|
| Tom Trusty     | Chair & webmaster             | Trine                  | trustyt@trine.edu            |
| Jamie Canino   | Chair-Elect                   | Trine                  | caninoj@trine.edu            |
| Carmine Polito | Past Chair & awards           | Valparaiso             | Carmine.Polito@valpo.edu     |
| Gary Steffen   | Section Campus Representative | IUPUI Fort Wayne       | steffen@ipfw.edu             |
| Khaled Zbeeb   | Treasurer                     | Western IL Quad Cities | K-Zbeeb@wiu.edu              |
| James Hanson   | Secretary                     | Rose-Hulman            | James.hanson@rose-hulman.edu |
| Joanne Lax     | Newsletter editor             | Purdue W. Lafayette    | jjax@purdue.edu              |

Ever wonder why the colors of the newsletter changes with each issue?

The theme colors come from the official colors of the university where the upcoming conference is being held.

According to the WIU website, the "...school colors date back to the opening year of the Western Illinois Normal School in 1902-03. First-year student Mary Jarvis, inspired by the surrounding 'vast golden prairie strewn with purple coneflowers,' suggested the combination for a schoolwide contest." Since 2000, April 24 has been officially designated as "Purple and Gold Day."

March 2017

**SAVE  
THE  
DATE**

Plans are being made to hold a Zone II conference at the Caribe Hilton in San Juan, Puerto Rico, March 1—5, 2017. The Zone II conference would be in lieu of a 2017 IL/IN Section meeting.

Zone II has not held a conference since 1988 (at the University of Louisville). In addition to our section, Zone II includes the North Central and South Eastern sections.

More information to come...

