



Columbus Technical Society

Columbus Technical Society (CTS) is an affiliation of member organizations that hosts joint meetings for all member groups. Varied disciplines provide exposure to diverse topics and extended networking opportunities outside of one's own field.

When:

Wednesday, May 24, 2023

Where:

EWI
1250 Arthur E. Adams Dr.
Columbus, OH 43221

Schedule:

Social: 6:00-6:30 pm
Dinner: 6:30-7:00 pm
Lecture: 7:00-8:00 pm

Cost:

\$20 for members
of CTS Societies
\$30 for nonmembers
\$10 for students
Pay at the door with cash or
checks.

For Reservations Contact:

Harvey Castner –
hcastner@columbus.rr.com
Attendees must RSVP to this
meeting by May 22, 2023.

AWS Columbus Section Presents Tele-Manufacturing May 24, 2023

Tele-Manufacturing is the ability to accurately transfer manual skillsets from local personnel to remote automation. EWI has been developing tele-presence technologies for welding, inspection, grinding and gouging. Tele-welding allows a worker to operate the welding process from a remote location, while still in control of the welding process and torch movements. The over-arching intent of developing tele-welding is to allow anyone who desires to do the work – older, younger, disabled – access to technology and equipment that allows them to remain or become fully productive in manufacturing. EWI is now working to deliver a beta-prototype system to a US shipyard, including a tele-weld qualification method and tele-welder training program to be evaluated by US shipyards. This presentation will review the development of tele-welding and additional tele-technologies and describe the development of the beta prototype system. Tele-welding will be demonstrated.

Connie LaMorte, Principal Engineer, is an expert in the areas of laser-based vision, in-process monitoring, and adaptive welding. She has been with EWI since 1996, previously serving as Engineering Manager for the Design, Controls, and Automation team. She has developed inspection and control solutions in a range of industries with an emphasis on weld-related defect detection and in-process monitoring, most recently in additive manufacturing. Connie is currently leading EWI's innovations in tele-manufacturing technologies including the recently completed tele-grinding technology.
