

TA3 2012

The Future of Manufacturing: Implications for Education and Training

Covington, Kentucky
October 1-3, 2012



TRANS-ATLANTIC
TECHNOLOGY and
TRAINING ALLIANCE

Manufacturing employment has been in decline in western economies, which generally is attributed to competition from newly developed lower cost regions and increasing automation. Most leaders believe, however, that retaining a viable manufacturing base is vitally important to the security and innovative capacity. Revitalizing manufacturing, however, will depend on creative forms of products and production. This symposium will tackle issues facing community and technical colleges in the U.S. and Europe in providing the skills needed to sustain, and in some cases re-invent, manufacturing.

- Which types of manufacturing and which types of companies are most likely to continue to be competitive in advanced, high-wage economies?
- What are the challenges and opportunities associated with automation?
- How will products and skills address environmental challenges?
- What new entrepreneurial opportunities are likely to develop?
- What types and levels of skills and knowledge will community college graduates need in the future and what directions are future career paths likely to take?
- Why are too few students entering manufacturing career paths to replace a rapidly aging workforce, even with the promise of good wages?

Monday, October 1

- 8:30 am ***Welcome***
G. Edward Hughes, President, Gateway Community & Technical College
[The new "Education of the Renaissance Technician"](#)
Stuart Rosenfeld, Principal, RTS, Inc.
- 9:00 am ***Looking Ahead***
Introduction: Jane Smith Patterson, Jane Patterson & Associates,
Chapel Hill, NC
[Framing the Issue](#)
Phil Singerman, Associate Director, Innovation and Industry Services,
National Institute of Standards and Technology-MEP
- [Opportunities in niche markets](#)
Adam Friedman, Director, Pratt Center for Community
Development
- 10:20 am **Break**

- 10:40 am *Views from the firms* ([Winzeler](#)), ([Hall](#))
Moderator: Rand Key, Senior Vice Chancellor, Lone State College System and Chief Operating Officer, Texas
John Winzeler, President, Winzeler Gear Company, Chicago
Ted Hall, President, ShopBot Tools, Durham, North Carolina
- 11: 50 am [European Perspective: What Skills, How Much Education?](#)
Introduction: Hanne Shapiro, Danish Technological Institute
Risto Raivio, European Commission DG-Education and Culture
- 12:30 pm **Lunch**
- 1:40 pm [Design in Manufacturing](#)
Moderator: Richard Johnson, Kentucky Science & Technology Corp.
Lou Lenzi, Director, Industrial Design, GE-Appliances
George Konstantakis, President, Brooks Stevens, Inc., Milwaukee
- 2:50 pm **Break**
- 3:10 pm **Session A: New Pathways**
Moderator: Dr. Carl Hite, President, Cleveland State Community College, Tennessee
[Marjut Salminen](#), International Coordinator, Tampere College, Finland
[Greg Rutherford](#), President, York Technical College, South Carolina
[Hans Lehman](#), Vice President, EUC-Syd, Denmark
- Session B: Improved Attraction, Retention, and Partnerships**
Moderator: Dr. Perry Ward, President, Lawson State Community College
[Rebecca Nickoli](#), Vice President, Ivy Tech, Indiana
[Michael Gould](#), Assistant Director, Northern Ireland Department of Employment and Learning
[Jeff Rafn](#), President, Northeast Wisconsin Technical College
- Session C Innovations and Business Partnerships**
Moderator: James McKenney, Vice President, American Association of Community Colleges
[Jeannine La Prad](#), President/CEO, Corporation for a Skilled Workforce
[Jose Luis Fernandez Maure](#), Tknika, Basque Region
[Gregg Bennett](#), Director, Bevill Manufacturing Technology Center, Gadsden, AL and Mitch Hamm, Director, Muscle Shoals, AL
- 4:50 pm Adjourn

6:00 pm *Reception - Sponsored by Gateway Community and Technical College
Traditional music: Kentucky School of Bluegrass and Traditional Music
Hazard Community and Technical College*

Tuesday, October 2

8:30 am *Tri-State Collaborative for Advanced Manufacturing*
Moderator: Angie Taylor Vice President, Gateway Community & Technical
College.
Chamber of Commerce
Ross Meyer, Executive Director, Partners for a Competitive Workforce
[John Baines, President, Hahn Automation](#)

9:45 am *Opportunities in manufacturing services*
Introduction: Joe May, President, Louisiana Community and Technical
College System
[Hanne Shapiro, Centre Director, Danish Technological Institute](#)

10:15 am **Break**

10:45 am *Roundtable discussion on education and employment*
Moderator: Darlene Miller, Director, National Council for
Workforce Education
G. Edward Hughes, President, Gateway CTC
Jose Luis Fernandez Maure, Tknika, Basque Region
Nichola Lowe, University of North Carolina-Chapel Hill

12:00 am *Wrap up*

12:10 pm *Adjourn*