Advanced Manufacturing Partnership (AMP) 2.0

Northeast Regional Meeting

Workforce/Image Breakout Session Summary

April 24, 2014
Facilitators

- Johanna Duncan-Poitier: State University of New York
- Patricia Downs: Connecticut Center for Advanced Technology (CCAT)

(Scribe: Chris Traci: The Wessel Group)
• Manufacturing Image
  – Attitude of parents and other adults affect kids’ choice of career. Need to **educate parents, school counselors** about manufacturing, e.g., modern manufacturing facilities, pay, career path, etc.
  – Need to develop a **culture/image of inclusion** for manufacturing. Culture and hierarchy in manufacturing facilities may drive negative impression.
Audience Feedback

- **Manufacturing Training Programs**
  - Update K-12 education curricula to integrate manufacturing education programs (apprenticeship and other trainings)
  - Post-training tracking of participants to provide feedback for program update and improvement
  - Start these training programs early
  - Implement Common Core teaching methods and standards.
  - More hands-on skill training: using hands and minds, e.g., at middle school level, teach projects that need basic tools such as shovels, hammers, wrenches.
Audience Feedback

• Others
  – Terminology: STEM vs. Advanced Manufacturing. STEM is broader, more inclusive, and less stigma.
  – US FIRST Robotics competition: Great program to leverage and support to inspire young people to pursue technical careers.
  – Competition-based program (like US FIRST) for workforce development in advanced manufacturing.
  – Specific recommendations
    • Place non-athletic competitions (like US FIRST) on an equal footing with athletics, and allow funding accordingly.
    • Enable students to obtain academic credit for participating in technical competition.
    • Permit NSF funding to be directed to secondary school programs.