

ISA CLEVELAND SECTION **VIRTUAL** PROGRAM

WEDNESDAY, January 20, 2021, 7:00 – 8:30 PM

Machine Learning Basics Overview

1 PDH Hour will be awarded for this technical meeting

About the Topic:

What if you could predict production anomalies to stay ahead of downtime or losses? Applying analytics within the controller application is a new fundamental approach to achieving process improvements. Currently industrial automation platforms are now beginning to provide embedded analytics that empower users to apply machine learning concepts without needing specialized expertise in data science. Some typical use cases for machine learning in the industrial sector are operation, anomaly detection, predictive maintenance, and process optimization. The ISA presentation will address the basics steps taken to leverage the use of machine learning and cover the types of machine learning algorithms that align with them.

Speakers Bio:

Jennifer M. Mansfield, PMP



Ms. Mansfield is an industrial automation professional with 18 years of relevant industry experience. Jennifer holds a Bachelor of Engineering in Chemical Engineering from Youngstown State University (Youngstown, OH, 2002). Starting her career as a Maintenance Manager / Project Engineer for Frito-Lay, Jennifer became familiar with the financial constraints manufacturing organizations face; learning return on investment (ROI) prioritizes productivity improvements. In 2007, Jennifer joined Rockwell Automation and became a certified Project Management Professional. She managed globally deployed automation projects with a concentration on Power / Energy Management Systems and Marine & Government. After transition from project management to global sales in 2012, Jennifer had responsibility for a global install base in the Tire & Rubber industry and was expected balance the challenges associated with cost, reliability and obsolescence. Jennifer believes that standardization can drive positive financial outcomes for customers. In 2017, Jennifer began helping industrial automation customers drive business outcomes utilizing embedded analytics and to becoming a Smart Manufacturer / Smart Machine Builder. Jennifer is a strong believer that best engineering practices drive excellence, especially when implementing the Industrial Internet of Things. Ms. Mansfield has been a member of International Society of Automation since 2012. She served as the Cleveland Section's 2017-2018 Membership Chair and was the 2019 Board Secretary.

ISA CLEVELAND SECTION AGENDA

Program: 7:00 PM – 8:30 P.M.

Location: Virtual Meeting via Microsoft Teams. **Select-->** [Download Microsoft Teams](#) link here or in the "body" of the Newsletter

Cost: No cost for the Microsoft Teams Download or use of the software

Reservations:

Your reservation **MUST** have your e-mail address in order for you to receive the link to join the Microsoft Teams meeting. This link will be sent to you. Your reservation must be in no later than COB Tuesday Jan. 19, 2021.

No Exceptions after COB on Tuesday Jan. 19th.