



Manufacturing Division Virtual Meeting

Education Committee Update

November 18, 2020

Jeannine Kunz

Chair NDIA's Workforce Development Committee



PRESENTER



Jeannine Kunz

Vice President
Tooling U-SME

- Chair of NDIA's Manufacturing Division's Workforce Committee
- 20 + years in workforce training and development
- Provides guidance on best practices for designing, developing and implementing performance-based development strategies in today's advanced manufacturing environments
- Education & Workforce Advisory Committee Member of ARM
- Executive Committee Member of America Makes
- Leading a workforce grant awarded by Department of Defense and sponsored by the Office of Naval Research to support Manufacturing Engineering Education Program (MEEP)

MEMBERS OF THE EDUCATION COMMITTEE

NAME	ORGANIZATION
• Merdod Badie	Thales Defense & Security Inc.
• Gary Fleegle	NCDMM
• Kenneth Hayes	Aqua Survey
• Greg Jones	AMT
• Michael Kinney	Arconic
• Jeannine Kunz	SME
• Robert Kurkowski	Elyria Foundry
• Joel Leonard	Skill TV
• Matthew McKearney	Governors America
• Jay Meredith	Lockheed Martin
• Dave Morton	SME
• Harry Perrette	Twisted Industries
• Timothy Shinbara	AMT
• Parker Sykes	Consultant
• Paula Trimble	Lewis-Burke

NDIA MANUFACTURING DIVISION GOALS

NDIA's 6 Strategic Priorities

- ▶ Educate and Promote Budget Stability
- ▶ Foster Small Business Success
- ▶ Gain Acquisition Agility and Regulatory Modernization
- ▶ Promote Innovation in Technology and Process
- ▶ **Strengthen the Defense Industrial Base and Workforce**
- ▶ Expand Security Cooperation and Interoperability

The Manufacturing Division works to:

- ▶ Advocate national support for defense manufacturing
- ▶ Promote defense manufacturing excellence
- ▶ Support promising technologies, processes, and implementation methodologies
- ▶ Conduct manufacturing research/study efforts
- ▶ Conduct government-industry forums focused on defense manufacturing

GLOBAL MANUFACTURING COMPETITIVENESS INDEX

TOP INDICATOR OF A COUNTRY'S COMPETITIVENESS

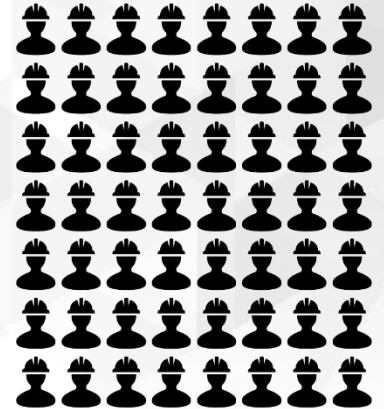
- ▶ Access to talented workers
- ▶ followed by a country's trade,
- ▶ financial and tax system, and
- ▶ the cost of labor and materials



STATE OF THE MANUFACTURING INDUSTRY

- ▶ 4.6 million manufacturing jobs to fill from 2018–2028¹
- ▶ 2.4 million unfilled manufacturing jobs nationwide by 2028 due to a skills shortage in the US manufacturing industry
- ▶ Manufacturers' say their top workforce challenges by 2021²:
 - Finding skilled new hires (99%)
 - Upskilling incumbent workforce (92%)
 - Onboarding new employees (84%)

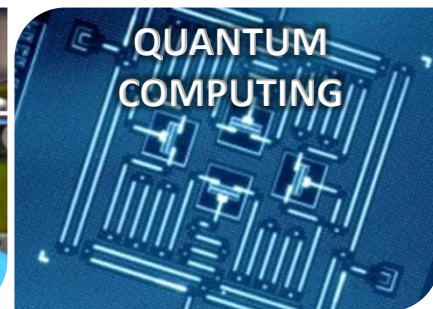
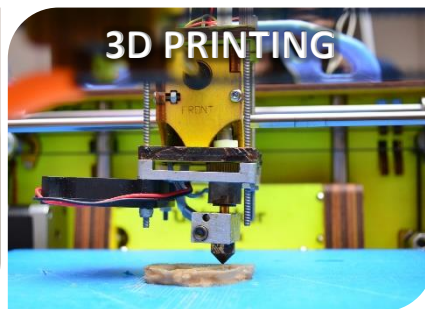
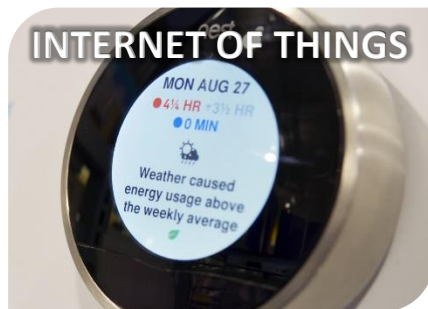
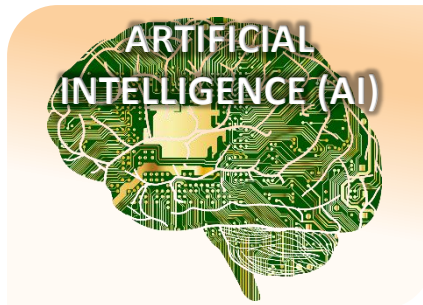
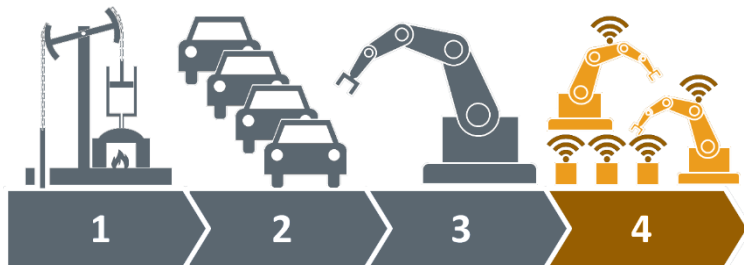
Too many
open jobs and
not enough
skilled workers
to fill them



1. Deloitte and The Manufacturing Institute 2018 skills gap in manufacturing study
2. Tooling U-SME Industry Pulse: 2018 Manufacturing Workforce Report

TRANSITIONING TO INDUSTRY 4.0

Fourth Industrial Revolution



PLANNING STAGE

1. Finalizing focus on 1 or 2 goals in pipeline development
2. Levels of Projects
 - Awareness to Government and Membership
 - Presented for Indiana chapter
 - White paper ideas
 - Support Programs
3. Strategy – align with existing efforts
 - Project MFG
 - AMT's Smartforce
 - SME Education Foundation's PRIME
 - Manufacturing USA
4. Recruiting members, email me jkunz@sme.org

ALIGNING EFFORTS FOR GREATER IMPACT



LEARNING LEADERS PREPARING FOR GENERATION Z

98%



Gen Z learning preferences will differ from previous generations

74%



Plan to make changes to their L&D program to accommodate Gen Z workers

