

07.07.26

WELDING, JOINING & MANUFACTURING
EXHIBITION - 2026



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MEMBERS
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Session 1 - 09:00 am – 10:20 am

Environmental Challenges Associated with Low-Carbon Energy Solutions

The opening session addresses the environmental and integrity implications of energy transition technologies, including carbon capture and storage (CCS), hydrogen embrittlement, and methanol service. Expert speakers will present insights followed by an interactive panel discussion with representatives from industry, research and regulatory bodies.

MEMBERS
& NON-MEMBERS

Session 3 - 01:00 pm – 02:20 pm

Materials Challenges in Offshore Environments

The afternoon session explores the integrity of materials in offshore service, including surfacing technologies, field integrity management, and operator perspectives. A final panel discussion will bring together speakers to debate the key technical barriers and opportunities for offshore applications in both traditional oil and gas and emerging energy sectors.

MEMBERS
& NON-MEMBERS

Session 2 - 10:40 am – 12:00 pm

Materials Advances for Energy

This session focuses on materials innovation for current and future energy systems. Topics include the sour performance of additively manufactured Alloy 718, hydrogen embrittlement of AM materials, and advances in polymeric materials for pressurised fluid containment. The session concludes with a panel discussion examining qualification challenges, performance validation and deployment in safety-critical environments.

MEMBERS
& NON-MEMBERS

Session 4 - 3:00 pm – 4:30 pm

Masterclass on Where welding goes wrong

The masterclass will be presented by Dr Dave Howse, Technology Fellow, TWI Ltd and Joanna Nicholls, Consultant, TWI Ltd on Where Welding goes wrong - flaws and consequences



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