

# PCAST AMP 2.0



*“Our first priority is making America a magnet for new jobs and manufacturing.”*

*President Barack Obama February 12, 2013*

# Background Info

- AMP 1.0: June 2011 – July 2012
- AMP 2.0: September 2013 – summer 2014 (planned)

# AMP 2.0 Steering Committee

Wes Bush, Chairman, CEO and President, Northrop Grumman Corp.

Dr. Mary Sue Coleman, President, The University of Michigan

David Cote, Chairman and CEO, Honeywell

Nicholas Dirks, Chancellor, University of California, Berkeley

Kenneth Ender, President, Harper College

Leo Gerard, International President, United Steelworkers

Hon. Shirley Ann Jackson, President, Rensselaer Polytechnic Institute

Eric Kelly, President and CEO, Overland Storage

Klaus Kleinfeld, Chairman and CEO, Alcoa Inc.

Andrew Liveris, Chairman and CEO, The Dow Chemical Company

Ajit Manocha, CEO, GLOBALFOUNDRIES

Douglas Oberhelman, Chairman and CEO, Caterpillar Inc.

Annette Parker, President, South Central College

G.P. "Bud" Peterson, President, Georgia Institute of Technology

Luis Proenza, President, The University of Akron

Rafael Reif, President, Massachusetts Institute of Technology

Eric Spiegel, President and CEO, Siemens Corp.

Mike Splinter, CEO, Applied Materials Inc.

Christie Wong Barrett, CEO, MacArthur Corp.

# AMP 2.0

- FOCUS: build on the 2012 AMP report and focus on implementation
- 5 WORKING TEAMS
  1. Identifying, prioritizing and starting work on transformative technologies
  2. Implementing demand-driven workforce solutions for a workforce of lifetime learners
  3. Ensuring that the National Network for Manufacturing Innovation (NNMI) is successful
  4. Creating a policy environment that supports technology scale-up
  5. Improving the image of manufacturing

# Transformative Technologies

- Of the 11 cross-cutting technologies in the AMP 1.0 report, the AMP 2.0 Technology Working Team identified three areas for further evaluation
- 3 technology areas
  1. Advanced materials and processes: structural composites
  2. Visualization, information and digital manufacturing
  3. Advanced sensing, measurements and process control

# Workforce Development

- AMP 2.0 Workforce Working Team created four working groups
- 4 workforce development working groups
  1. Pathways to align 7<sup>th</sup> – graduate level
  2. Portable, stackable credentials
  3. Apprenticeship
  4. Getting veterans involved with manufacturing sector

# NNMI

- NNMI working team had a late start
- 2 study groups
  1. External communication focus – value propositions
  2. Operations focus – IP, governance and structure, how to broaden the tent

# Scale-up Policy

- To identify strengths that can be leveraged, and solutions to key barriers to accelerate and amplify the value of technology commercialization in the U.S. manufacturing sector
- 3 priority barriers to address
  1. Technology diffusion
  2. Supply chain development
  3. Capital sourcing



# Regional Meetings

- **February 3, 2014: Georgia Tech**
- **April 2, 2014: University of Akron, United Steelworkers**
- **April 24, 2014: RPI, Global Foundries**
- **May 16, 2014: MIT**
- **June 9, 2014: Michigan, Northrop Grumman**

# National Network of Mfg Innovation

Actionable recommendations

