

Hot and Cold – Assuring fit for purpose joints – Welded and Non-Welded Connections

Good practice, qualification, assurance and testing

3 March 2021: Aker Solutions, Dyce



CONFERENCE TECHNICAL PROGRAMME

With the ageing Oil and Gas infrastructure in the North Sea, and the desire to maintain up-time whilst paying the highest regard to both safety and cost, both welded and non-welded joints are now fundamental to the integrity management of pressurised equipment.

This conference, jointly organised by SPE Aberdeen and IMechE, will share knowledge and experiences of different types of hot and cold connections including what to look out for to equip engineers working at all levels to be able to ensure joints are fit for purpose. We will address pitfalls and provide tips and important things to watch out for upfront during installation and throughout the life of the joint and we will look at both recent developments and guidance in the use of mechanical connectors and the importance of ensuring the integrity of welded and non-welded connections.

Conference Chair Robin Hastings, Chrysaor explains “This year we want to deepen the discussion from last year’s conference on assurance of pressurised joints, whether they are made in the traditional welded (hot) fashion, or whether they employ one of the many mechanical (cold) techniques. Each joint type has its own nuances, and only by understanding those can you be confident that a joint is truly fit for service. The conference will provide a platform for those at the forefront of this technology to share their knowledge with the wider engineering community.”

BOOKING INFORMATION

	Early Bird until 31 December 2020	Fee after 31 December 2020
SPE Aberdeen / IMechE Members	£280	£330
Non-Members	£330	£380
Student and Unemployed Rates	£25	£25

Rates exclusive of VAT. To book, visit www.spe-aberdeen.org and click on ‘Conferences’ or call **01224 646311**.

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08:00	Registration & Networking - Bacon rolls
09:00	Welcome - Conference Chairperson Robin Hastings, Chrysaor
09:05	Keynote Presentation Matthew Blackburn - HSE
09:25	Mark Thompson - DNV
09:35	John Nicolson - Spirit Energy
09:45	Panel discussion
10:15	Refreshments & Networking
10:45	The role of Numerical Simulation in Fitness-for-Service Assessments of Flawed Connectors - Norton Straw
11:10	Assessment of corrosion in flanged joints - HSE
11:35	Using Ultrasonic Guided Wave NDT to investigate the feasibility of remotely inspecting pressure retaining O-rings in bolted connections - Fraser Nash
	Techbyte Sessions:
12:00	Mechanical connectors facilitate safe and cost-effective diesel system pipework replacements in the North Sea - STATS Group
12:05	Oceaneering M5 flyable monobore connection systems - Oceaneering
12:10	
12:15	Weld Free Hydraulic Connections - Hydrasun & Parker
12:20	Management of legacy/equipment after change of ownership - Elisian
12:25	Lunch & Networking
13:30	A case study in the use of a mechanical clamp on a leaking non-typical joint - Wood
13:55	The Justification of the use of Lokring on a fully welded system in a non-hazardous area: A case study - Lokring
14:20	An Insight into aspects of design, functionality and validation of downhole tubular threaded connections - Hunting
14:45	Refreshments and networking
15:15	Justification of mechanical connectors and the reduced risk over welded solutions - ICR
15:40	Development of Mechanical Connector Technologies - Connector Subsea Solutions
16:05	Friction Welding Joint Integrity - Claxton Energy
16:30	Cold spray, an alternative to weld repair - Total
17:00	Closing Remarks - SPE Aberdeen

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EXHIBITION STANDS

Only a few stands remain and are available at a cost of £1,100. There will be ample opportunity for maximum interaction between exhibitors and delegates during the registration period, coffee breaks and during lunch.

All costs exclusive of VAT.

For more information on sponsorship, exhibition space or the Conference, call the Events Team on **01224 646311** or email aberdeen.events@spe-uk.org

www.spe-aberdeen.org/events



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