



ASEE
NORTH CENTRAL SECTION
Newsletter
DECEMBER 2016

EDITOR:

Roland Arter, The University of Akron

The Chair's Message

I hope everyone had a successful completion of last semester and start of this new semester. With the start of the new year, it is good to reflect on where we have been and where we are going with the ASEE North Central Section (NCS).

Our Treasurer, Andy Milks from The University of Akron has been busy working with headquarters to make sure our section is financially sound and he assures us that everything is fine and the section has a surplus of almost \$11,000. Thank you, Andy, for all your hard work. Also in the elections Andy will be moving to the vice chair and our new treasurer Gregory Harstine from The University of Akron will be our new Treasurer.

In addition to Gregory Harstine becoming the treasurer and Andy Milks becoming the Vice Chair, Ahmed Abdel-Mohti from Ohio Northern University and Jeff Kastner from the University of Cincinnati were elected as Directors. Karinna Vernaza from Gannon University is also stepping down as Vice Chair and moving into the Awards Chair position. Roland Arter from the University of Akron has retired as Secretary and Newsletter Editor. Roland has been serving the section in these positions for a number of years and was one of the key members of the board we

were lucky we have him and his vast experience on the board. Betsy M. Aller from Western Michigan University continues to serve the section as ASEE Campus Representatives Coordinator, and Kumar Yelamarthi from Central Michigan University continues as the Web Master.

The 2016 North Central Section Conference was hosted by Central Michigan on March 18-19, 2016, in Mt. Pleasant, Michigan and it was a great success. Kumar Yelamarthi was the 2016 Program Chair and put together a great venue for the conference. The conference had over 90 presentations and over 50 undergraduate student posters.

We are now getting ready for the Spring 2017 conference. This year the North Central Section is joining with the Southeastern and Illinois-Indiana sections to host the Zone 2 conference in San Juan, Puerto Rico. The conference is in San Juan, Puerto Rico from March 2 - 5. This is the perfect time of year to sit back and evaluate your courses for this past semester and attend the conference to get ideas on how to improve your courses. There is still time to have your students present their work in the student poster session, please encourage your graduate and undergraduate students to submit a poster to the conference.

On Thursday March 2 there will be a

number of interactive workshops that you can attend, plus a trip around the island to tour various popular stops on the island. Friday will be technical session, a key note presentation from the ASEE president, a student poster session and a graduate student recruitment fair where you can meet students from the main land and the island. Saturday has morning sessions, then free time to explore Old San Juan and tour the island. The conference ends Sunday with

Dan Budny, Chair
North Central Section ASEE

two morning sessions.

For more information see the conference details at zone2.asee.org

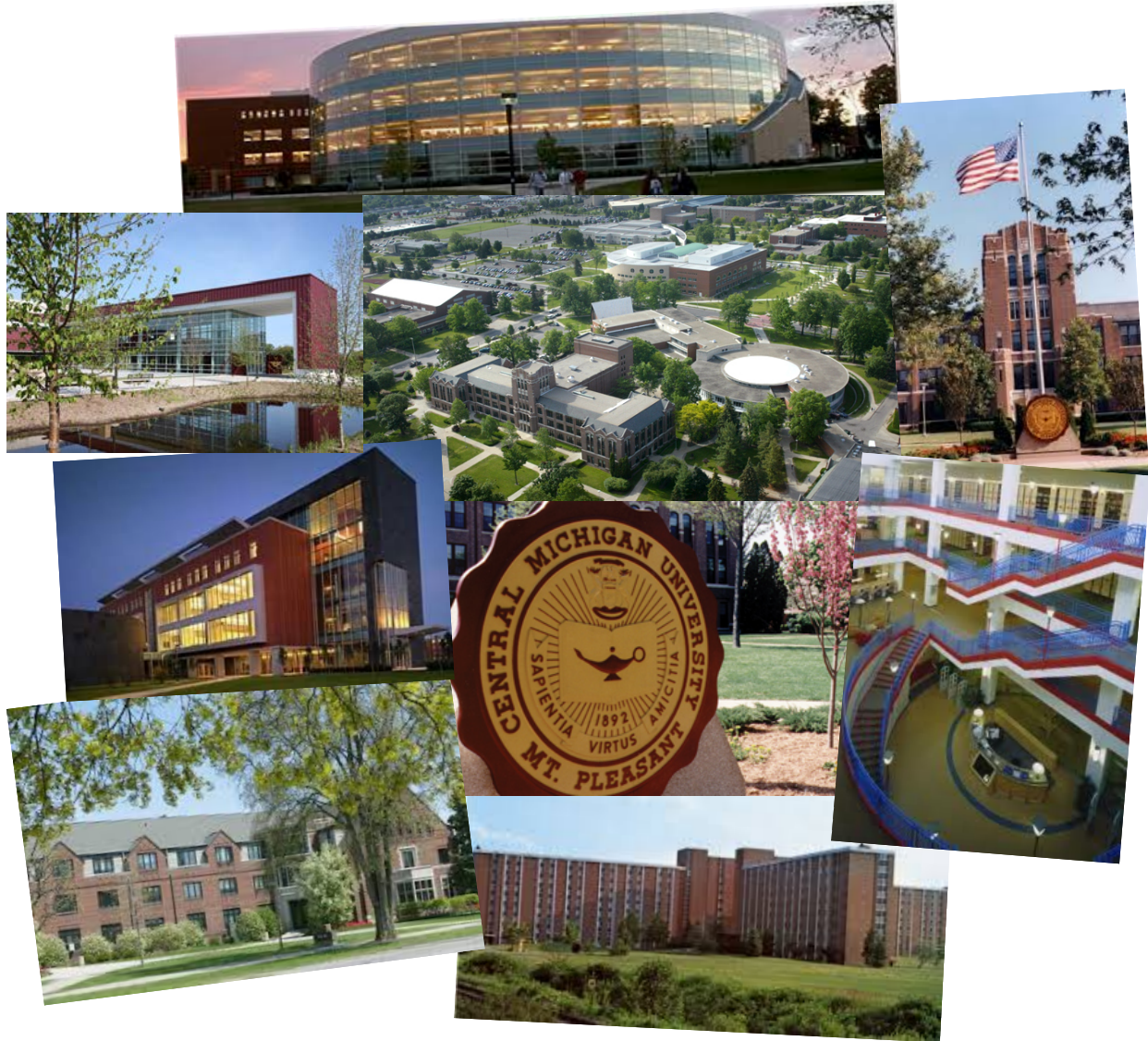
Finally, it might be a good time to mark your calendars for the up-coming ASEE events. This June our section is hosting the 2017 ASEE Annual National conference from June 25 - 28, 2017, in Columbus, Ohio. In 2017 instead of a sectional conference we will be part of the Zone 2 conference. So mark your calendars for March 1 - 5, 2017

Future Events

- ✓ March 1 - 5, 2017, ASEE Zone 2 Conference, San Juan, Puerto Rico
- ✓ June 2017, ASEE Annual Conference, Columbus, Ohio
- ✓ Spring 2018, ASEE, North Central Section Conference, The University of Akron, Akron, Ohio
- ✓ Spring 2019, ASEE, North Central Section, Grand Valley State University, Grand Rapids, Michigan



2016 American Society for Engineering Education, North Central Section Conference Review



**March 18 - 19, 2016
Central Michigan University
Mt. Pleasant, MI**

ASEE 2016 NORTH CENTRAL SECTION CONFERENCE CENTRAL MICHIGAN UNIVERSITY, MT. PLEASANT, MI

Presentations



Luncheon and Banquet



Luncheon and Banquet





2016 OUTSTANDING TEACHING AWARD



LEILA CUESSOUS (LEFT)

2016 OUTSTANDING CAMPUS REPRESENTATIVE AWARD



EUGENE V. CILENTO (RIGHT)

Paper and Poster Award Presentations



Stand-ins received awards for authors that were not present.



ASEE North Central Section 2016 Conference
Awards

Outstanding Teacher Award: Frank M. Croft, Ohio State University

Outstanding Campus Representative Award: Terri M. Lynch-Caris, Kettering University

Best Paper Award:

1st Place - Stephany Coffman-Wolph, Kimberlyn Gray, “Creating AWESOME: Faculty vs. Student Views for an Organization,” West Virginia University Institute of Technology

2nd Place - Craig Gunn, Tianyi He, Sheryl Suet Ying Chau, “Methods to Improve Student Learning in Statics and Dynamics Courses,” Michigan State University

3rd Place - Gregory Hickman, Michael Latcha, “Using PLC Based HMI System to Teach Power System Analysis,” Oakland University

Best Student Paper Award:

1st Place - Swaroop Joshi, Neelam Soundarajan, “Optimal Angle of Inclination for Fixed Solar Panels,” The Ohio State University

2nd Place - Quamrul Mazumder, Yang Zhou, Liwei Zhaw, Kenneth O'Brien, “Design and Development of a Transmission System,” University of Michigan-Flint

Best Student Poster Award:

1st Place - Katie Gaviglio, Shaun Shields, Andro Mondala, Andrew Kline, “Extraction of mineral-bound phosphates from runoff sediments using fungal exudates for nutrient recycling,” Western Michigan University

2nd Place - Andrew Holland, Anthony Morelli, “Gesture Based Authentication,” Central Michigan University.

3rd Place - Benjamin Boyd, Shawn Beyke, Rachmadian Wulandana, Hamed Attariani, Design and Experimentation of 3D-printed Tesla Turbine,” Wright State University

ASEE Zone 2 – 2017 Zone Conference



Providing essential engineering on the planet for all the people is our constant commitment. The numerous technologies and methodologies that bring improved quality of life through the engineering practices and education is the focus of this conference.

Authors are invited to submit full-length manuscripts for presentation at the conference and inclusion in its proceedings. Papers addressing the conference theme "**Engineering Everywhere for Everyone**" will have first priority and may also include additional topics related to engineering, curricula, learning, practices and development.

Papers will be accepted based on a peer review of manuscripts. Authors are expected to present their papers at the conference to facilitate the transfer of knowledge through discussion and debate. All accepted papers presented by a timely-registered author will be included in the conference proceedings.

SCHEDULE FOR SUBMISSION OF PAPERS

Friday, September 16, 2016	Begin Author notification regarding abstract acceptance
Friday, November 4, 2016	Manuscripts due from authors for review
Friday, December 2, 2016	Reviewed manuscripts returned to authors
Friday, January 6, 2017	Final manuscripts due from authors
Friday, January 20, 2017	Deadline for presenters to register for conference

Submit a 250-300 word abstract in doc, docs, or pdf file format by September 16, 2016. Details about the conference, guidelines for manuscript preparation, and the paper submission site can be found at www.zone2.asee.org

Contacts

Dan Budny, Program Chair, budny@pitt.edu

Barbara Bernal, Conference Site Chair, bbernal1@kennesaw.edu

Gary Steffen, Zone II Chair, steffen@ipfw.edu

Please visit the web site (www.zone2.asee.org) for the information about the Call for Workshops, the Call for undergraduate poster session and the Recruitment Fair.



- [Conference Overview](#)
- [Travel](#)
- [Program Schedule](#)
- [Registration](#)
- [Sponsors & Exhibitors](#)
- [Papers Management](#)

Join us for the 124th Annual Conference & Exposition! Where Engineering Education Takes Flight - From P-12 Through Life

June 25 - 28, 2017, Columbus, Ohio

The only conference dedicated to all disciplines of engineering education...

We are committed to fostering the exchange of ideas, enhancing teaching methods and curriculum, and providing prime networking opportunities for engineering and technology education stakeholders such as: deans, faculty members, and industry and government representatives.

The conference features more than 400 technical sessions, with peer-reviewed papers spanning all disciplines of engineering education. We look forward to welcoming you to Columbus.

Go to:

<https://www.asee.org/conferences-and-events/conferences/annual-conference/2017>



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