

ANNUAL SEMINAR

WELDING FOR THE HYDROGEN ECONOMY

EXPERIENCES, OPPORTUNITIES, AND CHALLENGES

Kalen Jensen **ATCO**

Kelsey Coulter **ATCO**

David Jordan **Lincoln Electric**

Bill Mohr **EWI**

Joshua James **EWI**



Friday
April 28 2023
7:45 am-4:45 pm

Room 8-207
8th floor, DICE
University of Alberta, Edmonton

Register



SPEAKERS

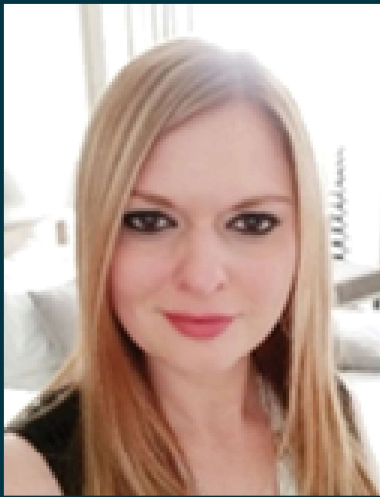
KALEN JENSEN ATCO

Kalen holds a Bachelor of Science Degree in Materials Engineering from the University of Alberta. Kalen has focused his career in the area of Pipeline Integrity, establishing and modernizing ATCO's approach to Integrity Management over his 12 year career. He actively participates on several technical industry committees including: PRCI, EFI, CEPA, CSA, and the ILI Users' group. His integrity experience includes external and internal corrosion, cracking, mechanical damage, risk assessment, fitness for service, and Engineering Assessments. More recently he has been focused on ATCO's technical transition to hydrogen blended natural gas for distribution and transmission customers.



KELSEY COULTER ATCO

Kelsey Coulter has been involved in the welding industry for 19 years when she started her apprenticeship and achieved her Red Seal Journeyman Welding Certification. She completed the Welding Engineering Technology Program at SAIT, got her B.Sc. in General Engineering-Welding Option at Montana Tech and gained experience as an Inspector and Project Engineer in various sectors of the Energy Industry. In 2016, Kelsey started at ATCO coordinating and managing inspections and assessments on historical assets. She then moved into the role of the Supervisor of ATCO's Weld Quality Assurance team focusing on governance and continuous improvement of ATCO's welding and fabrication practices. Kelsey is currently implementing the functional use of those practices as the Supervisor of Shop Services, North



DAVID JORDAN LINCOLN ELECTRIC

David Jordan, Director of Global Industry Segments – Process Industries and Maintenance & Repair. He has 26 years of industry experience, 18 years with Lincoln Electric, 8 years in process piping industry. He Worked in different technical sales roles with Lincoln Electric covering numerous industries including oil & gas, pipe mill, mining, agriculture, transportation and heavy fabrication. He current focuses on providing Process Industry and M&R welding solutions by working with Industry end users and Lincoln colleagues to develop and deploy welding equipment and consumables that drive innovation, productivity, and improved quality for the end-user's welding processes.



SPEAKERS

BILL MOHR EWI

Bill Mohr, Principal Engineer in EWI's structural integrity group, is responsible for initiating, executing, and reporting research and contract work. He is an expert in the areas of fitness-for-service assessment, design, and fatigue of welded structures. Prior to joining EWI in 1993, Bill worked for Shell Development Company, where his work included assessment of failed piping systems, impact-loaded machine components, and nozzle-to-head connections. Bill's Ph.D. thesis developed an applied mechanics analysis of creep resistance in particle-hardened alloys. He has authored more than 50 technical papers and many project reports of failure analyses, and fitness-for-service assessments.



JOSHUA JAMES EWI

Joshua James, Principal Engineer and Research Leader for the materials and structural integrity groups at EWI. He has extensive experience in materials degradation and applies his expertise in both EWI research and client projects related to corrosion and materials science. Since 2007, he has worked in contract R&D, covering a range of materials degradation issues connected to industrial applications. Prior to joining EWI, Joshua spent four years as a Principal Research Scientist at Battelle in the advanced materials group. He also spent two years leading internal research and development at Resonetics, focusing on materials issues surrounding a burgeoning additive manufacturing program, and seven years as a Project Engineer at DNV investigating materials integrity threats in the energy industry.