

## **Transforming Undergraduate Education in Engineering Phase III: Voices on Women's Participation and Retention**

June 12-13, 2015 | The W Seattle Hotel, Seattle, WA

### **Breakout Session III: Professional Societies of Federal Government/Agencies**

- How can Frame 2 propel Frame 4 actions?
- Title IX
  - Compliance reviews NSF, DOE, NASA,
  - Not transparent
  - Guidelines insufficient
- Professional societies
  - Teaching modules ASCE
  - New Message : “Diversity =Tech Valve”
  - Poor cross-society dialogue
  - Competition at K-12 level
  - Convening roles for ABET, NAE, NSF (unfilled)
  - “engagement of future member”
  - Driver: successions of 2-3 committed elected leaders
  - NETI
- Educational benchmarking Inc.
  - Peer institutions
  - Data collection + presentation
  - Internal, comparative feedback
- Convening Power
  - DOE Diversity in higher Ed
  - ABET – Society liaisons October Executive directors
  - D+I committees
  - Legal Counsels
  - ABET +ASEE
  - By level and/or role
  - AAES
  - APLU, AAC, ACE
- Student Sections
  - Connection to administration
  - Support from corps (teeth, visibility)
  - Promising practices compilation
  - Grant based implementation

- Professional skill development
- Disruption levers
  - Data that makes a case
  - What is disruption? External
  - Provide additional measures
  - USNWR = Pain
  - Recruiting = Pain
  - FED \$ = Pain
  - Demographic shift Diversity = New members
  - Student chapters w/ activities + award for diversity + inclusion
  - Include D+I in existing programs for faculty
  - Professional societies – faculty re: student culture