



# 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:

November 21, 2024

(Thursday)

## Where:

OSU Welding Engineering  
1248 Arthur E Adams Drive  
Columbus, OH 43221  
(Lecture Room-East Side)

## Schedule:

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

## Cost:

\$20 (AWS/CTS members)  
\$30 for nonmembers  
\$0 for Students  
Pay at the door with cash or checks.

## For Reservations Contact:

Harvey Castner at  
[columbus@awssections.org](mailto:columbus@awssections.org)  
Attendees must RSVP to this meeting by Nov 18, 2024.

## AWS Columbus Section Presents Welding Challenges to Support Nuclear Renaissance November 21, 2024

***Presented by: Darren Barborak***  
*Electric Power Research Institute*

Nuclear power provides about 20% of all electricity generation in the US and is projected to triple by 2050 in support of ever-increasing demand and climate goals. Welding is critical to building next-generation nuclear plants that utilize advanced materials as well as repair and upgrade of existing plants that were expected to operate for 40 years but are being pushed to run for 80 years.

Darren Barborak, Technical Executive in the Welding and Repair Technology Center at EPRI is deeply immersed in all of these complexities. He holds a B.Sc., M.Sc., & Ph.D. in Welding Engineering from The Ohio State University where he is also an adjunct professor. His deep experience with welding process R&D, codes and standards engagement, training, and specialized welded repair techniques form the foundation for this engaging presentation about welding in the nuclear renaissance.



ENTER HERE on the EAST side of the building

**Directions:** The Ohio State University, Weld Engineering facility is on the east side of the EWI (Edison Welding Institute) building off of West Lane Avenue. Open parking available on the lot, walk around the East side of the building to enter the OSU WE area, do not enter in the doors facing the parking lot (South lobby), that is the EWI entrance.