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.

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.