

MAY

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DRIVING CHANGE

Greening the Automotive Workforce

Ford Conference and Event Center, Dearborn, Michigan

Retooling the Labor Force: Connecting Today's Workers with Tomorrow's Occupations

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Response to Research and Findings

- Relevance
- Future Considerations
- Consistency with College Experience
- Gaps
- Policy Implications

Relevance to the Public, Industry, Education

Public

- Guide for workers, educators, counselors
- Transition becomes visible, informed
- Clear policy opportunities

Industry

- Guide for Worker Preparation
- Promotes Partnership with Education

Education

- Guide to Educational Gaps

Considerations for the Future

Longer term, consider worker transition to the renewable and decentralized power generation/power transmission industry.

Consistency with the College Experience

- Auto industry has had favorable reaction to targeted education programs
- Company demand for interns has been very low at the technician level
- ‘High Road’ production model is still rare
- Concur that Industry is not demanding of skills to improve flexibility and quality

Gaps: Workforce Training & Employer Needs

- Quality Methods and Agile Workplace Fundamentals are not Core Topics
- Team Oriented Capstone Projects are not required

Policy Implications: Public, Industry, Education

Public

National:

- Trade Balance, Energy Independence, Environment
- Promote Hydrogen Production at Scale
- Promote Renewables (Feed in Tariffs, et al)
- Incentivize the Economics for Transition
- Must choose: Technological Leadership or Dependence on other Nations

Policy Implications: Public, Industry, Education

Public

Regional:

- Grow Powertrain & Fuels Value (Motors, Batteries, Non-Food Biofuels), Materials Investment (Aluminum, Magnesium, Composites), Electronics, Software, Controls
- Create a Midwest core of technologies with broad worldwide applications (Defense, Desalination, Robotics, Power Generation & Storage, et al)

Policy Implications: Public, Industry, Education

Industry

- Demand Higher of Education at Technician, Skilled Trade, Production Level
- Engage Education to Meet Education & Research Needs
- Promote Research & Application in Materials, Batteries, Biofuels, et al.

Policy Implications: Public, Industry, Education

Education

- Engage Industry for Research in key areas
- Promote Internships