Conference for Industry & Education Collaboration

CIEC

Final Program

Austin, TX
February 3–5, 2016
CIEC 2016 Conference Management Team

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**Companions Program Chair**
Linda Schuver

**TAKING INNOVATION TO SCALE FOR IMPACT AND SUSTAINABILITY**

CIEC Acronym Guide—the Who's Who of CIEC

**ASEE** American Society for Engineering Education

**CEED** Cooperative and Experiential Education Division

**CIEC** Conference for Industry and Education Collaboration

**CIPD** College-Industry Partnerships Division

**CMC** Corporate Member Council

**CPD** Continuing Professional Development Division

**ETD** Engineering Technology Division

**ECETDHA** Electrical and Computer Engineering Technology Department Heads Association

**ETLI** Engineering Technology Leadership Institute

**IAICE** International Association of Continuing Engineering Education

**JET** Journal of Engineering Technology

**PIC** Professional Interest Council

See page 2 for description of organizations

www.asee.org/ciec2016
Photos by Craig Gunn
Book Design by
Jean Martin Designs
www.jeanmartindesigns.com
www.asee.org/conferences-and-events/
conferences/ciec/2016
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Registration

Registration will be held in the Texas foyer on the second floor. The hours of registration desk will be open are as follows:

Tuesday, February 2, 2016  8:30 a.m. to 5:00 p.m.
Wednesday, February 3, 2016  7:30 a.m. to 5:00 p.m.
Thursday, February 4, 2016  7:30 a.m. to 12 p.m. noon
Friday, February 6, 2016  8:00 a.m. to 10:00 a.m.

Conference Sponsors

Northrop Grumman Corporation
McGraw Hill
Cypress University Alliance
Grand Valley State
Quanser
RoMan Manufacturing
Regional Center for Next Generation Manufacturing

Conference Exhibitors

Missouri University of Science and Technology
National Cybersecurity Institute at Excelsior College
Quanser
Engineering Technology and Construction Management
University of North Carolina at Charlotte
American Welding Society
Project Management Institute
USA Tolerance Rings
AMERICAN SOCIETY FOR ENGINEERING EDUCATION

ASEE

Founded in 1893, the American Society for Engineering Education is a nonprofit organization of individuals and institutions committed to furthering education in engineering and engineering technology. It accomplishes this mission by promoting excellence in instruction, research, public service, and practice; exercising worldwide leadership; fostering, the technological education of society; and providing quality products and services to members.

http://www.asee.org

COLLEGE-INDUSTRY PARTNERSHIP DIVISION

CIPD

CIP is an organization that fosters a strong alliance between engineering employers, educators and those interested in promoting partnerships that enhance science and technology.

http://www.cip.asee.org

CONFERENCE FOR INDUSTRY AND EDUCATION COLLABORATION

The Conference for Industry and Education Collaboration is organized and supported by four divisions of the American Society for Engineering Education (ASEE): the Cooperative and Experiential Education Division (CEED), the College Industry Partnership Division (CIP), the Continuing Professional Development Divisions (CPD) and the Engineering Technology Division (ETD).

http://www.asee.org/ciec2016

CONTINUING PROFESSIONAL DEVELOPMENT DIVISION

CPDD

CPD fosters the development delivery and improvement of continuing education in all areas that pertain to allied branches of science, technology, engineering and math. CPD provides advocacy for and leadership in lifelong learning, and it creates opportunities for the exchange of information and expertise among providers and consumers of education programs.

http://cpd.asee.org

COORDINATE AND EXPERIENCFAL EDUCATION

CEED

This division strives to develop high principles and maintain the integrity of cooperative education throughout academia and industry. The general goals of the division are to foster a better understanding of cooperative education, improve co-op services to employers, and promote cooperative education in engineering and engineering technology to business and industry both national and international. The division also emphasizes professional standards and accreditation of co-op programs.

http://CEED.ASEE.org

CORPORATE MEMBER COUNCIL

CMC

The Corporate Member Council’s mission is to foster, encourage and cultivate the dialogue between industry and engineering educators.

http://www.asee.org/member-resources/councils-and-chapters/corporate-members-council

ENGINEERING TECHNOLOGY DIVISION

ETD

ETD has as its principal function the support of individual member interests related to the field of engineering technology. Its membership is composed of public and private two- and four- year engineering technology educators from all over the world as well as representatives from industries that employ engineering technology graduates.

http://www.engtech.org

INTERNATIONAL ASSOCIATION FOR CONTINUING ENGINEERING EDUCATION

IAACE

The International Association for Continuing Engineering Education (IAACE) is a global, non-profit and non-governmental organization whose aim is to support and enhance lifelong technical education, training, and advanced engineering education worldwide, including the special needs of developing countries.

http://www.iaace.org
February 3-5, 2016

Austin, TX

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CIEC

8:30 a.m. – 12:00 p.m. CIEC 101
CIEC Executive Board Meeting
Texas 5
The CIEC Board will meet to discuss the 2016 conference and make plans for the 2017 conference to be held in Jacksonville, Florida.
Chair: Paul Jewell, Iowa State University

8:30 a.m. – 5:00 p.m. CPDD 104
IACEE Executive Committee Meeting
Texas 6
Chair: Kim Scalzo, State University of New York

12:00 p.m. – 1:00 p.m. CIEC 111
PICV Luncheon Meeting
Hill Country A & B
Chair: Lea-Ann Morton, Missouri University of Science and Technology

1:00 p.m. – 5:00pm CEED 112
CEED Board Meeting
Texas 7
Chair: Gayle Elliott, University of Cincinnati

3:00 p.m. – 5:00 p.m. CIEC 121
CIEC Management Team Meeting
Hill Country C & D
Chair: Mark Schuver/Mitch Springer, Purdue University

6:00 p.m. – 8:00 p.m. CIEC 131
CIEC General Conference Chair Reception
Foothills 1
Invitation Only
Chair: Mark Schuver/Mitch Springer, Purdue University

Monday, February 1

Pre-Conference Meetings
1:00 p.m. – 4:30 p.m. CPDD 214
CPDD Workshop:
Building and Marketing International Continuing Engineering Education Programs
Hill Country A & B
Ongoing professional development of engineering workforce continues to be a necessity for global organizations. However, for continuing education administrators, building and marketing programs to international organizations requires knowledge of global branding and international business practices, and strategies in forming international partnerships. This workshop will lay out the step-by-step process for building and sustaining international university-to-business continuing engineering education (CEE) programs and partnerships with special focus to marketing and branding. In the second half of the workshop, participants will work on problems on specific international CEE projects and present the solutions.
By completing an extra assignment, you may also earn a badge for IACEE’s CEE Manager’s Certificate Program. Tickets Required: $75
Moderator: Octavio Heredia, Arizona State University
Workshop Facilitators: Soma Chakrabarti, University of Delaware, Zachary Gredlics, University of Kansas, Pat Hall, The University of Tulsa

1:00 p.m. – 4:30 p.m. CIEC 211
Registration
Texas Foyer
Mike Mathews, Registrar

8:00 a.m. – 4:30 p.m. CMC/CIPD 213
CMC Collaborative Workshop
Texas 6
Invite Only
Chair: Paul Jones, ASEE Corporate Member Council

8:30 a.m. – 12:00 p.m. CPDD 224
CPDD Board Meeting
Texas 5
Chair: Paul Jewell, Iowa State University

8:30 a.m. – 12:00 p.m. CIEC 221
New Attendees Get Together: CIEC 101
Texas 1
Please plan to attend this informal welcome/networking event for new conference attendees.
Chair: Mark Schuver/Mitch Springer, Purdue University

1:00 p.m. – 4:30 p.m. CEED 212
CEED Workshop: Harnessing entrepreneurship and value-creation models to innovate experiential education programs
Texas 2 & 3
Are you interested in learning how to be more innovative in offering experiential education programs at your university? This workshop, “Harnessing entrepreneurship and value-creation models to innovate experiential education programs” is for you. Austin was recently ranked as the #1 city in the U.S. for startups by the Kauffman Foundation.
Entrepreneurial mindsets are drivers in an ecosystem which creates innovation. This workshop will build upon the conference theme, with a local flavor, and apply Kauffman value-creation models to identify ways to innovate experiential education programs in higher education. This workshop will take participants through a hands-on process to apply tools, which can create a culture of resource-light, customer-centric, and iterative innovation relevant to their environments.
Michael Manning is an innovative and highly regarded educator and administrator who uses his experience as a corporate executive, entrepreneur, and consultant to develop and teach courses that enrich the classroom experience for students as well as connect executives and serial entrepreneurs to the Price College of Business at the University of Oklahoma, and to Arizona State University through the President’s office.
Presenter: Michael Manning, MBA, Program Manager, Entrepreneurship and Innovation, Arizona State University

6:00 p.m. – 6:45 p.m. CIEC 231
CIEC Opening Reception
Zilker 1 & 2

Denim and Diamonds
Bling up your denim and come have a dazzling time! This is a wonderful opportunity to reconnect with our division colleagues. This is always a highly anticipated event and gets the conference off to a great start. Additional information will be provided to registrants.
Co-Chair: Nancy Kruse & Pat Hall, University of Tulsa
Wednesday Programs

February 3-5, 2016

7:30 a.m. – 5:00 p.m.  CIEC 371
Registration
Texas Foyer
Mike Mathews, Registrar

7:30 a.m. – 8:45 a.m.  CIEC 301
All Conference Continental Breakfast
Marker 10 Foyer/Patio
Chair: Mark Schuver/Mitch Springer, Purdue University

7:30 a.m. – 9:30 a.m.  CIEC 311
Companions Breakfast
Southwest Bistro
All registered companions are invited to breakfast in the Southwest Bistro on the second floor.
Chair: Linda Schuver

9:00 a.m. – 10:30 a.m.  CIEC 321
CIEC Welcome and Opening Plenary
Texas Ballroom
Bob Metcalfe is Professor of Innovation in the Cockrell School of Engineering at The University of Texas at Austin, and Murchison Fellow of Free Enterprise. He invented Ethernet in 1973 and founded 3Com Corporation in 1979. He is a member of the National Academy of Engineering and received the National Medal of Technology for his leadership in inventing, standardizing, and commercializing Ethernet.
Moderator: Sharon L. Wood, Dean of the Cockrell School of Engineering at The University of Texas Austin.
Speaker: Robert Metcalf, Professor of Innovation at UT Austin and Inventor of the Ethernet
Further presentation information will be provided to registrants.

10:30 a.m. – 1:30 p.m.  CIEC 341
Companions
AUSTIN EATS FOOD TOUR

10:30 a.m. – 1:30 p.m.  CIEC 331
Refreshment Break
Texas Foyer

11:00 a.m. – 12:30 p.m.  CEED 312
Utilizing University and Industry Resources to Facilitate International Experiential Learning
Hill Country C & D
Come discuss the processes and design strategies necessary in creating study abroad courses for engineering students in both mandatory and optional cooperative education programs.
Come learn about the successes of cooperative education students working with industry on cutting-edge projects, have onsite visits with international companies, and interface with executives and key managers on a personal level.
Moderator: Kyle Liechty, Michigan State University
Presenters: Jennifer Evanuik, Georgia Institute of Technology
Gayle Elliott, University of Cincinnati
Maureen Schomaker, University of Cincinnati
Ramesh Yerraballi, UT Austin

Wednesday, February 3
11:00 a.m. – 12:30 p.m. CIPD 313
Comparison of IP Policies of Several Universities
Texas 5
The IP policies currently in existence at several universities that are similar in size, research portfolio, and similar missions are presented and also compared with some universities that have been at the forefront of making changes in these policies. We will present our initial findings of the IP policies of various universities and put that in perspective of the changing landscape of university-industry collaborations.

Moderator: Lori Glover, MIT
Presenter: Ranji Vaidyanathan, Oklahoma State University

Creating an Effective University/Corporate Partnership
An effective university/corporate partnership requires effective communication, clear expectations, and perceived value from both parties. The presenter served as The Boeing Company’s Executive Focal for their relationship with Missouri University of Science & Technology (Missouri S&T) and was a CIEC presenter in 2012. After a successful 37 year career at Boeing, he now serves as Missouri S&T’s first Executive Director of Corporate Relations. During this presentation, you will hear unique perspectives on university/corporate relations from both corporate and university viewpoints and lessons learned throughout.

Presenter: John Eash, Executive Director of Corporate Relations at Missouri S&T

11:00 a.m. – 12:30 p.m. ETD 315
Innovation in ET Curriculums
Texas 6 & 7
Industry needs engineering technologists, but many students drop out of their programs for a variety of reasons. Representatives will share how their colleges and universities are addressing issues related to student retention and the development of new programs.

Moderator: Walt Buchanan, Texas A&M University

Presentations and Presenters:
- Modernizing How Students Are Introduced to Engineering Technology
  Andrew Deceuster, Weber State University.
- Teaching Construction Spanish in the Context of Construction Rather Than in the Context of a Foreign Language
  Brian Sandford, Pittsburg State University.
- Using Speech Recognition as an Assessment Tool to Enhance Language Learning: The Development of Pronunciation
  Don Ploger and Rosemary Rahill, Florida Atlantic University.
- Calculus Without Limits
  Andrew Grossfeld, Vaughn College of Technology.
- Leading the Way with Interdisciplinary Design Teaching
- Planning and Developing an Online Course
  Ali Mehrabian, Daytona State College, Walter W. Buchanan, Texas A&M University, and Alireza Rahrooh, Daytona State College.

11:00 a.m. – 12:30 p.m. CPDD 314
Building a Robust Infrastructure for Continuing & Professional Education
Hill Country A & B
An engineering college at a large, land-, sea-, and space-grant university in the Southwestern United States unleashed an effort to strategically grow continuing education and workforce development activities. Among the challenges was creating a new system that will also embrace the current practices of more than 30 centers within the domain of engineering at this institution and implement this service by the fall semester of 2015. The session will present the interactions, technologies, and critical pieces that will carry it to success.

Moderator: Tamara Swann, Mississippi State University
Presenter: Yakut Gazi, Texas A & M
12:45 p.m. – 1:45 p.m.  
CIEC 351  
**CIEC Awards Luncheon**  
Texas 1, 2, and 3  
The CIEC Awards Luncheon is a great opportunity for networking with colleagues and an opportunity to recognize the CIEC 2015 award winners from Palm Springs.  
*Chair: Ilka Balk, University of Kentucky*

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2:00 p.m. – 3:30 p.m.  
CEED 322  
**The Centers for Academic Excellence and CyberCorps Scholarship for Service Programs**  
Hill Country C & D  
This session will provide information on partnerships with the National Security Agency, Department of Homeland Security, and designated CAE schools to produce the knowledge and skills required to work in the cybersecurity field. Information will also be provided on The Scholarship for Service program which offers scholarships to college students pursuing cyber-related degrees in return for government service upon graduation. Find out more about government training and education resources!  
*Moderator: Breann Gorham, Grand Valley State University*  
*Presenters: Dan Stein, U.S. Department of Homeland Security*  
G.B. Cazes, Cyber Innovation Center  
Lynne Clark, National Security Agency (NSA)*

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2:00 p.m. – 3:30 p.m.  
CIPD 323  
**The Skill Summit Story**  
Texas 5  
The Skill Summit story describes the creation of a permanent venue for academic, industry, and government partnerships at Boise State University. This has been done by providing a venue for industry leaders, faculty members, and government leaders to collaborate in ways that improve workplace readiness and decrease time to competent performance on the job, forming partnerships between those who graduate future employees and those who hire them, spotlighting local businesses and the university as the statewide leaders in purposeful college-to-career transitions, and by creating a venue for continuous trans-disciplinary community engagement, rather than a one-time event. The Skill Summit story will be shared with the conference participants.  
*Moderator: Linda Thurman, University of North Carolina at Charlotte*  
*Presenter: Steve Villachica, Boise State University*

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**Engineering Course with Real-world Design Objectives**  
This presentation will describe how a team from academia and industry was created to invent a new way to educate future engineers through teaching the interaction between modeling and testing and the integration of these two aspects of engineering for the development of robust, long-lasting and safe vehicles. Learn how Clemson University and Honda R&D learned how to work together on this project and how the process works in industry.  
*Presenter: David Schmueser, Clemson University*
**Wednesday Programs**

**2:00 p.m. – 3:30 p.m.**  
**CPDD 324**  
*Administrator's First 90 Days and Beyond: Creating a Winning Strategy to Drive Change at a New Workplace*  
**Hill Country A & B**

What happens when a seasoned continuing education administrator assumes a position at another institution? Often the first 90 days are relegated to learning the realities (vs. the perception and communications offered in the interview phase) of the state of the business and managing a flow of transition management that encompasses: onboarding, data collection and learning, team building and staff alignment, goal alignment, strategy, and networking. The presenters will show how they addressed the first 90 days and have used MarketCues SmartPlan360o and IACEE Quality Program to become the change agents in their new positions and plot courses for institutional success.

*Moderator: Erin Tanaka, University of Southern California*  
*Presenters: Soma Chakrabarti, University of Delaware  
Eric Roe, University of Texas at Austin*

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**ETD 365**  
*Internet of Things with Cypress PSoC 4 BLE*  
*Foothills II*

The Internet of Things is all the rage, come to this workshop to:
- Learn all about the latest Cypress PSoC 4 BLE technology. PSoC is a family of mixed signal (analog, digital, and embedded MCU), programmable devices integrated with a BLE. PSoC is truly the world’s first Programmable System-On-Chip (more info @ www.cypress.com)
- Leave with the knowledge of PSoC Architecture and PSoC Creator Software and learn how you can quickly create an IoT node.
- Includes FREE demo kit ($50 value).

*Presenter: Patrick Kane, Director, Cypress University Alliance*

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**2:00 p.m. – 3:30 p.m.**  
**ETD 325**  
*Dean's Panel: What is the Role of the Assistant, Associate, & Full Professors and How Do They Adapt After Promotion*  
**Texas 6 & 7**

Several prominent Dean's will discuss "What is the Role of Assistant, Associate, and Full Professors and how do they adapt after promotion?" and may include other faculty designations (adjunct, lecturer, clinical, etc.). The panel will start with a few brief opening comments for background and then this session will be mostly Q&A.

*Moderator: Mike Strange, California Maritime Academy*  
*Presenters: Dean Dennis Depew, East Tennessee State  
UniversityDean David Russomanno, Indiana University-Purdue University Indianapolis  
ABET Representative TBA*

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**3:30 p.m. – 4:00 p.m.**  
**CIEC 361**  
*Refreshment Break*  
**Texas Foyer**

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**4:00 p.m. – 5:30 p.m.**  
**CEED 332**  
*Employee Engagement and Retention Through Co-ops and Internships*  
**Hill Country C & D**

University representatives will discuss innovative programming which assists students in financing their education, gaining relevant work experience which results in obtaining full-time employment upon graduation. Industry representatives will discuss their ROI.

*Moderator: Mohammad Moin Uddin,  
East Tennessee State University*  
*Presenters: Duane Crockrom, CSU-Parker Hannifin Corporation  
Steve Heethuis, NN Autocam  
Anette Karlsson, Cleveland State University  
Paul Plotkowski, Grand Valley State University*
Wednesday, February 3

4:00 p.m. – 5:30 p.m.  
**University of Cincinnati Simulation Center**  
**Texas 5**

The UC Simulation Center was established as a collaborative effort between UC’s Mechanical Engineering Department and Procter & Gamble. The center provides P&G with cost-effective, high-value virtual modeling and simulation capacity and capability while developing a talent pipeline for future recruitment. This presentation will cover the details about the partnership that have led to a successful venture with benefits for both UC and P&G. Sample project histories will be provided to demonstrate the benefit to students during the course of their studies.

*Moderator: Letha Hammon, DuPont (Retired)*  
*Presenters: Brent Rudd and Fred Murrell, University of Cincinnati*

Dassault Design Institute, A Model Industry Education Collaboration

Dassault Design Institute (DDI) was founded in 2011 through an agreement (MOU) between Embry-Riddle Aeronautical University (ERAU) and Dassault to provide undergraduate and graduate students at ERAU an opportunity to participate in industry-scale design projects. Projects were carefully selected by Dassault Engineers and ERAU faculty to touch on all aspects of a real-world problem.

*Presenters: Lionel De La Seyette, Dassault Aviation  
Maj D. Mirmirani, Embry-Riddle Aeronautical University*

4:00 p.m. – 5:30 p.m.  
**Filling the Need and Promoting Solutions in Cybersecurity**  
**Hill Country A & B**

The need for well trained and educated individuals in the cybersecurity arena is growing. These positions are excellent opportunities for women to join the cybersecurity workforce. Today, while the workforce is composed of 50% women, only around 10 to 15% of those in cyber jobs are women. The National Cybersecurity Institute (NCI) at Excelsior College, located in Washington, D.C. has launched an Initiative for Women in CyberSecurity (IWICS), to offer support and solutions to women interested in entering the field. Join us in this enlightening presentation that will raise awareness and help transform traditional gender images in the field to open opportunities for women of today and the future.

*Moderator: Hiroyuko Iino, Iowa State University  
Presenter: Jane LeClair, National Cybersecurity Institute at Excelsior College*

4:00 p.m. – 6:00 p.m.  
**ETD Board Meeting**  
**Foothills II**

Scott Danielson, ETD Chair, will lead a discussion among continuing and newly elected board members about ETD projects and initiatives for 2016. All ETD members are also invited.

4:00 p.m. – 6:00 p.m.  
**CMC Board Meeting**  
**Big Bend**

Chair: Dan Sayre, CMC Chair

6:00 p.m.  
**CPDD and IACEE Hospitality Event**  
**Suite 1601**

Hosts: Terri Gaffney, University of Idaho, Rita Burrell, Mississippi State University

6:00 p.m.  
**CIPD and CEED Hospitality Event**  
**Suite 1510**

Hosts: Sandra English, Ranji Vaidyanathan, and the CEED and CIP Board Members

6:00pm  
**ETD Hospitality Event**  
**Suite 1531**

Host: Dave Goodman, Indiana University/Purdue University Indianapolis (IUPUI)
Thursday, February 4

**Industry Day**

7:30 a.m. – 12:00 p.m.  CIEC 461  
Registration  
Texas Foyer  
*Mike Mathews, Registrar*

7:30 a.m. – 8:45 a.m.  CIEC 401  
Companions Breakfast  
Southwest Bistro  
*All registered companions are invited to breakfast in the Southwest Bistro on the second floor. Information about the tours and events for companions will be discussed.*  
*Chair: Linda Schuver*

9:00 a.m. – 9:45 a.m.  CIEC 411  
CIEC Industry Day Plenary  
Texas 1, 2, & 3  
From Associates to PhD, earning a degree in engineering is a great accomplishment, but the drive to learn and achieve that propelled students to reach graduation cannot stagnate once on the job. To ensure that the highest levels of innovation, personal effort, and career satisfaction are consistent and pervasive within the engineering organization’s culture, the company’s leaders must provide opportunities within role and within the organizational environment at large to facilitate progressive learning and accomplishment among these key human resources. An experience-based description on how alignment of work opportunities to what truly speaks to an engineer’s value system will be presented.  
*Moderators: Mark Schuver & Mitch Springer*  
*Speaker: Ben Eynon, Senior Director, Engineering Development at Samsung Electronics*

7:30 a.m. – 8:45 a.m.  CEED 412  
CEED Breakfast and Business Meeting  
Hill Country C & D  
*Chair: Gayle Elliott, University of Cincinnati*

7:30 a.m. – 8:45 a.m.  CIPD 413  
CIPD Breakfast and Business Meeting  
Texas 5  
*Chair: Letha Hammon, DuPont*

7:30 a.m. – 8:45 a.m.  CPDD 414  
CPDD Breakfast and Business Meeting  
Hill Country A & B  
*Chair: Paul Jewell, Iowa State University*

7:30 a.m. – 8:45 a.m.  ETD 415  
ETD Breakfast and Business Meeting  
Texas 6 & 7  
Join the ETD leadership as they discuss pertinent division information as well as upcoming events and activities. All ETD members are encouraged to attend.  
*Chair: Scott Danielson, Arizona State University*

7:30 a.m. – 3:30 p.m.  CIEC 421  
Companions Tour  
**Austin Hill Country**  
Off Site  
Ticketed participants should meet in main lobby at 9:15 a.m. For additional information, see page 22.  
*Chair: Linda Schuver*
Thursday, February 4

10:00 a.m. – 10:45 a.m.
CIEC 431
Refreshment Break
Texas Foyer

Expo Open
Texas 4

Poster Session Set-up
Texas 1, 2, 3

Expo Chair: Candace House Texiera, University of Southern California
Poster Chair: Rita Burrell, Mississippi State University

11:00 a.m. – 12:30 p.m.
CEED 422
CEED Industry Roundtable
Hill Country C & D

Panelists representing a variety of industries will discuss linking the co-op sessions breath vs. depth, how does the business assign the co-op rotation if a student does not have an interest but it is the business need. Panelists will share their company’s programs, recruiting co-ops vs. interns and best practices

 Moderator: Reginald McGregor, Rolls-Royce Corp.
 Presenters: Gregory Martin, ExxonMobil
 Juli Chrispen, Turner Construction
 Duane Crockrom, CSU-Parker Hannifin Corporation

11:00 a.m. – 12:30 p.m.
CIPD 423
CIPD Industry Roundtable
Texas 5

Industrial and corporate representatives from the College-Industry Partnership Division will discuss the criteria for the development of successful partnerships with academia and why it is so difficult to develop partnerships that will meet the needs of both organizations, academia and industry. Audience participation will be encouraged to build upon the thoughts of the panelists and share experiences with development and maintenance of successful partnerships.

 Moderator: Ben Zoghi, Texas A & M
 Panelists: Charles Baukal, John Zink Co.
 David Schmueser, Altair Engineering
 Jeff Smith, Schneider Electric
 Dave Wilson, National Instruments

11:00 a.m. – 12:30 p.m.
CPDD 424
CPDD Industry Roundtable
Hill Country A & B

The 2016 CIEC CPDD Industry Roundtable will focus on the identification of, and partnership formation with, our industry customers. Specifically, we will present two short topics discussing a cross-university model for identifying our customer base, followed by the presentation of a customer-centric model in support of corporate-university partnerships. These two presentations will be followed by a roundtable customer perspective of what is desired and required from our collaborating universities. An open panel discussion will follow thereafter.

 Moderator: Barry Willis, University of Idaho
 Presenters: Rachel LeBlanc, Worcester Polytechnic Institute
 Mitch Springer, Purdue University

11:00 a.m. – 12:30 p.m.
ETD 425
ETD Industry Roundtable
Texas 6 & 7

Several prominent Industry leaders will discuss educational gaps from academia to industry and how they developed and adapted solutions. They will provide case studies and the audience will join to discuss best practices, alternate solutions, etc.

 Moderator: Betsy Dell, Rochester Institute of Technology.
 Presenters: Wayne Payack, Vice President, Advanced Engineering
 SMS Leader, Fearless Innovation Team, Stanley
 Security Energy Manager
 Timothy Flynn, CEM CMVP Energy Manager,
 Roudebush VA Medical Center
Thursday, February 4

12:45 p.m. – 1:45 p.m.  CIEC 441

Industry Day Luncheon
Texas 1, 2, & 3

Join your colleagues as we continue our networking dialogue regarding industry/academic partnerships and collaborative activities. Special awards will also be presented to the corporate and academic sponsors of CIEC 2016.

Chair: Mark Schuver & Mitchell Springer, Purdue University

2:00 p.m. – 3:30 p.m.  CEEED 432

Industry and University Partnerships
Hill Country C & D

This interactive session will include discussion of strategies to developing and strengthening relationships with companies. Industry representatives will provide approaches to recruiting the best talent and how to identify when a university is providing the resources to achieve this goal. What strategies are needed to help recruit and place underrepresented students.

Moderator: Woodrow Whitlow, Cleveland State University

Presenters: Angie Chrestman, Mississippi State University
Duane Crockrom, CSU-Parker Hannifin Corporation
Jackie Herold, University of Central Florida
Kurt Mandeville, National Instruments
Veibhau Kumar, Texas Instruments
Jori Psencik, Texas Instruments

2:00 p.m. – 3:30 p.m.  CIPD 433

SMART Campus Industry/Univ. Educational Initiative at Texas A&M
Texas 5

At Texas A&M University (TAMU), a private industry partner, Schneider Electric, is sponsoring a concept, where in addition to supporting the development of a new tech elective course on “Energy Management,” a “LIVE” laboratory has been set up for the design and deployment of a real-time energy monitoring system in the electrical engineering department to educate students on energy efficiency and smart building design. The goal of the course is to study different buildings on campus and, by using real-world audit techniques and analyzing actual campus building data, propose a technical/financial solution to make it SMART.

Moderator: Beth Bryant, Georgia Institute of Technology

Presenters: Ben Zoghi and Allison Sartor, Texas A&M University

2:00 p.m. – 3:30 p.m.  CPDD 434

Creating Graduate & Professional Education For Industry Impact –The Stanford SCPD Story
Hill Country A & B

Learn how the Stanford Center for Professional Development (SCPD), part of Stanford University’s School of Engineering, created a professional portfolio to complement its existing graduate education offerings to industry. This interactive session will share an SCPD case study and also, teach participants how to use design thinking methods. Learn how your organization can use innovation techniques (as SCPD did) to developing complimentary portfolios while keeping a pulse on future trends and themes with MOOC providers.

Moderator: Susan Gates, The University of Tulsa

Presenters: Carissa Little, Stanford University
Paul Marco, Stanford University

2:00 p.m. – 3:30 p.m.  ETD 435

ET National Forum
Texas 6 & 7

The Engineering Technology National Forum (ETNF) is an action arm of the ASEE Engineering Technology Council that provides a continuity of effort in taking internal and anecdotal discussions to a higher level to investigate them factually, and to turn high-level issues into action items of national impact. The ETNF also works closely with the Engineering Technology Leaders Institute to develop the program for the conference held in Washington, DC each fall.

This CIEC session will report on activities and seek input from attendees on current and potential future activities that impact Engineering Technology nationally. Ongoing activities include:

1. Follow up on the NSF sponsored study by the NAE examining the status, role, impact, and needs of Engineering Technology education in the United States
2. Development of ET value statements to support marketing of ET programs nationally
3. Development of national website documenting ET Career Successes in engineering
4. Initiative to validate “applied engineering” as an accreditable title for BS-ET programs

Discussion Leader: Ron Land, Penn State University

Moderator: Alex Sergeyev, Michigan Technological University
Thursday, February 4

Industry Day

2:00 p.m. – 3:30 p.m.  ETD 455
ECETDHA Board Meeting
Foothills 1

3:30 p.m. – 3:50 p.m.  CIEC 451
Refreshment Break
Texas Foyer
Expo Open
Texas 4
Poster Session Set-up
Texas 1, 2, 3
Expo Chair: Candace House Texiera, University of Southern California
Poster Chair: Rita Burrell, Mississippi State University

4:00 p.m. – 5:30 p.m.  CEED 442
How to Develop Sustainable Models for Facilitating International Co-Ops and Internships
Hill Country C & D

This interactive presentation will present and discuss university-corporate partnerships that develop internships and co-ops for students abroad. We will present successful models while outlining potential challenges and hurdles that can be overcome with developing such endeavors. Each presenter will share guidelines, polices, and procedures to consider when developing international co-ops and internships.

Moderator: Bernadette Friedrich, Michigan State University
Presenters: Jennifer Evanuik, Georgia Institute of Technology
Alison Reynolds, Clemson University

4:00 p.m. – 5:30 p.m.  CIPD 443
Science of Baseball STEM Outreach Program
Texas 5

The Science of Baseball is a series of programs and initiatives with the objective to promote STEM through classroom theory and practical applications of the sport of baseball. The program provides a mechanism for elementary and middle school students to improve their academic performance. The goal is to translate the American love of baseball into an appreciation, understanding, and passion of the science and mathematics underlying the sport. The Science of Baseball showcases how the collaboration between Industry and University can come together, and have a significant positive impact on local communities (primarily as it relates to the ever challenging effort of encouraging young students to pursue STEM related fields).

Moderator: Terri Schultz, Project Lead the Way
Presenters: Maj. Danny Thebeau, and Capt. Thomas Ryan, West Point and Ricardo Valerdi, University of Arizona

Corporate Collaboration with Diversity Student Programs at UT Austin
Texas 5

In the Cockrell School of Engineering at The University of Texas at Austin, there are two strong diversity programs that have had great success in recruiting, retaining and graduating underrepresented students. The Equal Opportunity in Engineering (EOE) Program and the Women in Engineering Program (WEP) strategically partner with corporations that financially support initiatives, provide in-kind contributions, offer student scholarships, and engage engineering role models to connect with program participants. In this presentation, how the collaboration with corporations is integrated throughout our programs and how corporate representatives and role models are engaged will be showcased. The highlights of effective messaging research and proven tactics for recruiting diverse engineering students will also be presented.

Moderator: Terri Schultz, Project Lead the Way
Presenters: Enrique Dominguez and Tricia Berry, University of Texas at Austin
Thursday, February 4

4:00 p.m. – 5:30 p.m.    CPDD 444
CPDD Charette: Sharing Our Innovative Practices
Hill Country A & B

Share your success stories regarding innovation practices you have implemented or are planning, along with questions and ideas for your peers in this highly interactive discussion about best practices and lessons learned in the continuing professional education field. Let’s plan for the future together!

Moderator: Pat Hall, The University of Tulsa

4:00 p.m. – 5:30 p.m.    ETD 445
Recruitment and Retention of Diverse ET Faculty & Students
Texas 6 & 7

Creative ideas, strategies, and case studies of methods to attract and retain diverse faculty and students.

Moderator: Moin Uddin, East Tennessee State University

Presentations and Presenters:
Women in Engineering Technology at XXX: Strategies to Recruit, Retain and Advance Women Engineering Technology Faculty and Students
Elizabeth Dell, Rochester Institute of Technology

Reflections on the 2015 Females in Technology (Fit) Summer Boot Camp for Recruiting Females into Technology Disciplines
Evelyn Sowells, North Carolina A&T State University

Minority Engineering Advancement Program @ IUPUI
Patrick Gee, Indiana University-Purdue University Indianapolis

Using Industrial Experiences for Recruitment & Retention: an IAC Case Study
David Goodman, Indiana University-Purdue University Indianapolis

4:00 p.m. – 6:00 p.m.    ETD 465
JET Board Meeting
Foothills 1

Chair: Vladimir Genis

6:00 p.m.    CEED 452
CEED Awards Reception
Uncle Julio’s Fine Mexican Food 301 Brazos St. Suite 150

This special gathering will honor the winners of this year’s CEED Awards: Co-op Student of the Year, Intern Student of the year, The Alva K. Borman Award and the Takacs Employer of the Year Award. Join your CEED colleagues in congratulating the winners and enjoy light refreshments to start off the evening.

Hosts: CEED Board and Awards Committee
Friday, February 5

8:00 a.m. – 10:10 a.m.
CIEC 371
Registration
Texas Foyer

Mike Mathews, Registrar

8:00 a.m. – 9:15 a.m.
CEED 502
CEED Breakfast & 2017 CIEC Planning
Hill Country C

All CEED members are invited to share their ideas about programs/sessions for the 2017 CIEC conference.

Robin Hammond, Arizona State University
Christopher Plouff, Grand Valley State University

8:00 a.m. – 9:15 a.m.
CIPD 503
CIPD Breakfast & 2017 CIEC Planning
Suite 1510

All CIP and CMC members are invited to share their ideas about programs/sessions for the 2017 CIEC conference.

Ranji Vaidyanathan, Oklahoma State University
Terri Schulz, Project Lead the Way

8:00 a.m. – 9:15 a.m.
CPDD 504
CPDD SIG Breakfast & 2017 CIEC Planning
Hill Country A & B

Meet with a Special Interest Group, which includes: Administration, Faculty, International, Industry and Delivery. Share ideas for workshops and sessions that you would like to either present or attend at CIEC 2017.

Moderator: Mark Schuver, Purdue University
Presenter: Rita Burrell, Mississippi State University

9:30 a.m. – 10:45 a.m. CEED 512
Innovation and Sustainability for Student and Professional Development
Hill Country C

Let’s take theory to practice, like co-op. In this session we will review several student development, career, and learning theories what can provide practitioners with an in-depth understanding of students which in turn, can help us develop relevant and meaningful programs that focus on students, their learning experience, and their future success. Also, from Co-op Coordinators to Career Services officials - This session will provide tips for assisting students to use internal and external tools to co-op or intern. We will discuss how some colleagues provide students with excellent “fishing lessons” instead of just “handing out fish.”

Moderator: Vickie Kuntz, University of Toledo
Presenters: John Bau, University of Connecticut
Lisa Massi, University of Central Florida

9:30 a.m. – 10:45 a.m. CIPD 513
CIPD Board Meeting
Suite 1510

The CIPD Board will meet to discuss plans for the ASEE annual conference in Austin, CIEC 2017 in Jacksonville, FL and special division activities. All CIPD members are invited to attend.

Chair: Terri Schulz, PLTW

8:00 a.m. – 9:15 a.m.
ETD 505
ETD Breakfast & 2017 CIEC Planning
Hill Country D

Join in fellowship with Engineering Technology Division members from around the globe.
9:30 a.m. – 10:45 a.m.
CPDD 514
Repurposing Media for Engineering Education
Hill Country A & B

There are a variety of pedagogies for distance engineering education among CPD member institutions. Even among those that record and distribute media of class sessions and group meetings as part of their pedagogy, each does it a bit differently to match their particular needs and assets. This moderated panel discussion offers a brief overview of the similarities and differences in how these programs “produce” media to support instruction for distance students and expand on how each is finding value in repurposing or expanding the use of these media assets to further serve the mission of their institutions.

Moderator: Ann Rausch, University of Minnesota
Presenters: Douglas Ernie, University of Minnesota, Ron Fitch, University of Minnesota, Matt Carver, Iowa State University, Marty Ronning, University of Maryland, Greg Ruff, Auburn University

9:30 a.m. – 10:45 a.m.
ETD 515
New Courses in Engineering Technology
Hill Country D

Several engineering technology programs are adding new courses to keep their programs state-of-the-art and to aid in student learning. Learn how these Universities developed courses in Six Sigma and Applied Statistics, and an Experimental Vehicle Program. Learn how others converted traditional to blended learning format, used an on-line portfolio system, and use small business support for product development to enhance the curriculum.

Moderator: Walt Buchanan, Texas A&M University

Presentations and Presenters:
Six Sigma and Applied Statistics: A New Course in Electronic Systems Engineering Technology
Wei Zhan, Texas A&M University

Experimental Vehicle Program (EVP)-New Courses in Engineering Technology Curriculum
Saeed D. Foroudastan, Karly A. Danhausen, and Chelsea R. Nihill, Middle Tennessee State University

Blended Learning Course Redesign for Manufacturing Engineering Technology
Rick W. Orr, Weber State University

Integrating On-line Portfolios in Engineering Technology
11:00 a.m.– 6:00 p.m.  
CIEC 501  
Golf Networking Event  
Off-Site  

*Luther Epting Golf Classic Avery Ranch Golf Club*  
The Luther Epting Golf Classic is a wonderful way to enjoy Austin and participate in face-to-face networking opportunities with conference participants, companions and guests. A bag lunch will be served at 11:45 a.m. At 12:15 p.m. the Best-Ball Scramble Format will be held, a wonderful activity for both newcomers and experienced golfers. After an afternoon of great exercise and perhaps sharing of “golfing tales”, participants will have dinner at the golf club’s restaurant and celebrate their accomplishments. This event is co-sponsored by RoMan Manufacturing, Inc., Quanser, and Grand Valley State University. However, individuals must have preregistered and tickets are required to cover additional costs of the event. Cost: $60 per person. Depart from hotel main lobby at 11:15 a.m.  

*Coordinator: Paul Plotkowski, Grand Valley State University*

11:00 a.m.– 12:15 p.m.  
ETD 525  
Potpourri of Creative Ideas  
Hill Country D  

Creative ideas and inspiring papers are included in this session. Contributions span from integrating safety into the curriculum, to ethics, to a student writing exercise on difficult thermodynamics topics, as well as an innovative teaching tool for tablets.  

*Moderator: Ryan Storz, California Maritime Academy*  

*Presentations and Presenters:*  
Integrating Safety and Education  
*Julie Dainty and Ann Petersen, Pittsburg State University*  

Turning Turtle: Engineering Lapse, Human Error, and Ethics  
*Marilyn A. Dyrud, Oregon Institute of Technology*  

Thermodynamics for Dummies  
*Tatiana V. Goris, Purdue University*  

Ydraw: Teaching tool for Tablets  
*Ramesh Yerrabelli, University of Texas at Austin*

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11:00 a.m.– 12:15 p.m.  
CIEC 511  
2016 Debriefing to 2017 Management Team  
Hill Country A & B  

*Chair: Mark Schuver & Mitch Springer, Purdue University*
### CIPD Programs at a Glance

#### Wednesday, February 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Program</th>
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<tbody>
<tr>
<td>7:30 a.m - 8:45 a.m.</td>
<td>CIEC 301</td>
<td>All Conference Continental Breakfast</td>
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<td>Marker 10 Foyer/Patio</td>
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<tr>
<td>9:00 a.m - 10:30 a.m.</td>
<td>CIEC 321</td>
<td>CIEC Welcome and Opening Plenary</td>
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<td>Texas Ballroom</td>
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<tr>
<td>11:00 a.m - 12:30 p.m.</td>
<td>CIPD 313</td>
<td>Comparison of IP Policies of Several Universities</td>
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<td></td>
<td>Creating as Effective University/Corporate Sponsorship</td>
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<tr>
<td>12:45 p.m - 1:45 p.m.</td>
<td>CIEC 351</td>
<td>CIEC Awards Luncheon</td>
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<td>Texas 1, 2, and 3</td>
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<tr>
<td>2:00 p.m - 3:30 p.m.</td>
<td>CIPD 323</td>
<td>The Skill Summit Story</td>
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<td>Texas 5</td>
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<tr>
<td>3:30 p.m - 4:00 p.m.</td>
<td>CIEC 361</td>
<td>Expo Open</td>
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<td>Texas 4</td>
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<tr>
<td>4:00 p.m - 5:30 p.m.</td>
<td>CIPD 333</td>
<td>University of Cincinnati Simulation Center</td>
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<td>Creating as Effective University/Corporate Sponsorship</td>
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<tr>
<td>4:00 p.m. - 6:00 p.m.</td>
<td>CIPD 342/CMC</td>
<td>CMC Board Meeting</td>
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<tr>
<td>6:00 p.m.</td>
<td>CIPD 343/CEED 344</td>
<td>CIPD/CEED Hospitality Event</td>
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#### Thursday, February 4

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30 a.m - 8:45 a.m.</td>
<td>CIPD 413</td>
<td>CIPD Breakfast and Business Meeting</td>
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<td>Texas 5</td>
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<tr>
<td>9:00 a.m - 9:45 a.m.</td>
<td>CIEC 411</td>
<td>CIEC Industry Day Plenary</td>
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<td>Texas 1, 2, 3</td>
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<tr>
<td>10:00 a.m - 10:45 a.m.</td>
<td>CIEC 431</td>
<td>EXPO Open</td>
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<td>Texas 4</td>
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<td></td>
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<td>Poster Sessions</td>
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<tr>
<td>11:00 a.m - 12:30 p.m.</td>
<td>CIPD 423</td>
<td>CIPD Industry Roundtable</td>
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<td>Texas 5</td>
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<tr>
<td>12:45 p.m - 1:45 p.m.</td>
<td>CIEC 441</td>
<td>Industry Day Luncheon</td>
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<td>Texas 1, 2, 3</td>
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<tr>
<td>2:00 p.m - 3:30 p.m.</td>
<td>CIPD 433</td>
<td>SMART Campus Industry/University Educational Initiative at Texas A&amp;M</td>
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<td>Texas 5</td>
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<tr>
<td>3:30 p.m - 3:50 p.m.</td>
<td>CIEC 451</td>
<td>EXPO Open &amp; Poster Sessions</td>
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<td>Texas 4</td>
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<td>Poster Session</td>
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<tr>
<td>4:00 p.m - 5:30 p.m.</td>
<td>CIPD 443</td>
<td>Science of Baseball STEM Outreach Program</td>
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<td>Creating as Effective University/Corporate Sponsorship</td>
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<td>Texas 5</td>
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#### Friday, February 5

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<tbody>
<tr>
<td>8:00 a.m - 9:15 a.m.</td>
<td>CIPD 503</td>
<td>CIPD Breakfast &amp; 2017 CIEC Planning</td>
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<td>Suite 1510</td>
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<tr>
<td>9:30 a.m - 10:45 a.m.</td>
<td>CIPD 513</td>
<td>CIPD Board Meeting</td>
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<td>Suite 1510</td>
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## CPDD Programs at a Glance

**Tuesday, February 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30 - 5:00 p.m.</td>
<td>CIEC 211</td>
<td>Registration</td>
</tr>
<tr>
<td>8:30a.m - 12:00 p.m.</td>
<td>CPDD 224</td>
<td>CPDD Board Meeting</td>
</tr>
<tr>
<td>1:00p.m - 4:30p.m.</td>
<td>CPDD 214</td>
<td>CPDD Workshop: Building and Marketing International</td>
</tr>
<tr>
<td>6:00 - 6:45 p.m.</td>
<td>CIEC 221</td>
<td>New Attendees Get Together: CIEC 101</td>
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**Wednesday, February 3**

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<thead>
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<tbody>
<tr>
<td>7:30a.m - 8:45a.m.</td>
<td>CIEC 301</td>
<td>All Conference Continental Breakfast</td>
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<tr>
<td>9:00a.m - 10:30 a.m.</td>
<td>CIEC 321</td>
<td>CIEC Welcome and Opening Plenary</td>
</tr>
<tr>
<td>11:00a.m - 12:30p.m.</td>
<td>CPDD 314</td>
<td>Building a Robust Infrastructure for Continuing &amp; Professional Education</td>
</tr>
<tr>
<td>12:45p.m - 1:45p.m.</td>
<td>CIEC 351</td>
<td>CIEC Awards Luncheon</td>
</tr>
<tr>
<td>2:00 p.m - 3:30 p.m.</td>
<td>CPDD 324</td>
<td>Administrators 1st 90 Days and Beyond</td>
</tr>
<tr>
<td>3:30 p.m - 4:00 p.m.</td>
<td>CIEC 361</td>
<td>Expo Open</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>CPDD 344</td>
<td>CPDD and IACEE Hospitality Event</td>
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**Thursday, February 4**

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<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30a.m - 8:45a.m.</td>
<td>CPDD 414</td>
<td>CPDD Breakfast and Business Meeting</td>
</tr>
<tr>
<td>9:00a.m - 9:45a.m.</td>
<td>CIEC 411</td>
<td>CIEC Industry Day Plenary</td>
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<tr>
<td>10:00a.m - 10:45a.m.</td>
<td>CIEC 431</td>
<td>Expo Open</td>
</tr>
<tr>
<td>11:00a.m - 12:30p.m.</td>
<td>CPDD 424</td>
<td>CPDD Industry Roundtable</td>
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<tr>
<td>12:45p.m - 1:45p.m.</td>
<td>CIEC 441</td>
<td>Industry Day Luncheon</td>
</tr>
<tr>
<td>2:00p.m - 3:30p.m.</td>
<td>CPDD 434</td>
<td>Creating Graduate &amp; Professional Education For Industry Impact - The Stanford SCPD Story</td>
</tr>
<tr>
<td>3:30p.m - 3:50p.m.</td>
<td>CIEC 451</td>
<td>Expo Open</td>
</tr>
<tr>
<td>4:00p.m - 5:30p.m.</td>
<td>CPDD 444</td>
<td>CPDD Charette: Sharing Our Innovative Practices</td>
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**Friday, February 5**

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<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 a.m - 9:15a.m.</td>
<td>CPDD 504</td>
<td>CPDD SIG Breakfast &amp; 2017 CIEC Planning</td>
</tr>
<tr>
<td>9:30 a.m - 10:45 a.m.</td>
<td>CPDD 514</td>
<td>Repurposing Media for Engineering Education</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
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<tr>
<td><strong>Tuesday, February 2</strong></td>
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<tr>
<td>8:30 - 5:00 p.m.</td>
<td>CIEC 211 Registration</td>
<td>Texas Foyer</td>
</tr>
<tr>
<td>8:00a.m - 12:00p.m.</td>
<td>CEED 222 CEED Board Meeting</td>
<td>Texas 7</td>
</tr>
<tr>
<td>1:00p.m - 4:30p.m.</td>
<td>CEED 212 CEED Workshop</td>
<td>Texas 2 and 3</td>
</tr>
<tr>
<td>6:00 - 6:45 p.m.</td>
<td>CIEC 221 New Attendees Get Together: CIEC 101</td>
<td>Texas 1</td>
</tr>
<tr>
<td><strong>Wednesday, February 3</strong></td>
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<tr>
<td>7:30a.m - 8:45a.m.</td>
<td>CIEC 301 All Conference Continental Breakfast</td>
<td>Marker 10 Foyer/Patio</td>
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<tr>
<td>9:00a.m - 10:30 a.m.</td>
<td>CIEC 321 CIEC Welcome and Opening Plenary</td>
<td>Texas Ballroom</td>
</tr>
<tr>
<td>11:00a.m - 12:30p.m.</td>
<td>CEED 312 Utilizing University &amp; Industry Resources to Facilitate International Experiential Learning</td>
<td>Hill Country C&amp;D</td>
</tr>
<tr>
<td>12:45p.m - 1:45p.m.</td>
<td>CIEC 351 CIEC Awards Luncheon</td>
<td>Texas 1, 2, and 3</td>
</tr>
<tr>
<td>2:00 p.m - 3:30 p.m.</td>
<td>CEED 322 The Centers for Academic Excellence and CyberCorps for Service Programs</td>
<td>Hill Country C &amp; D</td>
</tr>
<tr>
<td>3:30 p.m - 4:00 p.m.</td>
<td>CIEC 361 Expo Open</td>
<td>Texas 4</td>
</tr>
<tr>
<td>4:00p.m - 5:30 p.m.</td>
<td>CEED 332 Employee Engagement and Retention through Co-ops and Internships</td>
<td>Hill Country C &amp; D</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>CIP 343 &amp; CED 344 CIP and CEED Hospitality Event</td>
<td>Suite 1510</td>
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<tr>
<td><strong>Thursday, February 4</strong></td>
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<tr>
<td>7:30a.m - 8:45a.m.</td>
<td>CEED 412 CEED Breakfast and Business Meeting</td>
<td>Hill Country C &amp; D</td>
</tr>
<tr>
<td>9:00a.m - 9:45a.m.</td>
<td>CIEC 411 CIEC Industry Day Plenary</td>
<td>Texas 1, 2, 3</td>
</tr>
<tr>
<td>10:00a.m - 10:45a.m.</td>
<td>CIEC 431 Expo Open</td>
<td>Texas 4</td>
</tr>
<tr>
<td>11:00a.m - 12:30p.m.</td>
<td>CEED 422 CEED Industry Roundtable</td>
<td>Hill Country C &amp; D</td>
</tr>
<tr>
<td>12:45p.m - 1:45p.m.</td>
<td>CIEC 441 Industry Day Luncheon</td>
<td>Texas 1, 2, 3</td>
</tr>
<tr>
<td>2:00p.m - 3:30p.m.</td>
<td>CEED 432 Industry and University Partnerships</td>
<td>Hill Country C &amp; D</td>
</tr>
<tr>
<td>3:30p.m - 3:50p.m.</td>
<td>CIEC 451 Expo Open</td>
<td>Texas 4</td>
</tr>
<tr>
<td>4:00p.m - 5:30 p.m.</td>
<td>CEED 442 How to Develop Sustainable Models for Facilitating International Co-ops and Internships</td>
<td>Hill Country C &amp; D</td>
</tr>
<tr>
<td>6:00p.m.</td>
<td>CEED 452 CEED Awards Reception</td>
<td>Off Site</td>
</tr>
<tr>
<td><strong>Friday, February 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00a.m - 9:15a.m.</td>
<td>CEED 502 CEED Breakfast &amp; 2017 CIEC Planning</td>
<td>Hill Country C</td>
</tr>
<tr>
<td>9:30a.m - 10:45 a.m.</td>
<td>CEED 512 Innovation &amp; Sustainability for Students and Professional Development</td>
<td>Hill Country C</td>
</tr>
</tbody>
</table>
### Tuesday, February 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 - 5:00 p.m.</td>
<td>CIEC 211</td>
<td>Registration</td>
</tr>
<tr>
<td>6:00 - 6:45 p.m.</td>
<td>CIEC 221</td>
<td>New Attendees Get Together: CIEC 101</td>
</tr>
<tr>
<td>7:00 p.m.</td>
<td>CIEC 231</td>
<td>CIEC Opening Reception: Denim and Diamonds</td>
</tr>
</tbody>
</table>

### Wednesday, February 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30a.m - 8:45a.m.</td>
<td>CIEC 301</td>
<td>All Conference Continental Breakfast</td>
</tr>
<tr>
<td>9:00a.m - 10:30 a.m.</td>
<td>CIEC 321</td>
<td>CIEC Welcome and Opening Plenary</td>
</tr>
<tr>
<td>11:00a.m - 12:30p.m.</td>
<td>ETD 315</td>
<td>Innovations in ET Curriculums</td>
</tr>
<tr>
<td>12:45p.m - 1:45p.m.</td>
<td>CIEC 351</td>
<td>CIEC Awards Luncheon</td>
</tr>
<tr>
<td>2:00 p.m - 3:30 p.m.</td>
<td>ETD 325</td>
<td>The Dean's Panel: What is the Role of the Asst., Asso. &amp; Full Professors and How Do They Adapt After Promotion</td>
</tr>
<tr>
<td>3:30 p.m - 4:00 p.m.</td>
<td>CIEC 361</td>
<td>Expo Open</td>
</tr>
<tr>
<td>4:00p.m - 5:30p.m.</td>
<td>ETD 335</td>
<td>Industry-Academic Partnerships</td>
</tr>
<tr>
<td>4:00p.m - 6:00p.m.</td>
<td>ETD 345</td>
<td>ETD Board Meeting</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>ETD 355</td>
<td>ETD Hospitality Event</td>
</tr>
</tbody>
</table>

### Thursday, February 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30a.m - 8:45a.m.</td>
<td>ETD 415</td>
<td>ETD Breakfast and Business Meeting</td>
</tr>
<tr>
<td>9:00a.m - 9:45a.m.</td>
<td>CIEC 411</td>
<td>CIEC Industry Day Plenary</td>
</tr>
<tr>
<td>10:00a.m - 10:45a.m.</td>
<td>CIEC 431</td>
<td>Expo Open</td>
</tr>
<tr>
<td>11:00a.m - 12:30p.m.</td>
<td>ETD 425</td>
<td>ETD Industry Roundtable</td>
</tr>
<tr>
<td>12:45p.m - 1:45p.m.</td>
<td>CIEC 441</td>
<td>Industry Day Luncheon</td>
</tr>
<tr>
<td>2:00p.m - 3:30p.m.</td>
<td>ETD 435</td>
<td>ET National Forum</td>
</tr>
<tr>
<td>3:30p.m - 3:50p.m.</td>
<td>CIEC 451</td>
<td>Expo Open</td>
</tr>
<tr>
<td>4:00p.m - 5:30 p.m.</td>
<td>ETD 445</td>
<td>Recruitment and Retention of Diverse ET Faculty &amp; Students</td>
</tr>
<tr>
<td>3:30p.m - 5:30p.m.</td>
<td>CIEC 451</td>
<td>Expo Open</td>
</tr>
<tr>
<td>4:00p.m - 5:30p.m.</td>
<td>ETD 445</td>
<td>Recruitment and Retention of Diverse ET Faculty &amp; Students</td>
</tr>
</tbody>
</table>

### Friday, February 5

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00a.m - 9:15a.m.</td>
<td>ETD 505</td>
<td>ETD Breakfast &amp; 2017 CIEC Planning</td>
</tr>
<tr>
<td>9:30a.m - 10:45 a.m.</td>
<td>ETD 515</td>
<td>New Courses in Engineering Technology</td>
</tr>
<tr>
<td>11:00a.m - 12:15p.m.</td>
<td>ETD 525</td>
<td>Potpourri of Creative Ideas</td>
</tr>
</tbody>
</table>
Tuesday, February 2
7:00 p.m.  
CIEC 231  
**CIEC Opening Reception**  
Zilker 1 & 2  

**DENIM AND DIAMONDS**  
**Opening Reception**  
Bling up your denim and come have a dazzling time! This is a wonderful opportunity to reconnect with our division colleagues. This is always a highly anticipated event and gets the conference off to a great start. Additional information will be provided to registrants.  

*Co-Chair: Nancy Kruse & Pat Hall, University of Tulsa*

Wednesday, February 3
7:30 a.m. – 9:30 a.m.  
CIEC 311  
**Companions Breakfast**  
Southwest Bistro  
All registered companions are invited to breakfast in the Southwest Bistro on the second floor.  

*Chair: Linda Schuver*

10:30 a.m. – 1:30 p.m.  
CIEC 341  
**Companions**  
**AUSTIN EATS FOOD TOUR**  
Austin is home to over 2,000 food truck vendors, offering cuisine from some of Austin’s finest and quirkiest eateries. What started in the early 1990’s as a humble little hot-dog stand has blossomed into a city wide movement. We will have an opportunity to experience this delightful trend on the Austin Eats’ Best of Austin Food Truck Tour. Our tour will include a visit to one of Austin’s top ranked BBQ places, a chance to sample top chef’s creations from many of the most popular fun food trucks, and a desert stop at one of the many famous Austin bakeries. The food-court trailer parks are an Austin phenomenon and quite a creative dining experience.  

Ticketed participants should meet in the main lobby at 10:15 a.m.  

*Chair: Linda Schuver*

Thursday, February 4
7:30 a.m. – 9:30 a.m.  
CIEC 401  
**Companions Breakfast**  
Southwest Bistro  
All registered companions are invited to breakfast in the Southwest Bistro on the second floor.  

*Chair: Linda Schuver*

9:30 a.m. – 3:30 p.m.  
CIEC 421  
**Companions Tour**  
**AUSTIN HILL COUNTRY**  
Off Site  

Austin Hill Country tour, you will enjoy a private guided scenic tour. We will see the unexpected gems of Texas, their breathtaking limestone canyons, beautiful spring-fed rivers and rustic German towns. Along the way we will stop at a premier custom glass designer’s studio and see a glass blowing demonstration. Then continue to Wimberley, a quaint local artisan community where we will have an opportunity to shop for local arts and crafts. Lunch will be “on your own,” providing each guest a choice to sample some of the fresh local cuisine. The tour will conclude with a visit to a charming local winery and enjoy tasting some of Austin Hill Country’s spectacular “vino.”  

Ticketed participants should meet in main lobby at 9:15 a.m.  

*Chair: Linda Schuver*
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III
IV
V
VI
VII

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JACKSONVILLE, FLORIDA
FEBRUARY 8-10, 2017

2017 General Conference Chair
Ilka Balk
University of Kentucky
Cooperative and Experiential Education Division of ASEE