Technology Areas of Interest to the Group:

• Pyrolysis + Catalysis
• Gasification
• Other – Hybrid processes, ethanol-to-gasoline, APR

Priority Barriers:

• Plant Integration and Reliability/Operability of Operating Unit (20 Dots)
• Feedstock Handling (15)
• Catalyst Development (11)
• Gas Clean-up (10) – Tar Handling, Ultra-Hot Syngas Filtration, etc.
• Economies of Scale (8)
Key Reflections:

• Feedstock handing is a much larger issue than realized by individual participants
  – Getting the feedstocks into the reactor is surprisingly difficult
  – Wood is different from grasses, which is different from corn stover...

• Process integration is really important – known unknowns and unknown unknowns which can only be found when scaling up

• Feedstock handling is a little misleading – actually much more than just using feedstock. More appropriate term is Feedstock Management
  – Feedstock aggregation, Seasonal differences vs mixing

• Hydrogen
  – How will it be supplied?
  – Some make their own, where to supply from?
  – How to Source? From natural gas?