Wednesday, January 29

11:00 AM

**Structuring Win/Win Partnerships in Industry-Academia Engagements**

**Presenters:**
- Max Weintraud, NSIN, Department of Defense
- Matt Rocca, Pressed Juicery Corporation
- David Law, Northrop Grumman
- Glenn Weckerlin, Chevron

**Moderator:**
- Magdalini Lagoudas, Texas A & M

There are many different types of collaborations between industry and academia. Structuring them so that each party realizes a clear benefit is central to a strong and positive relationship. This session will address some of the key points in forming win/win partnerships across research, recruiting, continuing education, start-ups, and more. Additionally, several successful models will be discussed.

2:00 PM

**Industry Involvement in Shaping Engineering Curricula**

**Presenters:**
- Brissa Quiroz, California State University, Fresno
- Gill Morris, Siemens
- Matt Rocca, Pressed Juicery

**Moderator:**
- Svetlana Mitrovski, University of Illinois at Urbana-Champaign

As the “consumers” of the talent output of universities, employers need to have a say in the training of the graduates they hire. This session will explore ways in which industry and universities can interact to exchange and to implement ideas on improving undergraduate and graduate engineering programs.

4:00 PM

**Filling the Workforce Pipeline**

**Presenters:**
- Dennis Warner, Rolls-Royce (Retired)
- Diana Bairaktarova, Virginia Tech
- Homero Murzi, Virginia Tech
- Soma Chakrabarti, ANSYS

**Moderator:**
- M.K. Pilotte, Purdue University

In recent years, employers have struggled to hire qualified engineering graduates because of a tight labor market. The tight market has also created competition for talent among different industries. This session will highlight best practices by companies and universities to address this problem including early engagement, cohort programs and sustainable recruitment relationships.

6:00 -8:00 PM

**CIP Division Hospitality Event**

Covington Mills Restaurant, Hilton Hotel

All members of the CIP Division and the Corporate Member Council are invited to the annual CIP Hospitality Session. Come and meet new CIEC participants, CIP speakers and moderators and special guests. Join us in a great networking opportunity. Light refreshments and drinks will be served.
Thursday, January 30

11:00 AM

**Industry Sponsored Curricula, Courses and Research**

**Presenters:** Stacy Wilson, Western Kentucky University  
Shane Brown, Oregon State University  
Randy Peters, Indiana State University  
David Schmueser, Clemson University

**Moderator:** Rick Berkey, Michigan Tech University

Engineering programs in U.S. universities sometimes fall short in delivering education that effectively prepares graduates in areas of practical interest to employers. Some of this is related to the experience and training of university faculty and some to the lack of resources to develop such courses. Differences in academic and industry contexts can also play a role. This session will discuss successful examples of specific courses, programs, and research studies supported and/or informed by industry and the benefits that accrue to employers, colleges and students.

2:00 PM

**Industry-Sponsored Research in Universities**

**Presenters:** Erik Sander, University of Florida  
Rick Orr, Weber State University  
Taryn Riley, Siemens Energy  
David Law, Northrop Grumman

**Moderator:** Keith Stanfill, University of Tennessee

The volume of industry-sponsored research and development in universities is tiny compared to government funded basic research. Recently, there has been renewed interest in universities in research and development collaboration with industry. This session will explore issues and challenges related to and proven best practices in such collaborations.

4:00 PM

**Government Involvement in Industry-Academic Collaboration**

**Presenters:** Erik Sander, University of Florida  
Barry Johnson, University of Virginia (formerly NSF)  
Wayne Gersie, Penn State University  
Melanie Spare, Siemens Corporation

Governments in the United States and other countries have tried to encourage research and workforce training collaborations between industry and universities. In the US such efforts have include programs such as GOALI and U/UCRC (both by NSF). This session will discuss the results of such efforts and ideas for new directions in this space.

Friday, January 31

7:30 AM

**CIEC Continental Breakfast**

Mezzanine Floor

**CIP Planning Meeting for the 2021 CIEC Conference**

Join members of the division in planning sessions for next year’s conference in Garden City, California.

**Session Leader:** Mahesh Aggarwal, Gannon University
9:00 AM

**Diversity and Inclusion in the Workplace**

**Presenters:**
- Burton Dicht, IEEE
- Erin Hostelter, Penn State University
- Ashley Henderson, ASME

**Moderator:**
- Mahesh Aggarwal, Gannon University

Our population is constantly evolving which makes the issue of diversity and inclusion that much more important on a global scale. Industry and academia must address the needs of these underrepresented communities and transition from the traditional form of diversity to support all audiences. This session will explore the initiatives taken by industry and academia to address the lack of diversity and inclusion in the workplace.

10:35 AM

**CIP Board Meeting**

The CIP Board Directors and Officers will meet to discuss the business of the division and make plans for future projects of the division.

12:00 Noon

**Conference Concludes**