SPEAKERS

Randi Wudrick (She/Her)
Messer Canada Inc.
Welding Specialist
1309 8st Nisku, AB

A technical expert dedicated to supporting customers and internal teams with advanced welding solutions. With strong knowledge of welding processes, gases, and applications, they provide guidance on process optimization, cost efficiency, and safety. They work closely with sales and operations to develop tailored solutions, improve productivity, and ensure high-quality results across various industries such as manufacturing, metal fabrication, and energy.

Topic: Welding Safety with Ozoline gases

Christian De Guzman
Welding Specialist, Western Region

Topic: Helium Alternative Inoxline N2C3

J. Eduardo Alvarez Rocha (Eddie)

J. Eduardo Alvarez Rocha is a Ph.D. Student in Materials Engineering at the University of Alberta. His research focuses on the application of handheld laser beam welding (HLBW) to multi-pass welding of thick cross-sections for pressure welding applications. Eduardo has more than 20 years of experience in the Alberta energy sector, with a focus on critical repairs during planned and unplanned maintenance outages. He holds an M.Sc. in Welding Engineering and a B.Sc. in Mechanical Engineering from the University of Alberta. In addition, he holds a Red Seal Journeyman Certificate in Welding, API 510 and API 570 inspection certifications from the American Petroleum Institute, a Level 2 Welding Inspector Certificate from the Canadian Welding Bureau, and Welding Examiner and In-Service Equipment Inspector certificates from the Alberta Boiler Safety Association. He is a recipient of the American Welding Society Graduate Fellowship and the CWB Foundation Leadership in Welding Award.

Topic: Handheld Laser Beam Welding to the fabrication and repair of pressure components (linking to ASME Sec. IX)

Kimberley Meszaros
P.Eng., M.Sc. WE, API 570

Kimberley Meszaros (P.Eng., MSc, WE, API 570) is a professional engineer in Alberta with over 20 years of experience in energy and R&D. As Principal Engineer – Welding at InnoTech Alberta, she specializes in welding metallurgy, processes, automation, and additive manufacturing. She holds BSc and MSc degrees in Materials Engineering from the University of Alberta, serves as an adjunct assistant professor, and contributes to key industry standards including ASME BPV Section IX, AWS A5G, and CSA W117.2.

Topics:
- Welding and advanced manufacturing
- Manufacturing codes and standards
- Scale-up and technology deployment for advanced manufacturing

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Dave Waldbillig, PhD, PEng
Principal Engineer, Advanced Manufacturing and Materials
InnoTech Alberta

Dr. Dave Waldbillig, PhD, PEng is a Principal Engineer in Advanced Manufacturing and Materials at InnoTech Alberta where he leads programs in additive manufacturing, coatings, and new material development. His work at InnoTech bridges the gap between research and industry to develop new applied technologies and facilitate their adoption into industry. He has more than 20 years experience leading research projects in additive manufacturing, coatings, clean energy, and materials development in industrial and academic settings and at government labs. He has a PhD in Materials Engineering from the University of British Columbia where he developed new methods to manufacture solid oxide fuel cells using atmospheric plasma spraying and is a Professional Engineer registered with APEGA.

Topics: Additive Manufacturing: From Prototypes to Industrial Production

ARTIST

Joanne Guthrie
Artist

Joanne Guthrie is a multidisciplinary artist and Journeyman welder based in St. Albert, Alberta, with over 20 years of experience in metal fabrication, including work in Alberta's oil and gas sector. Her practice transforms industrial and natural materials into sculptures, drawings, and paintings that explore themes of transformation, sustainability, and the relationship between industry and the environment. Joanne's work has been exhibited across Alberta, with notable projects including Metal Vines Unleashed (2024) and The Giving Tree (2017).