



CWB Association UpDate



CWB Association | Association CWB

Issue 2 – November 5th (2025-2026 Season)

Hamilton and Region

Please plan to attend our next Seminar or plant

This month our dinner and seminar will be at the Burlington Holiday Inn.

Located at 3063 South Service Road, Burlington. Attitude adjustment: 5:30 p.m. Dinner: 6:00 (Sharp)

Seminar 7:00 pm Dinner entrance fees for this meeting are Student \$20 non-student \$35.00

Topic/Tour

Topic: **Wire Arc Additive Manufacturing – Large-Scale 3D Metal Printing**

By **Jim Galloway**

This presentation will provide an overview of the Wire-Arc Additive Manufacturing (WAAM) technology that essentially turns a standard welding robotic system into a large-scale 3D printer of high-quality metallic components. Extensive testing of steel alloys produced with this method demonstrates that it can produce very high-quality materials with high-strength, ductility, and low-temperature toughness. This process can be used to create low-volume replacements for ferrous or non-ferrous castings or forgings, hybrid or multi-alloy components, and it opens many other unique opportunities for previously impossible designs. Some of the recent work by students and faculty at Conestoga College in WAAM process development, material performance evaluation, CAD-to-Print, and final quality assessment will be showcased in this presentation.

BIO: Jim Galloway recently retired as a Professor & Coordinator of Welding Programs at Conestoga College in Cambridge, Ontario. He holds a B.A.Sc. in Industrial Engineering Technology, is a Certified Engineering Technologist, a graduate of Conestoga's welding technology programs, and holds a Journeyman Welder (Red Seal) qualification. Over his 44-year career he has worked as a welding inspector and R&D technologist in the power generation industry, and a technical & manufacturing manager in production welding and fabrication facilities. Jim currently volunteers with several CSA Technical committees including CSA-W117.2 (welding safety), CSC26 (arc welding equipment), and CSA-W48 (electrodes & filler metals).



Future event

December 3rd, 2025

Topic: To be Announced

Contact any Hamilton Chapter Board Member

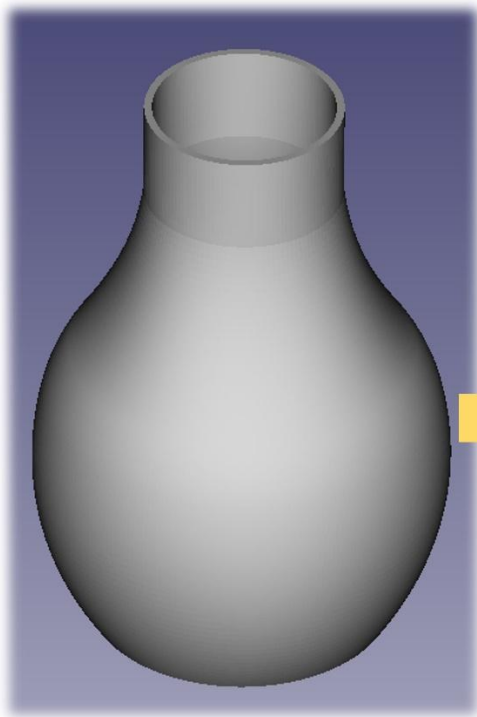
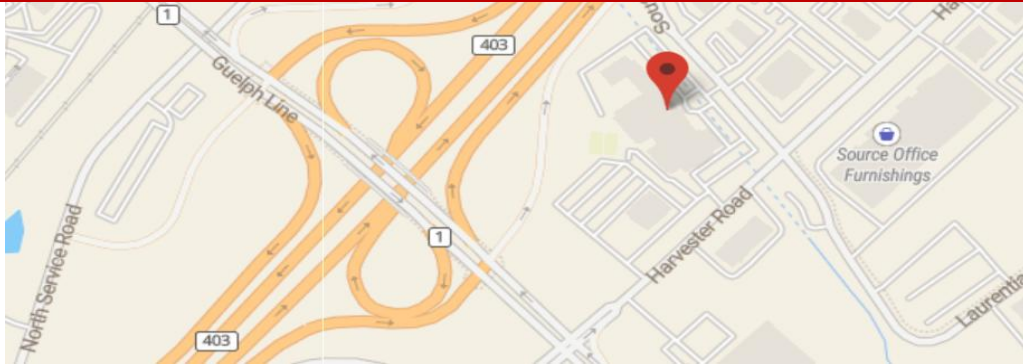
Note! You must register in advance.

Please register by contacting

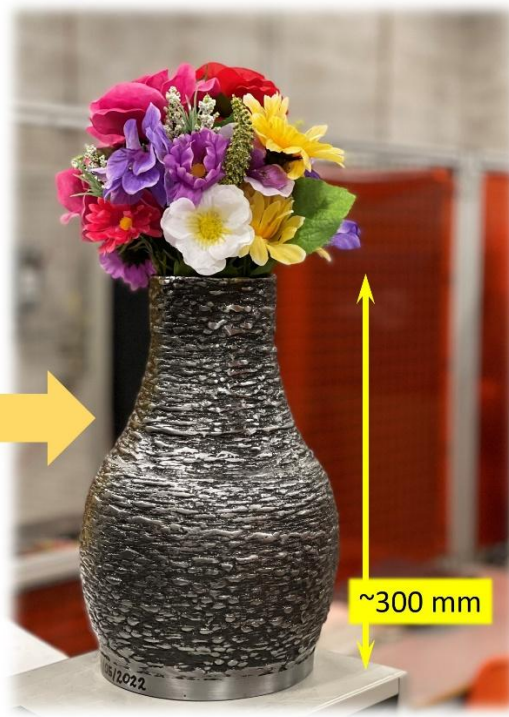
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Map showing the location Holiday Inn Burlington Hotel & Conference Centre”:



CAD Solid Model



Printed Steel Vase

Jim Galloway



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