

# What is CIEC?

The Conference for Industry and Education Collaboration (CIEC) began in 1976 as an annual mid-winter meeting for four divisions of the American Society for Engineering Education (ASEE). The Cooperative and Experiential Education Division (CEED), the College Industry Partnership Division (CIPD), the Continuing Professional Development Division (CPDD), and the Engineering Technology Division (ETD) work together to create a conference that best meets the professional needs of their respective division memberships and provides interaction and networking opportunities for conference participants.

The 2022 CIEC will be convened at the Marriott Phoenix Resort Tempe at The Buttes in beautiful Tempe, Arizona. This year's conference theme is *Collaborate, Communicate, Innovate Engineering Education*. The conference includes workshops, technical sessions, training, and plenary sessions emphasizing the long and mutually beneficial partnerships between, education, industry, and government. Conference and hotel information can be found at <https://www.asee.org/conferences-and-events/conferences/ciec/2022>

If you would like to participate in the CIEC Expo and highlight your company or university, contact Hiro Iino at [hiino@iastate.edu](mailto:hiino@iastate.edu) or Julayne Moser at [moser@purdue.edu](mailto:moser@purdue.edu). General questions can be sent to Sandra English at [sengli12@nccu.edu](mailto:sengli12@nccu.edu) or Rich Robles at [rich.robles@uc.edu](mailto:rich.robles@uc.edu).

## CIEC 2022 Conference Management Team

**General Conference Co-Chair (CEED)**

**Sandra English**

*North Carolina Central University*

**General Conference Co-Chair (CEED)**

**Richard Robles**

*University of Cincinnati*

**Assistant General Conference Chairs (ETD)**

**Clay S. Gloster, Jr.**

**Aixi Zhou**

*North Carolina Agricultural & Technical State University*

**Registrar**

**Gayle Elliott**

*University of Cincinnati*

**CIPD Program Chair**

**Mahesh Aggarwal**

*Gannon University*

**CPDD Program Chair**

**Matthew Carver**

*Iowa State University*

**ETD Program Chair**

**Marilyn Dyrud**

*Oregon Institute of Technology*

**Golf Networking Chairs**

**Paul Plotkowski**

**Rodd Lowell**

*Grand Valley State University*

**Opening Reception Chairs**

**Pat Hall**

**Nancy Kruse**

*University of Tulsa*

**Financial Chair**

**Linda Thurman**

*University of North Carolina at Charlotte*

**Publicity Chair**

**Keith Johnson**

*East Tennessee State University*

**Poster Chair**

**David Schumeser**

*Clemson University*

**Expo Chairs**

**Hiro Iino**

*Iowa State University*

**Julayne Moser**

*Purdue University*

COLLABORATE, COMMUNICATE & INNOVATE



ENGINEERING EDUCATION

## 2022 Conference for Industry & Education Collaboration

February 9-11, 2022  
Tempe, AZ

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## Monday, February 7

CIEC Executive Board Meeting  
8:00 AM - Noon

CIEC Management Team Meeting  
1:00 - 3:00 PM

CIEC General Conference Chair Reception  
(By Invitation)  
6:00 - 8:00 PM

## Tuesday, February 8

### MEETINGS

CEED Board Meeting  
8:00 AM - 4:00 PM

CPDD Board Meeting  
8:00 AM - 4:00 PM

### RECEPTIONS

New Attendee Welcome  
5:00 - 6:00 PM

Opening Reception  
6:00 - 8:00 PM

Time	Cooperative & Experiential Education Division (CEED)	College-Industry Partnership Division (CIPD)	Continuing Professional Development Division (CPDD)	Engineering Technology Division (ETD)	Engineering Technology Division (ETD)
<b>Wednesday, February 9</b>					
7:30 AM	CEED Breakfast Meeting	CIPD Breakfast Meeting	CPDD Breakfast Meeting	ETD Breakfast Meeting	
9:00 AM	PLENARY SESSION				
10:30 AM	EXPO OPENS - Refreshment Break				
11:00 AM	- Widening the STEM Pipeline - Building an Engineering Career Network	Engineering Workforce Skills: Employer and Academic Expectations	Optimize Learning Environments with FLEXspace	Bridging the Technical Knowledge Gap	Industry and Academia Collaboration in Robotics and Automation
12:45 PM	INDUSTRY-EDUCATION NETWORKING LUNCHEON				
1:00 PM	POSTER SESSION OPENS				
2:00 PM	- REAL TALK: Do You Speak Emoji 2.0? - Professional Issues for Engineers in a Virtual World	Government Involvement in Industry and Academia Collaboration	Skate to Where the Puck is Going	Ethics: Pedagogical Approaches	A Technology Potpourri
3:30 PM	Refreshment Break				
4:00 PM	Unconference	Role of Simulation-Based Software in Enhancing the Effectiveness of Capstone & Industry-Sponsored Projects in Engineering Education	New Challenges for Learning Design and Online Delivery: Scaling Horizontally and Vertically	Developing Workforce for the Blue Economy- Marine Engineering Technology Programs in ET	Long-Term Modifications from COVID-19: What Did We Learn?
5:30 PM				ETD Board Meeting	
<b>Thursday, February 10</b>					
7:30 AM	CEED Business Meeting	CIPD Business Meeting (Planning for 2023)	CPDD Business Meeting	ETD Business Meeting	
8:30 AM	EXPO & POSTER SESSION				
9:00 AM	MINI PLENARY				
10:30 AM	Refreshment Break				
11:00 AM	- Empowering Female Engineers in Co-op - DEI In Industry	Future of Engineering Education from Industry, University and Professional Societies Perspective	Guideposts for the Pandemic Pivot: Quality Standards for Online Engineering Education	Experiential Learning in Engineering Technology	Tricks of the Trade: Publication
12:45 PM	CIEC AWARDS LUNCHEON				
2:00 PM	- It Takes a Village - Comparing Traditional/Online/Hybrid Summer Bridge Programs	Dos and Don'ts of College-Industry Partnerships. Strategies for successful university-industry partnerships	Addressing Evolving Talent Development Needs: Market Research, Third Party Partnerships, and Pandemic Pivots	Mini-Grants Revealed	New Courses in ET Programs
3:30 PM	Refreshment Break				
4:00 PM	Employer and Student Panel	Allies or Antagonists? Engineering Writing in Industry Versus Academia	Leveraging a MOOC Platform as a Strategic Asset for Program Development, Speed to Market, and Building Market Awareness	Mechatronics Is a Future in Engineering Education	Engineering Technology National Forum
4:00 PM	EXPO CLOSURES   POSTER PRESENTATION AND EVALUATION				
5:30 PM				ECETDHA Meeting	
6:00-8:00 PM	DIVISION HOSPITALITY EVENTS CEED AWARDS RECEPTION				
<b>Friday, February 11</b>					
7:00 AM	CORPORATE NETWORKING 101 & PRACTICUM				
7:30 AM		CIPD Board Meeting	SIG Breakfast & Round Table discussion	JET Meeting	
9:00 AM	- Creating a High Performance Capstone Experience - Examining the Relationship Between Co-op Experiences and Professional Identity		Creating engaging students through engaging recruitment	ET Capstone Projects to Let Students Hit the Ground Running	Academia and Industry Led Undergraduate and Graduate Students Projects in Mechatronics
10:45 AM	Planning for CEED 2023 Sessions			Planning for ETD 2023 Sessions	
12:30 PM	CIEC 2022 Conference Concludes				