



# American Society for Engineering Education Illinois/Indiana Section Newsletter

Issue #4

November 2010

## 2011 Conference Highlights:

- ⇒ ASEE IL/IN 2010 Outstanding Teacher, John Torkelson, will speak
- ⇒ Workshops for faculty, K-12 teachers, undergrads
- ⇒ Best Student Paper award for paper on sr. design projects or research experience

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## ASEE IL/IN Combines Forces with ASEE North Central for 2011 Conference at Central Michigan University

### “The Role of Engineering Education in an Evolving Global Community”

Central Michigan University in Mount Pleasant, Michigan, will be hosting the 2011 joint conference between ASEE North Central and ASEE IN/IL on April 1-2. The North Central section of ASEE's geographic Zone II consists of educational institutions in Michigan (except for the Upper Peninsula), Ohio, West Virginia, and the extreme western part of Pennsylvania. Kumar Yelemarathi of Central Michigan and Marcelo Caplan of Columbia College in Chicago are the co-chairs of the conference.

The 2011 conference will begin with concurrent sessions at noon on Friday, April 1, and conclude with the awards banquet from 6:00 to 8:00 p.m. on Saturday. All workshops will be held on Friday, and Saturday will feature more concurrent sessions and poster and exhibit displays.



John Torkelson, Walter P. Murphy Professor of Chemical and Biological Engineering and Materials Science and Engineering at Northwestern University in Evanston, IL, and ASEE IL/IN 2010 Outstanding Teacher Award winner, will make a presentation at the conference.



For information about Central Michigan University (its official colors provide the color scheme for this issue of the newsletter), including location, driving directions, and local attractions, go to <http://www.cmich.edu/Visit.htm>



**Call for Papers:** <http://www.et.cmich.edu/asee>

### Important Conference Deadlines

- ⇒ **12/24/10** Paper Abstract Submission Due
- ⇒ **1/01/11** Abstract Acceptance Notification
- ⇒ **2/01/11** Draft Paper Due
- ⇒ **3/01/11** Workshop Proposal Due
- ⇒ **3/04/11** Paper Acceptance Notification
- ⇒ **3/15/11** Final Paper Due

Mark your calendars:  
April 1-2, 2011



## 2010 ASEE IL/IN Conference Photo Highlights



David Radcliff, Interim Head of the School of Engineering Education at Purdue University (left) and William Oakes, chair of the ASEE IL/IN Section 2010 Conference and Assoc. Prof. of Engineering Education at Purdue University (middle), welcome participants at the luncheon. ASEE Past President Sarah Rajala, Dean of Engineering at Mississippi State University (right) was the keynote speaker at the conference.

## 2010 Section Awards



ASEE IL/IN Chair Carmin Polito congratulates section Secretary and Webmaster Mark Johnson, Purdue University, as the winner of the 2010 Outstanding Service Award.

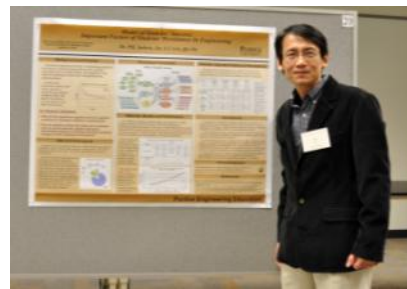


J. Bruce Elliott-Litchfield, University of Illinois at Urbana-Champaign, was named 2010 Outstanding Campus Representative.

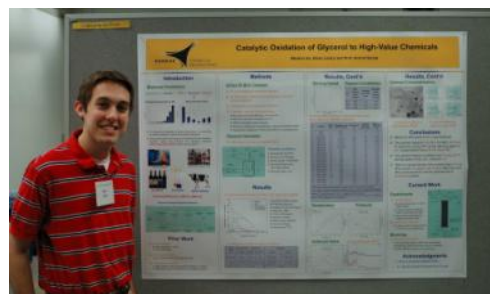


Prof. Scott Post of Bradley University (above) won the best paper award for "Group Design Projects." You can read it: [Illinois Indiana Section 2010 Best Paper.pdf](#)

## 2010 Conference Awards



Joe Lin, Purdue University, won first place in the graduate division for his poster, "Model of Students' Success: Important Factors of Students' Persistence in Engineering."



Brian Lowry, Purdue University, won first place in the undergraduate division for his poster, "Catalytic Oxidation of Glycerol to High-Value Chemical Dihydroxyacetone."

For additional photos from the 2010 conference, go to [www.liln.asee.org](http://www.liln.asee.org)

## From the Zone Chair:

The 2010 ASEE Annual Conference and Exposition was a great opportunity for learning, sharing, and catching up with old friends. Nearly 2000 engineering and technology educators gathered in Louisville, Kentucky to participate in the conference, which included over 1600 papers.

Several board members of the Illinois/Indiana section gathered at the Zone II breakfast on Tuesday morning. There, we met with the board members of the other two sections in Zone II, the North Central

section and the Southeast section. As a result of that conversation, it was agreed that the Illinois/Indiana section and the North Central section would co-host a joint section conference at Central Michigan University on April 1-2, 2010. Several years ago, we co-hosted a joint conference of the two sections at IPFW, which was very successful and well-attended, and we're hopeful that this joint conference will also be a great experience!

Please also consider attending the 2011 ASEE Annual Confer-

ence and Exposition in Vancouver, British Columbia. If you have never been to a national conference, it is a great opportunity to meet and talk to many people who share your love of engineering education. And if you have never been to Vancouver, it is a beautiful city surrounded by some of the most amazing scenery you will ever see.

I hope to see you at the section conference in March and at the national conference in June!

*Doug Tougaw*



Doug Tougaw is also the chair of electrical and computer engineering and The Frederick W. Jenny Jr. Professor of Emerging Technology at Valparaiso University in Indiana.

## From the Section Chair:

Dear Section Members,

Greetings from Valparaiso, Indiana. If we have not met, please allow me to introduce myself, I am Carmine Polito, your section chair. If we have met before, it is good to speak to you again. It has been a busy and exciting year in the section and the next year looks to be just as interesting.

This past spring saw our section conference held at Purdue University in West Lafayette. As a Purdue graduate, it was great to return to campus and see the improvements that have been made to campus since my last visit. The most obvious to me was the conference site itself, the new Armstrong Hall, which last time I was there was still a hole in the ground with structural steel rising out of it.

The conference itself was comfortable and intimate, a great opportunity to see old friends and plenty of chances to make new ones. The conference had about 80 participants, who presented nearly 20 papers, plus there were over 40 student posters, split between under-

graduate and graduate students. In addition to the paper and poster presentations, we had several panel discussions and the awarding of our annual awards. I would be amiss if I did not offer congratulations to all of this year's very deserving winners and a very sincere thank you to our conference chair Bill Oakes, Mark Johnson, Joanne Lax, and everyone else who made this great event possible.

The number of papers at this year's conference was down a bit from the previous few years, a fact I attribute largely to the national conference being held just across the river from our section in Louisville, Kentucky. If you didn't make it to this year's section conference, I strongly recommend that you make plans to attend the 2011 section conference, which will be held as a joint conference with the North Central section at Central Michigan University in Mount Pleasant, Michigan. This joint conference will be held on April 1<sup>st</sup> and 2<sup>nd</sup>, which means that for the sixth time in the last nine years former chair Doug Tougaw and I will get to listen to the NCAA basketball semifi-

nals in the car driving back from the session conference. I assure you that that is a small price to pay for what is sure to be a great conference.

If you've never been to a section conference, it is a great place to present a paper. It is much more relaxed and intimate than the larger national conferences, which makes it a great place to get feedback on your ideas. It is also a great chance for students to get valuable experience presenting their posters and make contacts with other students and faculty around the region. Even if you don't present a paper or a poster, the knowledge you'll get listening to the paper presentations and panel discussions will do wonders for your teaching skills; I know that they've certainly helped mine.

Well, the clock is rapidly moving towards evening, and your section chair still has an exam to write, so take care and hopefully I will see you in Michigan in April!

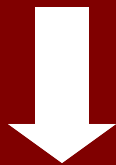
*Carmine Polito*



Carmine Polito gives the closing plenary as the 2009 ASEE IL/IN Section Teaching Award winner. His gave the talk "How to Win the ASEE Teacher of the Year Award (And Live to Tell About It)."



## Interested in participating in the ASEE IL/IN Section?



- Be a campus representative for your institution
- Become a section officer



To learn how you can volunteer, contact

**Sharon Sauer**

Rose-Hulman Institute of Technology  
Chemical Engineering  
5500 Wabash Ave.  
Terre Haute, IN 47803

Sauer@rose-hulman.edu

## Newsletter Editor's Column

If you recall, the 2009 issue of the newsletter was the first electronic issue, and we solicited responses to the new format by asking readers to email us "I Read Issue #3." In return, those 24 emails were entered in a drawing for a \$200 cash prize. The winner was Will Lindquist, assistant professor in the Reiners Dept. of Civil and Environmental Engineering at Trine University in Angola, IN.

Comments such as "Love the PDF version sent to my inbox," "Electronic newsletters are the way to go," and "Thanks for going green with the newsletter" convinced the section board that future newsletters should continue to be electronically distributed. For the reader who requested that the newsletters be archived on the ASEE IL/IN website—they are. You can access them at [www.llin.asee.org](http://www.llin.asee.org).

Finally, I'd like to take this opportunity to ask readers to suggest content or send in relevant news from your campuses for next year's newsletter. For example, in this issue I'm including the call for papers for several upcoming conferences that may interest some of our members (see below). Please contact me directly at [jlax@ecn.purdue.edu](mailto:jlax@ecn.purdue.edu) if you have some information you'd like publicized.

*Joanne Lax*

### ASEE IL/IN Officers (2010-2011)

Name	Position	Institution	Email
Carmine Polito	Chair	Valparaiso U.	carmine.polito@valpo.edu
Sharon Sauer	Chair-Elect	Rose-Hulman	Sauer@rose-hulman.edu
Gary Steffen	Past Chair & Awards Chair	IPFW	steffen@ipfw.edu
Richard Pfile	Section Campus Representative	IUPUI	rfile@iupui.edu
Eric Johnson	Treasurer	Valparaiso University	eric.johnson@valpo.edu
Mark Johnson	Webmaster & Secretary	Purdue U., West Lafayette	mcjohnso@purdue.edu

## Other Upcoming Conferences



### MSE 2011

8th IEEE International Conference on Microelectronic Systems Education  
June 4–6, 2011, San Diego, CA  
[www.mseconference.org](http://www.mseconference.org)

Paper Submission:  
January 7, 2011

**IEEE**  
Professional  
Communication  
Society

**October 17-19**  
**The University of Cincinnati**

[www.ieeepcs.org](http://www.ieeepcs.org)  
Abstract Submission: January 5, 2011



**ROSE-HULMAN**

**RosEvaluation Conference 2011**

April 17 - 19, 2011

Call for Proposals: December 8, 2010

Assessment for Program and Institutional Accreditation  
[www.rose-hulman.edu/irpa/conf/roseval/](http://www.rose-hulman.edu/irpa/conf/roseval/)