Report Out
June 10, 2016

Breakout Out Group: Performance
Desired AM Capabilities/Technologies

• Final Product Quality
  • reliable, repeatable outputs

• Product Lifetime
  • stability and reactivity

• Predictability
  • materials, process, product

• Multi-Material
  • expand materials library

• Multi-Functionality
  • designed roles, synergy

• Design
  • validated model -> tailoring

• Product Characteristics
  • quality and customization

• Medical Applications
  • speed, cleaning, validation
Top-Voted Challenges/Priority Topics

• Understanding and Modeling AM Processes

• Lack of Information on Stock Materials and Standards

• Understanding Variable and Parameter Impacts on Part Properties

• Transparency in Polymer Additive Manufacturing

• Development of Appropriate Safety Standards