

# CPDD SESSIONS – CIEC 2020

## Engineering Education in an Era of Change Plenary Sessions

**Wednesday, January 29**

9:00 AM

### **Conference Plenary Session: The Future of the Engineering Profession**

**Panelists:**        **Andy Bell, National Instruments**  
                         **Dora Smith, Siemens Digital Industries Software**  
                         **P.J. Boardman, MathWorks**  
                         **Tammy Stevens, Northrup Grumman Corporation**

**Moderator:**      **Mark Schuver, Purdue Online, Purdue Polytechnic Institute**

The engineering profession continues to advance as engineers are creating solutions to ever increasing complex problems and pressing the limits of innovation. This session will present the perspective of large corporation leaders on the changing knowledge, abilities and skills future engineers will be required to have. Some specific topics will be: how industry is changing how engineers are trained; the growing importance of systems approach to engineering; data analytics usage; and the growing importance of life-long learning skills to address new engineering positions of the future.

**Thursday, January 30**

9:00 AM

### **Mini Plenary Session: BS Programs in Engineering Technology and Engineering: Supplying Engineers Critical to Industry**

**Panelists:**        **Cindy Hendrickson, GE Corporate**  
                         **Danielle Perhogan, Magna International**  
                         **Ken Burbank, Purdue University**  
                         **Doreen Edwards, Rochester Institute of Technology**  
                         **Ashley Huderson, American Society of Mechanical Engineers**  
                         **Michael Aitkin, National Society of Professional Engineers**

**Moderator:**      **Martin Gordon, Rochester Institute of Technology**

This session will help attendees better understand ET, its students and educational methods. Comparison to traditional engineering programs will be used to contrast and compare the two pathways available to become an engineer. The session will help guide industry in determining what program might supply the best hire for a company. Panelists will be from industry, professional organizations and academia.