

Advanced Manufacturing Partnership (AMP) 2.0 *Northeast Regional Meeting*

Workforce/Image Breakout Session Summary

April 24, 2014



Rensselaer



GLOBALFOUNDRIES®

- **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.



- 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.

- 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

