



American Welding Society  
ALBERTA SECTION

AWS ALBERTA SECTION

# 2025 STUDENT NIGHT

October 15, 2025, 5-8PM

Location: NAIT SOUCH CAMPUS  
7110 Gateway BLVD. Edmonton

Daniele Calista



**Presentation Topic: High-Frequency Electric Resistance Welding of Tubular Products.**

Presented By: Daniele Calista

Daniele Calista is a PhD Candidate at the CCWJ and a past President of the University of Alberta CWBA/AWS Student Chapter. His thesis involves understanding the fundamentals behind the high-frequency electric resistance welding (HF-ERW) of tubular products, including line pipe, casings, and conduit. His research supports the application of tubular products in demanding conditions, particularly for renewable energy initiatives like hydrogen transport and CO2 sequestration. Beyond academia, Daniele's hobbies include 3D modelling and printing, and playing and officiating ice hockey, ball hockey, and volleyball. He is also interested in IMSA LMP racecars and racecar engineering.

**Presentation Topic: Simulations of Wire Arc Additive Manufacturing (WAAM)**

Presented By: Kathryn Craig

Kathryn Craig is a fourth-year BSc Chemical Engineering Co-op student at the University of Alberta. She joined the CCWJ Additive Manufacturing team, focusing on simulation work in Simufact. Her research is focused on modeling the thermal characteristics of Wire Arc Additive Manufacturing processes. In addition to her academic endeavors, Kathryn enjoys ballroom dancing, reading, and climbing, and is a part of the CCWJ social media team.

Kathryn Craig



This event is proudly co-hosted with our friends from the CWB association- Edmonton Chapter

Times and Location:

Wednesday, Oct 15, 2025, at NAIT Souch Campus (7110 Gateway Blvd NW, Edmonton, AB T6E 0E6, Canada)

- Event start: 5:00 PM
- The cost is \$20.00 for Members, \$20.00 for Non-Members, and \$5 for Students.
- Members of ASM, ASME, AWS, CWBA, AMPP, and SME will be charged as non-members

FOR REGISTRATION AND MORE INFORMATION



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<https://studentnight2025.eventbrite.ca>

This event will be livestreamed- more information coming soon