



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, March 6, 2024

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
check.

For Reservations Contact:

Harvey Castner –
hcastner@columbus.rr.com

Attendees must RSVP to this
meeting by March 4, 2024

**Please provide your company
name, whether you are a US
citizen and society if not AWS**

AWS Columbus Section Presents Hot Wire Semi-Auto GTAW for Shipbuilding Applications March 6, 2024

Technical Presentation: The presentation describes a U.S. Navy MANTECH Project that developed semi-automatic hot-wire Gas Tungsten Arc Welding (GTAW) as a replacement for labor-intensive manual GTAW for shipboard applications including the welding of pipes, structures and tanks. The project included the development of welding procedures, test assembly welding trials, and final procedure qualification to Navy requirements. The techniques were then transferred to further welding trials in a shipyard. The process was quickly accepted by the welders and demonstrated welding process improvements greater than 30%. The technology is now being implemented to support the construction of upcoming Navy platforms.

Speaker, Larry Brown: Larry is a Senior Project Manager and Technology Advisor at EWI with more than 40 years of manufacturing, applied R&D, and technical project management experience with both the U.S. government and commercial programs. He has a Welding Engineering degree from The Ohio State University and a M.S. in Management from Indiana Wesleyan University.
