



ASEE
NORTH CENTRAL SECTION
Newsletter

Fall 2023

EDITOR:

Jeff Kastner, University of Cincinnati

Letter from Chair - David V.P. Sanchez, Ph.D.



I hope you're excited as we head into the holiday break! I want to thank each of you on behalf of your students, ASEE, and the engineering profession for all you do. We know that there are so many ways that each of you go above and beyond to serve your students!

Spring Conference: I want to say thank you to our conference host from last Spring, Robin Hensel and crew at West Virginia University for a great 2023 conference! It was great to see everyone! We are well under way for our Spring 2024 ASEE NCS conference which will be held on March 22-23, 2024 at Western Michigan University in Kalamazoo MI. More about the conference and contact information

for our Chair Matt Cavalli can be found here: [ASEE NCS - Conferences](#)

Elections: The 2023 elections for ASEE NCS Board positions were held at our ASEE NCS Conference.

- **David Sanchez (University of Pittsburgh)** Chair (2-year term)
- **Andrew Milks (University of Akron)** Vice-Chair (1 year term).
- **Lin Zhao (Gannon University)** Director (2 year term)
- **Kimberlyn Gray (West Virginia University Institute of Technology)** Director (2 year term)

Thank you to our officers who were appointed: Greg Harstine (Treasurer), Andy Kline (Secretary), Betsy Aller (Senior Director), Craig Gunn (Campus Rep Coordinator), Jeff Kastner (Newsletter Editor), Tony Kerzmann (Awards Chair), Web Editor (Wook-Sung Yoo) and Nicholas Baine for serving as Past-Chair. Together, we are excited to serve you. Please reach out to me or feel free to connect with any of our [Executive Board members](#) if there are ways, we can help you. They are a wonderful group!

Future Section Conferences: Our conferences are popular as we already have hosts for the next three ASEE-NCS Spring conferences which will be held at Marshall University (2025), University of Mount Union (2026), and Ohio Northern University (2027). These conferences are 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. Hope to see you next spring at Western Michigan University for a great conference!

I encourage everyone to become involved with ASEE by nominating your colleagues for the Section Teaching Award, running for a leadership position, submitting your work and your students' work to the section conference, or petitioning to host the conference. If your school is interested in being a host for a future section conference, please send me an email.

Wishing you much peace and joy this holiday season!

Letter from Vice Chair - Andrew Milks, P.E.

Greetings, ASEE North Central colleagues! As Vice Chair of the North Central Section, I am proud of the work accomplished by NCS board and the opportunity to gather at our spring conferences with all of you. One of my favorite aspects of the NCS is the collegial nature of the participants and the chance to work with faculty from other campuses who focus on student education.

For years, NCS has identified one nominated faculty member with the Outstanding Teaching Award. We have a number of exceptional early career faculty in the section and want to recognize them. I am pleased to announce the NCS board approved two awards beginning in 2024 and have created an additional award specifically for those in the first five years of teaching in addition to our traditional Outstanding Teaching Award for faculty at any point in their career.

As Vice Chair, one of the duties is to oversee the Outstanding Teaching Award. We ask that you identify the best teaching faculty on your campus and nominate them for this award. The winner of NCS section Outstanding Faculty Award becomes eligible for the national award process. Nominations are submitted through asee.org, the following link provides the details of the nomination process: [ASEE - National Outstanding Teaching Award](#)

Nominations open in November and close in February each year, so please send them in early. A committee of NCS members will evaluate the nominations and determine the winners. Awards winners are announced at the spring conference, held this year in Kalamazoo, MI on March 22, 23, 2024. The section provides a \$400 honorarium as well as a plaque and certificate from ASEE. If you have any questions about the award or process, please contact me: aem36@uakron.edu. I look forward to reading your nominations and seeing you at Western Michigan in March!

2024 NCS Outstanding Teaching Awards

Nomination for the ASEE NCS Member opens in November 2023

Start Preparing for Your Submission Today

All nominations must be submitted on-line through the ASEE National website:

<https://www.asee.org/>

Deadline for nominating is February 15, 2024

The Award: There are two categories for the NCS award, one for early career faculty, in their first five years of teaching, and one for faculty at any stage of their teaching career. The awards consist of a certificate, prepared by ASEE National Headquarters, and an honorarium, presented by the North Central Section. Award presentations are made at the spring conference with notation in the ASEE Annual Awards Banquet Program.

Note: Travel to the conference is not included in the award.

Future Events:

- ✓ Spring 2024: ASEE – North Central Sectional Conference
 - Western Michigan University, Kalamazoo, Michigan
 - See *Page 4 and 5* for more details
- ✓ Summer 2024: ASEE Annual Conference, Portland, OR
- ✓ Spring 2025: ASEE – North Central Sectional Conference
 - Marshall University, Huntington, WV
- ✓ Spring 2026: ASEE – North Central Sectional Conference
 - Mt. Union University, Alliance, OH

Conference Review:

- ✓ Spring 2023: ASEE NCS conference at West Virginia University
 - See *Pages 6 to 8* for detailed coverage

Updated List of Executive Board Members

- ✓ See *Page 9*



SAVE THE DATE

March 22-23, 2024

2024 American Society for Engineering Education (ASEE)
North Central Section Conference

Hosted by Western Michigan University's
College of Engineering and Applied Sciences
Kalamazoo, Michigan

wmich.edu/engineer/asee2024



WESTERN MICHIGAN UNIVERSITY
College of Engineering
and Applied Sciences



2024 ASEE North Central Section Conference

What is Smart? Rethinking Engineering Education

Hosted by Western Michigan University's
College of Engineering and Applied Sciences
4601 Campus Drive, Kalamazoo, MI 49008

March 22-23, 2024

About the conference

The [ASEE North Central Section](#) 2024 conference organizing committee invites you to attend and present original scholarship and teaching results at the conference. ASEE NCS 2024 welcomes papers, posters (including student posters) and workshop proposals on:

- Innovative programs, curricula, pedagogy or assessment
- Implementation of smart technologies in classrooms
- Integration of sustainability in engineering education
- Senior capstone projects, student research projects and student industry experiences
- Collaboration between industry and engineering educators
- Student retention and persistence
- Diversity, equity, and inclusion: expanding opportunities, broadening participation and mentoring talent
- Community engagement, service learning and K-12 outreach in engineering
- Global engagement (study abroad programs, global academic partnerships)
- Professional development: technical writing, presentation, teamwork, ethics, leadership and entrepreneurship

Important dates

- Oct. 1, 2023: Abstract submission opens
- Nov. 30, 2023: Paper abstract submission deadline
- Dec. 15, 2023: Abstract notification of acceptance
- **Jan. 8, 2024: Conference registration opens**
- Jan. 29, 2024: Draft paper upload deadline, student poster abstract deadline and workshop abstract submission deadline
- Feb. 19, 2024: Paper notification of acceptance, poster abstract notification of acceptance and workshop abstract notification of acceptance
- Feb. 26, 2024: Final paper submission deadline
- Feb. 26, 2024: Author/presenter registration deadline

Registration and Pricing

The conference fee includes access to all networking and technical sessions during the two-day event, including the welcome and networking reception with appetizers on Friday evening, as well as all sessions, light continental breakfast, networking lunch and awards dinner on Saturday.

Student pricing

- Through March 1, 2024: \$75
- March 2 to March 21: \$100

Retiree pricing

- Through March 1, 2024: \$75
- March 2 to March 21: \$100

ASEE member pricing

- Through March 1, 2024: \$150
- March 2 to March 21: \$175

Non-ASEE member pricing

- Through March 1, 2024: \$200
- March 2 to March 21: \$225

On-site registration pricing

- March 24 to 25: \$250

Conference Review

Innovating the Future

2023 ASEE North Central Section Conference

West Virginia University, Morgantown, WV

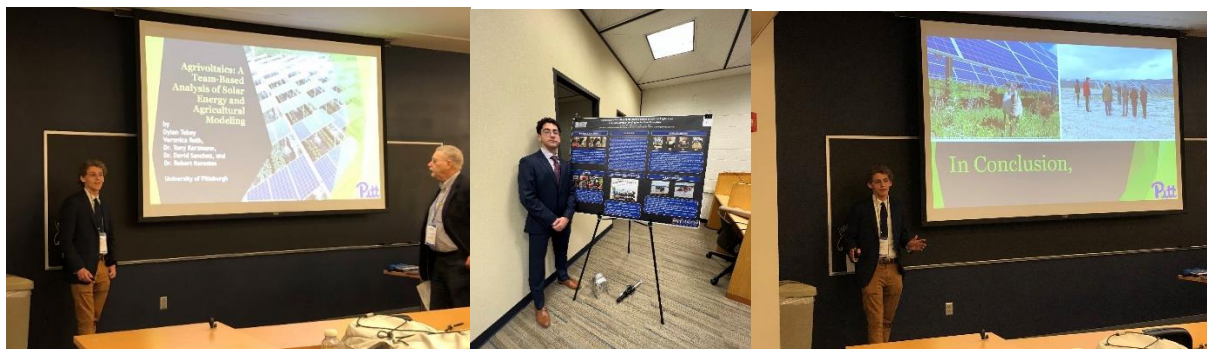
March 24 – 25, 2023

Conference Chair: Robin A. M. Hensel, Ed. D.

Picture of ASEE – NCS Board Members



Pictures from Saturday's Conference



2023 ASEE-NCS Awards



Best Student Poster Award

- 1st Place — Paola Alejandra, Perez-Vega, West Virginia University
- 2nd Place — Khalid S. Al-Olimat, Logan Martin Reichling, Daniel Siotkowski, Xiangyi Cheng, Matthes N. Opara, Sylvia Marie Fill, and Joseph M. D'Alessadri, Ohio Northern Univ.
- 3rd Place — Matthew Sendrey & Shehla Arif, University of Mount Union

Best Student Paper Award

- 1st Place – Austin Maverick, La Mothe & Qin Hu, Eastern Michigan University
- 2nd Place – Dylan Marcus Tobey, Veronica Roth, David V. P., Sanchez, Tony L. Kerzmann, Robert J. Kerestes, University of Pittsburgh
- 3rd Place – Vincent Rodney Sheeler, Lacey Lynn Wernoch, Shen Hui, Jed E. Marquart, Ohio Northern University

Best Faculty Paper Award

- 1st Place – JRobert Michael, David Gee, & Mark Keith Kurchena, Gannon University
- 2nd Place – Leslie Hopkinson, West Virginia University
- 3rd Place – Robin A. M. Hensel, West Virginia University

Campus Representative Award – Pedro Mago, West Virginia University

Outstanding Teaching Award – Blake Hylton, Ohio Northern University

ASEE NORTH CENTRAL SECTION EXECUTIVE BOARD as of June 28, 2023

<p><u>Past Chair (2023-2025)</u></p> <p>Nicholas Baine, Ph.D., P.E. Assoc. Prof. School of Engineering Grand Valley State University 227 Kennedy Hall of Engineering Grand Rapids, Michigan 49504 (616) 331-6756 bainen@gvsu.edu</p>	<p><u>Chair (2023-2025)</u></p> <p>David Sanchez, Ph.D. Asst. Prof. Civil & Environmental Engineering Asst. Director Mascaro Center for Sustainable Innovation Swanson School of Engineering University of Pittsburgh Pittsburgh, PA 15261 (412) 624-9793 (office)</p>	<p><u>Vice Chair (2023-2024)</u></p> <p>Andrew Milks, Ed.D., P.E. Professor College of Engineering and Polymer Science The University of Akron Schrank Hall South 221E Akron, OH 44325-6104 (330) 972-2449 aem@uakron.edu</p>	<p><u>Secretary</u></p> <p>Andrew Kline, Ph.D. Assoc. Dean Emeritus Western Michigan University (269) 271-5123 andrew.kline@wmich.edu</p>
<p><u>Treasurer</u></p> <p>Gregory Harstine, P.E. Assoc. Prof. of Practice College of Engineering and Polymer Science The University of Akron Schrank Hall South 221D Akron, OH 44325-6104 (330) 972-6234 gph@uakron.edu</p>	<p><u>Newsletter Editor</u></p> <p>Jeff Kastner, Ph.D. Assoc. Prof. College of Engineering & Applied Science University of Cincinnati Cincinnati, OH 45221 (513) 556-0027 jeffrey.kastner@uc.edu</p>	<p><u>Zone II Chair (2022-2024)</u></p> <p>Charles McIntyre, Ph.D. Program Director, Construction Engineering Management Technology Indiana University Purdue University Indianapolis Indianapolis, IN 46202 chmcinty@iupui.edu</p>	<p><u>Campus Rep Coordinator</u></p> <p>Craig Gunn, Ph.D. Senior Academic Specialist - Curriculum Development Michigan State University Room: 2443 East Lansing, MI 48824 (517) 355-5160 gunn@egr.msu.edu</p>
<p><u>Director (2022-2024)</u></p> <p>Carmen Cioc, Ph.D. Assoc. Prof. Mechanical Engineering Technology The University of Toledo Mail Stop 402 Toledo, OH 43606 (419) 530-3017 Carmen.Cioc2@utoledo.edu</p>	<p><u>Director (2022-2024)</u></p> <p>Yogendra Panta, Ph.D., P.E. Assoc. Prof., Mechanical Engineering West Virginia University Institute of Technology Learning Resource Center, 319M Beckley, West Virginia 25801 (304) 929-1661 Yogendra.Panta@mail.wvu.edu</p>	<p><u>Director (2023-2025)</u></p> <p>Lin Zhao, Ph.D. Prof., Electrical and Cyber Engineering Gannon University Office: Zurn 303 Erie, PA, 16541 (814) 871-5854 Zhao001@gannon.edu</p>	<p><u>Director (2023-2025)</u></p> <p>Kimberlyn Gray, Ph.D. Assoc. Prof., Chemical Engineering West Virginia University Institute of Technology Learning Resource Center, 305B Beckley, West Virginia 25801 (304) 929-1652 Kimberlyn.Gray@mail.wvu.edu</p>
<p><u>Best Paper Awards Chair</u></p> <p>Tony Kerzmann Ph.D. Associate Professor Mechanical Engineering and Materials Science University of Pittsburgh 512 Benedum Hall Pittsburgh, PA, 15261 (412) 383-5064 TKerzmann@pitt.edu</p>	<p><u>2024 Program Chair</u></p> <p>Matthew Cavalli, Ph.D., P.E. Associate Dean for Undergraduate Academic Affairs and Professor Western Michigan University Kalamazoo MI 49008-5314 (269) 276-3249 matthew.cavalli@wmich.edu</p>	<p><u>Senior Director</u></p> <p>Betsy M. Aller, Ph.D. Assoc. Prof. Emerita Engineering Design, Manufacturing, and Management Systems Western Michigan University Kalamazoo, MI 49008-5336 (269) 271-0338 betsy.aller@wmich.edu</p>	<p><u>NCS Webmaster</u></p> <p>Wook-Sung Yoo, Ph.D. Director of Research and Weisberg Professor, College of Engineering and Computer Sciences, WAEC 2103D, Marshall University Huntington, WV 25755 Tel: 304-696-5452 yooow@marshall.edu</p>