

EDITOR:

Jeff Kastner, University of Cincinnati

Letter from Chair – Carmen Cioc, Ph.D.



I am truly honored and humbled to step into the role of Chair of the ASEE North Central Section. It is a privilege to serve such a vibrant and committed community of educators who are passionate about transforming engineering and engineering technology education.

Over the past few years, I have had the opportunity to serve our section in several roles, as Conference Chair, Director, and most recently, Vice Chair, and through each of these roles, I have grown immensely, thanks to the dedicated leadership of our board. I am especially grateful to our outgoing Chair, Dr. David Sanchez, for his exceptional leadership and collegial spirit. His example has been a model of service and collaboration. I also want to sincerely thank each member of the board

who has provided invaluable professional support and advice throughout my journey. From sharing institutional knowledge to helping navigate challenges, your encouragement and wisdom have shaped my experience and deepened my commitment to ASEE's mission. I have learned so much from your insights, your passion for education, and your tireless efforts to advance our work as a section.

As I take on this role, I am excited to continue working closely with our talented team of officers and members. Together, we will uphold and advance ASEE's mission: to promote excellence in instruction, research, public service, and practice; to foster the technological education of society; and to cultivate a community committed to lifelong learning and educational innovation.

Looking ahead, I would like to propose three key initiatives to help us better serve our members and strengthen our impact:

1. [Member Feedback Survey](#): This short survey is meant to hear directly from you, our members, about what resources, programming, and support you value most. Your input will guide our priorities and help us better serve our faculty and student community.
2. Topical Webinars and Conversations: Based on the survey results, we plan to offer virtual events on timely topics of interest, such as strategies for inclusive teaching, integrating AI in the classroom, or fostering industry-academic partnerships.
3. Conference Engagement and Growth: Our annual section conference is a cornerstone event where we share our work, celebrate achievements, and build lasting collaborations. I will work with the board to increase participation by encouraging faculty and student involvement and continuing promoting the conferences as a platform to showcase regional excellence and innovation.

I am excited about the road ahead and confident that, together, we will continue to strengthen our community and elevate the impact of engineering education in our region. Thank you for the opportunity to serve, and I look forward to engaging with each of you in the coming year.

With gratitude and enthusiasm,
Carmen Cioc

List of Events/Deadlines & Table of Contents

Future Events:

- ✓ Spring 2026: ASEE – North Central Sectional Conference
 - Mt. Union University, Alliance, OH
 - Chair: Chad Korach
 - See *Page 3* for more Information
- ✓ Spring 2027: ASEE – North Central Section Conference
 - Ohio Northern University, Ada, OH
 - Chairs: Dean Yoder and David Sawyer
- ✓ Spring 2028: ASEE – North Central Section Conference
 - Kettering University, Flint, MI
 - Chair: Diane Peters

Conference Review:

- ✓ Spring 2025: ASEE – North Central Sectional Conference
 - Marshall University, Huntington, West Virginia
 - See *Pages 5 to 9* for Detailed Coverage

Executive Board Members:

- ✓ Election Results from Spring 2025 conference – *Page 9*
- ✓ Executive Board List and Contact info – *Page 10*

2026 NCS Outstanding Teaching Awards

Nomination for the ASEE NCS Member opens in November 2025

Start Preparing for Your Submission Today

Guidelines & Nomination Instructions:

<https://asee-ncs.org/outstanding-teacher-award/>

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.



2026 ASEE North Central Section Conference

March 27-28, 2026

University of Mount Union
Brenton School of Engineering
Alliance, OH

Transformative Engineering

What might engineering become in the next three quarters of this century and how should engineering education lead the imminent changes?

Austenite to Martensite; Cartesian to Polar; Caterpillar to Chrysalis; Transformations are at the heart of Nature and Engineering. Governed by external stimuli, but mediated by careful planning, engineers bridge nature with utility. Bring your perspectives on how this work can be transformative in the wake of a rapidly changing world. What might engineering become in the next three quarters of this century? Who are the stakeholders? How may you steer this change? How should, or should not, engineering education lead the imminent changes?

The ASEE North Central Section (NCS) invites workshop proposals, short and full-length papers, as well as student posters. Abstracts will be accepted from Oct. 6 – Nov. 24, 2025. Topics related to the broad conference theme and to the following are encouraged:

- Innovative curricula or teaching techniques.
- Implementation of smart technologies in classrooms.
- Active learning: project-based and hands-on learning activities.
- Incorporating Sustainability into Engineering.
- Examining and Engaging Artificial Intelligence in Engineering Education.
- Senior capstone projects, student research projects, and industry experiences.
- Recruitment, Retention, and Persistence of Engineering students.
- Expanding Opportunities, Broadening Participation, and Mentoring Talent.
- Remote, Distance, Hybrid learning: methods, technologies, and assessment.
- Social Justice and Peace in Engineering.
- Community engagement, service learning, K-12 outreach with engineering.
- Global engagement (e.g., study abroad programs, academic partnerships).
- Societal Impact of Engineering Practice.

Contact: Chad Korach korachcs@mountunion.edu
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Transformative Engineering

March 27-28, 2026

University of Mount Union

Brenton School of Engineering

Alliance, OH

2026 ASEE - NCS Conference Website

Important Dates

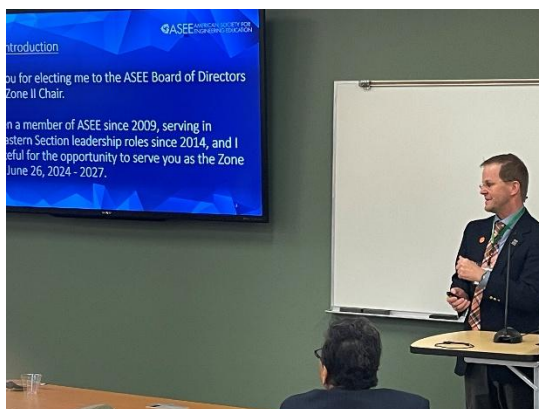
Abstract Submission Opens	Oct. 6, 2025
Abstract Submission Deadline	Nov. 24, 2025
Abstract Acceptance Date	Dec. 8, 2025
Conference Registration Opens	Jan. 16, 2026
Draft Paper, Student Poster and Workshop Abstracts Submission Deadline	Jan. 19, 2026
Notification of Paper Acceptance, Student Poster and Workshop Abstract Acceptance Date	Feb. 10, 2026
Revised Draft Paper Submission Deadline	February 17, 2026
Revised Draft Paper Decision Date	February 24, 2026
Final Paper Submission Deadline	Mar. 2, 2026
Author Registration Deadline	Mar. 2, 2026
Early Registration Ends	Mar. 15, 2026

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, conference lunch and awards dinner on Saturday.

	Early Registration Jan. 16 – Mar. 15, 2026	Regular Registration Mar. 16 – Mar. 24, 2026
Student	\$75	\$100
Retiree	\$75	\$100
Member	\$150	\$175
Non-Member	\$200	\$225
On-site (March 27-28, 2026)	n/a	\$250



Conference Chairs – Dave Dampier & Haroon Malik



ASEE Zone II Chair: Todd Schweisinger



Keynote Speaker: Michael Hagans



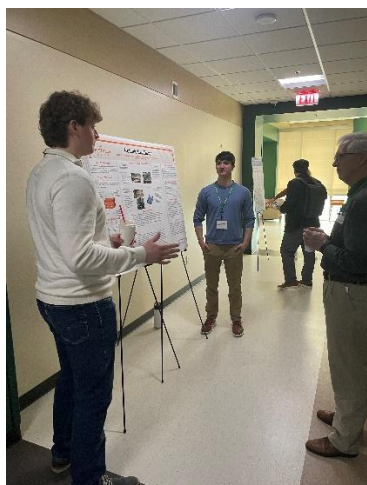
ASEE – NCS Board Members (Saturday's NCS Meeting)



Friday's Evening Reception and ASEE -NCS Board Meeting



Paper Presentations



Student Poster Session



Saturday Evening NCS Awards Dinner

2025 ASEE-NCS Awards



Best Student Poster Award

- 1st Place — Tyler Dean, Fanuc Robot Cell Demonstrations, Ohio Northern Univ.
- 2nd Place — Yousef Sardahi, Student-Driven Design of a Lift System for EOD Equipment Handling, Marshall University.
- 3rd Place — Manar Yamany, Investigating the Factors Limiting High School Girls' Pursuit of STEM: A Review of The Literature, West Virginia University.

Best Student Paper Award

- 1st Place – Kathryn Chludzinski, Predictive Modelling of a Continuously Variable Transmission for Optimal Performance, Youngstown State University.
- 2nd Place – Shuyu Wang, A Literature Review of Transdisciplinarity in Engineering Education, The Ohio State University.
- 3rd Place – Jarod Banzon, Random Walk Modeling and Simulation Analysis of Coal Fly Ash Compounds Settling in West Virginia, Marshall University.

Best Faculty Paper Award

- 1st Place – Ernest Cartwright, Work in Progress: A two-way learning street: Near-peer college students enhance high school after-school STEM club opportunities, Marshall University.
- 2nd Place – Diane Peters, What Do You Want to Know About Me?" Student Questions About Their Professor, Kettering University.
- 3rd Place – Susie Huggins, EngineerFEST: Building Community and Engagement Among First-Year Engineering Students, West Virginia University.



Early Career Award



Outstanding Teaching Award

Outstanding Teaching Award:

- 1st Place – Dr. Alexa Rihana Abdallah, University of Detroit Mercy
- 2nd Place – Dr. Kwek Tze Tan, University of Akron
- 3rd Place – Dr. Leslie Hopkinson, West Virginia University

Early Career Teaching Award: (Two winners tied for first place)

- 1st Place – Dr. Omar Al-Shebeeb, West Virginia University (Teaching Assistant Professor, since Jan. 2020)
- 1st Place – Dr. Caymen Novak, University of Michigan Dearborn (Assistant Professor, since Aug. 2023)

Campus Representatives Award

- 1st Place – Dr. Deborah Grzybowski, The Ohio State University

Newly elected Board Members – Term started June 25, 2025

- **Chair** - Carmen Cioc (University of Toledo)
- **Vice Chair** - Nicholas Baine (Grand Valley State University)
- **Director** - Haroon Malik (Marshall University)
- **Director** - Robin Hansel (West Virginia University)

ASEE NORTH CENTRAL SECTION EXECUTIVE BOARD June 25, 2025 to June 24, 2026

<u>Chair (2025-2027)</u> Carmen Cioc, Ph.D. Professor Mechanical Engineering Technology The University of Toledo Mail Stop 402 2801 W. Bancroft St. Toledo, OH 43606 Carmen.Cioc2@utoledo.edu	<u>Past Chair (2025-2027)</u> David Sanchez, Ph.D. Associate Professor, Civil & Environmental Engineering Swanson School of Engineering University of Pittsburgh 153 Benedum Hall 3700 O'Hara Street Pittsburgh, PA 15261 davidsanchez@pitt.edu	<u>Vice Chair (2025-2026)</u> Nicholas Baine, Ph.D., P.E. Associate Professor Padnos College of Engineering Grand Valley State University 227 Kennedy Hall of Engineering Grand Rapids, MI 49504 (616) 331-6756 bainen@gvsu.edu	<u>Secretary</u> Andrew Kline, Ph.D. Professor Emeritus and Associate Dean Emeritus College of Engineering and Applied Sciences Western Michigan University (269) 271-5123 andrew.kline@wmich.edu
<u>Treasurer</u> Gregory Harstine, P.E. Professor of Practice College of Engineering and Polymer Science The University of Akron Schrank Hall South 221D Akron, OH 44325-6104 gph@uakron.edu	<u>Newsletter Editor</u> Jeff Kastner, Ph.D. Associate Professor Educator College of Engineering and Applied Science University of Cincinnati 881 Rhodes Hall Cincinnati, OH 45221 jeffrey.kastner@uc.edu	<u>Zone II Chair (2024 - 2027)</u> Todd Schweisinger, Ph.D., P.E. Principal Lecturer The School of Mechanical and Automotive Engineering Clemson University todds@clemson.edu	<u>Campus Rep Coordinator</u> Craig Gunn, Ph.D. Senior Academic Specialist - Curriculum Development Michigan State University 428 S. Shaw Lane Room: 2443 East Lansing, MI 48824 gunn@egr.msu.edu
<u>Director (2024-2026)</u> Stephany Coffman-Wolph, Ph.D. Assistant Professor of Computer Science Ohio Northern University The T.J. Smull College of Engineering 525 South Main Street Ada, OH 45810 s-coffman-wolph@onu.edu	<u>Director (2024-2026)</u> David R. Sawyers, Jr., Ph.D., P.E. Professor, Department of Mechanical Engineering Ohio Northern University The T.J. Smull College of Engineering 525 South Main Street Ada, OH 45810 d-sawyers@onu.edu	<u>Director (2025-2027)</u> Haroon Malik, Ph.D. Associate Professor College of Engineering and Computer Sciences Marshall University Office: WAEC 3113 One John Marshall Drive Huntington, WV 25755 malikh@marshall.edu	<u>Director (2025-2027)</u> Robin A. M. Hensel, Ed.D. Teaching Professor, Fundamentals of Engineering Program Statler College of Engineering and Mineral Resources West Virginia University 172 Engineering Sciences Building Morgantown, WV Robin.Hensel@mail.wvu.edu
<u>Best Paper Awards Chair</u> Tony Kerzmann Ph.D. Associate Professor Mechanical Engineering and Materials Science University of Pittsburgh 512 Benedum Hall 3700 O'Hara St, Pittsburgh, PA, 15261 TKerzmann@pitt.edu	<u>Webmaster</u> Wook-Sung Yoo, Ph.D. Director of Research and Weisberg Professor, College of Engineering and Computer Sciences, WAEC 2103D, Marshall University Huntington, WV 25755 yoow@marshall.edu	<u>Senior Director</u> Betsy M. Aller, Ph.D. Associate Professor Emerita Engineering Design, Manufacturing, and Management Systems Western Michigan University 4601 Campus Drive Kalamazoo, MI 49008-5336 betsy.aller@wmich.edu	
<u>Past Program Chair (2025)</u> David A. Dampier, Ph.D. Professor and Dean College of Engineering and Computer Sciences Marshall University Office: WAEC 2103K One John Marshall Drive Huntington, WV 25755 dampierd@marshall.edu	<u>2026 Program Chair</u> Chad Korach, Ph.D. Professor of Mechanical Engineering and Director, Brenton School of Engineering University of Mount Union 1972 Clark Ave. Alliance, OH 44601 korachcs@mountunion.edu	<u>2027 Program Chair</u> Stephany Coffman-Wolph, Ph.D. Assistant Professor of Computer Science Ohio Northern University The T.J. Smull College of Engineering 525 South Main Street Ada, OH 45810 s-coffman-wolph@onu.edu	<u>2028 Program Chair</u> Diane L. Peters, Ph.D. Professor of Mechanical Engineering Kettering University 1700 University Avenue Flint, MI 48504-6214 dpeters@kettering.edu