REVIEW OF YEAR 1 ACTIVITIES: SUMMARY OF KEY ACCOMPLISHMENTS

➢ **Convening** a national Advanced Technological Education (ATE) Leadership Caucus comprised of ATE Center Directors, Industry Advisors and NSF Program Officers to examine the Future of Work at the human-technology interface from multiple perspectives.

➢ **Convening** a Special Interest Group on the Future of Work at HI-TEC to refine and advance the work begun at the ATE Leadership Caucus meeting.

➢ **Identifying** three broad, cross-cutting skill areas that should be included as “new fundamentals” in STEM technician training programs: Data Knowledge and Analysis, Advanced Digital Literacy, and Business Knowledge and Processes.

➢ **Piloting** an industry site visit/interview protocol with a tour of Bluegrass Community and Technical College’s Advanced Manufacturing Center and Toyota Motor Manufacturing, Kentucky, Inc. and interviews with technicians, technician supervisors, and mid-level managers.

➢ **Producing** and disseminating informative content exploring industry, education, and human resource issues relevant to the Future of Work via articles, podcasts, and blog posts.

PODCAST SERIES

Podcasts recorded with interviewer Mike Lesiecki cover a variety of Future of Work issues and are disseminated through Science360 Radio, iTunes, GooglePlay, and the project website, [https://www.preparingtechnicians.org/podcasts](https://www.preparingtechnicians.org/podcasts)

Episode 1: Preparing Technicians for the Future of Work — The Challenges

Episode 2: Who Owns the Skills Gap? Al Carlson, University of Florida, Innovation Station, guest

Episode 3: One of the Key Things to Measure (OEE)—Mariano Carreras, SMC International Training, guest

Episode 4: Design Thinking for Gender Equity— Alexa Frank and Rachael Munkacsi, Deloitte; and Hope Cotner, CORD, guests

Episode 5: Taking a Journey to the Future—Brynt Parmeter and Emily McGrath, NextFlex

Episode 6: Silver Buckshot: A Micro-Credentials Approach to Training and Education— Timothy Thomas, Mohawk Valley Community College, guest

Episode 8: Digital Twins—Gerry Deren, VP for Academic Enablement, Siemens

*If you have a suggestion for a podcast topic, please contact Mike Lesiecki, mlesiecki@gmail.com.*

The website also hosts the project blog, **Exploring the Human-Technology Frontier**, with posts written by our Board of Contributors.

- Whose Responsibility is Information Security, Anyway? And How Do We Address This in Our Future Education Programs?
  Dawn Montemayer, Virtual CSO, CyberRisk Solutions • April 5, 2019
- Leadership 4.0: People Development in the Fourth Industrial Revolution
  Thomas Lichtenberger, President and CEO, Festo Didactic • May 21, 2019
- Special Interest Group Hosts Forward-Looking Conversations to Address the Future of Work,
  Tiffney Gray, Project Manager, CORD • August 9, 2019
- The ABCs of I4.0: What Technicians Need to Know about Incoming Technologies
  Mariano Carreras, International Training Manager, SMC International • August 15, 2019
- I Did That with My Brain! High School Students Explore Physiological Computing
  Chris Crawford, Assistant Professor, Computer Science, University of Alabama • September 3, 2019

*If you would like to serve on our Board of Contributors, please contact Tiffney Gray, tgray@cord.org, to schedule a blog post.*

**OVERVIEW OF GRANT YEAR 2 ACTIVITIES**

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