

June 2018

EDITOR:

Jeff Kastner, University of Cincinnati

The Chair's Message



Greetings from Erie, Pennsylvania! We have completed the 2017-18 academic year, and we are now in the middle of our 2018 summer activities. I want to take this opportunity to provide you with a brief "state of affairs."

Elections: The results of the 2018 elections for ASEE NCS Board positions were announced at the ASEE North Central Section Conference (NCS). Nicholas Baine (Grand Valley State University) was elected for a one-year term as Vice-Chair. Stefanos Papanikolaou (West Virginia University) and David Sanchez (University of Pittsburgh) were elected as directors for two-year terms. Mahender Mandala was elected as director for one-year term. We welcome our new Executive Board members and look forward to working together.

Officer Appointments: Andrew Milks (The University of Akron) was appointed Secretary. The complete list of our officers appears at the end of the newsletter.

Spring Conference: The spring 2018 ASEE NCS conference was held on March 23-24, 2018 at The University of Akron. The theme for the conference was *Engineering and Engineering Technology: Educating Together for a Better Future*. I want to thank our host and the co-chairs Andrew Milks and Mary Verstraete for making the conference a success. There were 21 faculty papers, 13 work-in-progress papers, 19 student papers, and 22 student posters. More details regarding the conference including pictures and awards are shown later in the newsletter.

Future Section Conferences: The Spring 2019 NCS conference will be held at Grand Valley State University in Grand Rapids, MI from March 22-23; the 2020 Spring conference will be hosted by West Virginia University; and the 2021 Spring conference will be at the University of Toledo. The ASEE NCS regional conference has been averaging more than 120 attendees each year, with 60 to 70 peer-reviewed paper presentations from undergraduate and graduate students and faculty. This conference is a great opportunity for you to present your scholarship and teaching as well as a chance for your students to present their work in a professional setting. As always, we strive to keep registration and other costs affordable. Please consider joining us next spring at Grand Valley State University for a great regional conference!

I will encourage you to become involved with ASEE by nominating your colleagues for the Section Teaching Award, participating in our section's regional conferences, and submitting your work and your students' work to the section conference. I hope you see you at the 2018 Annual Conference in Salt Lake City, Utah.

Best regards,

Karinna M. Vernaza, Ph.D.

Conference Review:

- ✓ Spring 2018: ASEE NCS conference in Akron, Ohio
 - See Pages 4 to 7 for detailed coverage

Future Events:

- ✓ Summer 2018: ASEE Annual Conference
 - Salt Lake City, Utah
 - See Page 8 for more Details
- ✓ Spring 2019: ASEE – North Central Sectional Conference
 - Grand Valley State University, Rapids, MI
 - March 22-23
 - See Page 3 for more details
- ✓ Spring 2020: ASEE – North Central Sectional Conference
 - West Virginia University, Morgantown, W.V.
- ✓ Spring 2021: ASEE – North Central Sectional Conference
 - The University of Toledo, Toledo, Ohio

Upcoming Deadlines:

- ✓ **Nominations** for the 2019 ASEE-NCS Outstanding Teaching Award
 - Now is the time to start thinking about who you would like to nominate.
 - Nomination packages will be due in January of 2019

Updated List of Executive Board Members:

- ✓ See Page 9

Congratulations to Betsy Aller! She is our ASEE NCS Campus Representative Coordinator and worked hard to ensure our section led the pack in report submittals. She will be presented with a certificate at the *Annual Campus Representatives Reception* at the ASEE annual conference in Salt Lake City, Utah.

Save the Date:
2019 ASEE - North Central Section Conference



Grand Valley State University
Grand Rapids, MI
March 22 – 23, 2019





Conference Review



Engineering and Engineering Technology: Educating Together for a Better Future

2018 American Society for Engineering Education
North Central Section Conference
Akron, Ohio
March 23-24, 2018

Program Co-Chairs:

Dr. Mary C. Verstraete

Interim Associate Dean for Undergraduate Studies
Associate Professor of Biomedical Engineering
The College of Engineering, The University of Akron

Dr. Roland Arter, P.E.

Professor Emeritus of Mechanical Engineering Technology
Engineering and Science Technology Department
College of Applied Science and Technology, The University of Akron

Andrew Milks, P.E.

Associate Professor of Electronic Engineering Technology
Engineering and Science Technology Department
College of Applied Science and Technology, The University of Akron



Dr. Roland Arter was recognized for his dedication and service to ASEE NCS during the Saturday Awards Ceremony. Roland recently retired from The University of Akron, and the time he served the ASEE NCS was greatly appreciated and impossible to replace. **THANK YOU ROLAND** on behalf of all ASEE NCS members!!!

Friday's Opening Reception



Saturday's Events



Presentation of 2018 ASEE-NCS Awards

Best Student Paper

1st Place



2nd Place



Best Student Poster

1st Place



2nd Place



3rd Place



Best Faculty Paper

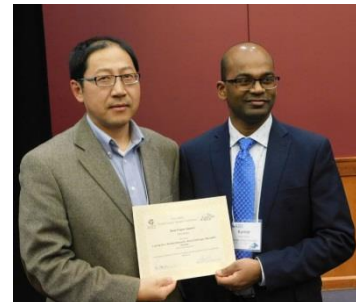
1st Place



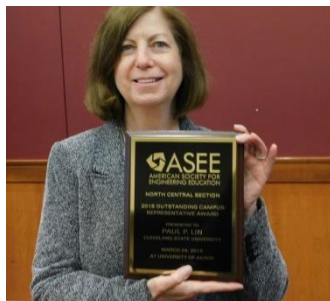
2nd Place



3rd Place



Campus Rep Award



Outstanding Teaching Award



Name and Affiliation of 2018 ASEE-NCS Awards

Best Student Paper Award

- 1st Place - Anne McAlister, Teresa Porter, Rachel Kajfez, The Ohio State University
2nd Place - Gavin Conley, Michael Manfredo, Stephanie Shafer, Marcellus Spinks, Amber Wolgast, Chenxi Wu, Brian DeJong, Central Michigan University

Best Student Paper Award

- 1st Place - Sarah Koehler, Katie Gaviglio, Andro Mondala, Western Michigan University
2nd Place - Geoff Burns, Brian Fulkerson, Andre Ly, Jack Ruggless, Ozella Wooley, Betsy Aller, David Middleton, Western Michigan University
3rd Place - Ryan Zellers, John Dixon, Grove City College

Best Faculty Paper Award

- 1st Place - Caryn Heldt, Christian Nwamba, Barbara Radecki, Dominique Colvard, Sherida Czeka, Michigan Technological University
2nd Place - Carmen Cioc, Sorin Cioc, Richard Springman, The University of Toledo
3rd Place - Liyong Sun, Robert Edwards, Adam Hollinger, Meredith Sander, Penn State Behrend

Campus Representative Award - Paul Lin, Cleveland State University

Outstanding Teaching Award - Melissa Morris, West Virginia University



Current and Past Executive Board Members had a chance for a photo prior to Saturday's Awards Dinner (from left to right): Roland Arter, Craig Dunn, Mary Verstraete, Dan Budney, Karinna Vernaza, Betsy Aller, Andrew Milks, Andrew Kline, Kumar Yelamarthi, Jeff Kastner, Stefanos Papanikolaou

2018 ASEE Annual Conference & Exposition

Salt Lake City, UT | June 24–27, 2018

Join us for the 125th Annual Conference & Exposition!

June 24 - 27, 2018, Salt Lake City, Utah

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.

For more information, Go to:

<https://www.asee.org/conferences-and-events/conferences/annual-conference/2018/conference-overview>



<https://www.visitsaltlake.com/facts/>

ASEE NORTH CENTRAL SECTION EXECUTIVE BOARD as of June 28, 2018

<u>Past Chair (2017-2019)</u> Dan Budny, Ph.D. Assoc. Prof. Swanson School of Engineering University of Pittsburgh 126 Benedum Hall 3700 O'Hara Street Pittsburgh, PA 15261 (412) 624-6474 (office) (412) 624-2827 (fax) budny@pitt.edu	<u>Chair (2017-2019)</u> Karinna M. Vernaza, Ph.D. Professor Interim Dean College of Engrg. & Business Gannon University 109 University Square Erie, PA 16541 (814) 871-7722 (office) vernaza001@gannon.edu	<u>Vice Chair (2018-2019)</u> Nicholas Baine, Ph.D. Assist. Prof. School of Engineering Grand Valley State University 227 Kennedy Hall of Engineering (616) 331-6756 bainen@gvsu.edu	<u>Secretary</u> Andrew Milks, P.E. Assoc. Prof. College of Applied Science & Technology The University of Akron Schrank Hall South 221E Akron, OH 44325-6104 (330) 972-2449 (office) amilks@uakron.edu
<u>Treasurer</u> Gregory Harstine, P.E. Assoc. Prof. of Practice College of Applied Science & Technology The University of Akron Schrank Hall South 221E Akron, OH 44325-6104 (330) 972-6234 (office) gph@uakron.edu	<u>Newsletter Editor</u> Jeffrey Kastner, Ph.D. Assist. Prof. College of Engineering and Applied Science University of Cincinnati 881 Rhodes Hall Cincinnati, OH 45221 (513) 556-0027 (office) jeffrey.kastner@uc.edu	<u>Zone II Chair (2018-2020)</u> Andrew Kline, Ph.D. Assoc. Dean College of Engineering & Applied Science Western Michigan University 4601 Campus Drive, C242 Floyd Hall Kalamazoo, MI 49008-5314 (269) 276-3252 (office) andrew.kline@wmich.edu	<u>ASEE Campus Representatives Coordinator</u> Betsy M. Aller, Ph.D. Assoc. Prof. Engrg. Design, Mfg. & Management Systems Western Michigan University 4601 Campus Drive Kalamazoo, MI 49008-5336 (269) 276-3354 (office) betsy.aller@wmich.edu
<u>Director (2017-2019)</u> Gregory Bucks, Ph.D. Assist. Prof. College of Engineering & Applied Science University of Cincinnati 885 Rhodes Hall Cincinnati, OH 45221 (513) 556-0032 (office) gregory.bucks@uc.edu	<u>Director (2018-2020)</u> Stefanos Papanikolaou, Ph.D. Assist. Prof. Mechanical & Aerospace Engineering; and Physics West Virginia University 395 Evansdale Drive PO Box 6070 Morgantown, WV 26506-6070 (304)293-0804 stefanos.papanikolaou@mail.wvu.edu	<u>Director (2017-2019)</u> Mahender Mandala, Ph.D. Visiting Assist. Prof. Swanson School of Engineering University of Pittsburgh 218A Benedum Hall 3700 O'Hara Street Pittsburgh, PA 15261 (412) 383-0474 (office) m.mandala@pitt.edu	<u>Director (2018-2020)</u> David Sanchez, Ph.D. Assist. Prof. Swanson School of Engineering University of Pittsburgh 153 Benedum Hall 3700 O'Hara Street Pittsburgh, PA 15261 (412) 624-9793 (office) (412) 624-7820 (fax) david.sanchez@pitt.edu
<u>Best Paper Awards Chair</u> Kumar Yelamarthi, Ph.D. Professor Assistant Director for School of Engineering & Technology Central Michigan University Mount Pleasant, MI 48859 (989) 774-7164 (office) (989) 774-4900 (fax) kumar.yelamarthi@cmich.edu	<u>2019 Program Chair</u> Nicholas Baine, Ph.D. Assist. Prof. School of Engineering Grand Valley State University 227 Kennedy Hall of Engineering (616) 331-6756 bainen@gvsu.edu	<u>2020 Program Chair</u> Stefanos Papanikolaou, Ph.D. Assist. Prof. Mechanical & Aerospace Engineering; and Physics West Virginia University 395 Evansdale Drive PO Box 6070 Morgantown, WV 26506-6070 (304)293-0804 stefanos.papanikolaou@mail.wvu.edu	<u>NCS Webmaster</u> Kumar Yelamarthi, Ph.D. Professor Assistant Director for School of Engineering & Technology Central Michigan University Mount Pleasant, MI 48859 (989) 774-7164 (office) (989) 774-4900 (fax) kumar.yelamarthi@cmich.edu