

## **Smart Manufacturing Sessions**

Smart Manufacturing Workforce Certificate offered by Case Western Reserve University and TechSolve, Inc.

### **Abstract**

This training event offers an opportunity for the attendants to keep up to-date with best practice and newest technology trends associated with Smart Manufacturing. Attendees will learn from and interact with speakers on sessions that focus on machine connectivity and IIoT, adopting collaborative robots to cut costs and increase productivity, and the latest cybersecurity regulations and considerations. A Smart Manufacturing Workforce Certificate will be offered by the organizers of the event, Case Western Reserve University and TechSolve, Inc., at the completion of the program.

### **Agenda**

- 1) Introductions (15 min.)** – BCI / CWRU / TechSolve & Sessions Introduction
- 2) Connect to Your Full Potential – The IIoT Advantage (1 h)**
- 3) Automating with Collaborative Robots (45 min.)**
- 4) Cybersecurity for the Digital Manufacturing Supply Chain (1 h)**

### **Learning Objectives**

- Improve decision-making skills in smart manufacturing opportunities
- Understand how machine connectivity and IIoT enable manufacturing intelligence
- Learn about the main elements of an IIoT system and considerations for IIoT implementation, including cybersecurity
- Learn about trends, challenges and benefits associated with adoption of collaborative robots
- Learn about latest cybersecurity regulations with respect to NIST cybersecurity framework and Cybersecurity Maturity Model Certification (CMMC)
- Understand OT versus IT cybersecurity considerations