

CHEMISTRY IN THE OIL INDUSTRY XIX

‘Shaping the Future of Energy’

 RSC INTEREST GROUP
SPECIALITY CHEMICALS

 eosca
EUROPEAN OILFIELD SPECIALITY CHEMICALS ASSOCIATION

Conference Programme



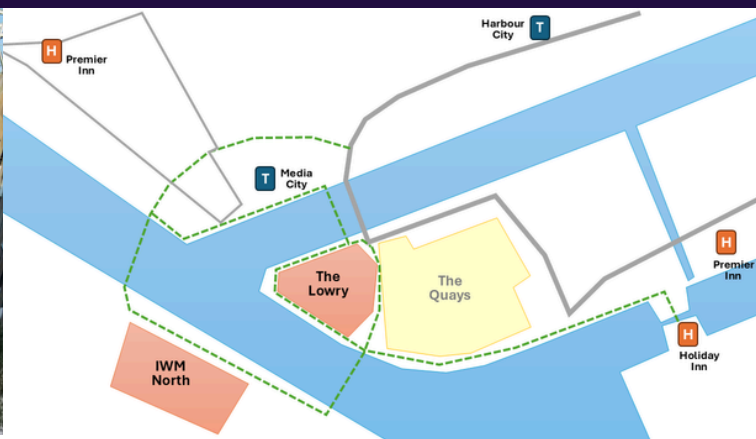
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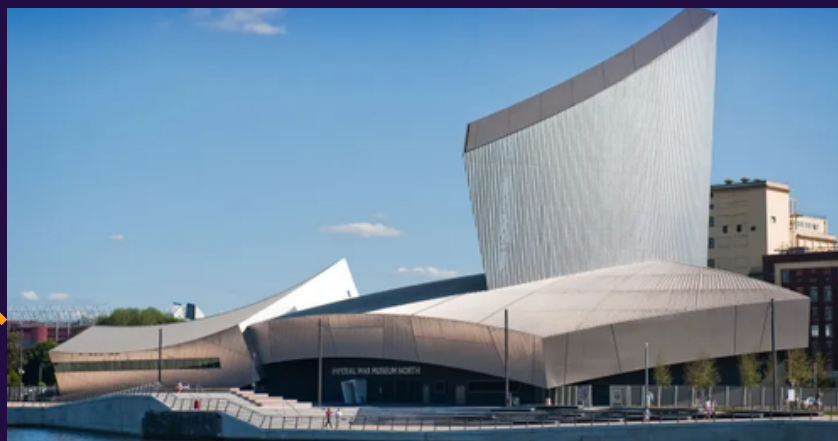
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Venue Location



Training Course and Main Conference

Lowry Conference Centre Pier 8, The Quays, Salford, M50 3AZ



Drinks Reception & Dinner

**Imperial War Museum
The Quays, Salford,
M17 1TZ**

Monday 20th April

Short Training Course (Pier Eight Room)

'Understanding Production Chemistry and Oil Water Separation and Treatment'

Wally Georgie

08:30	Short Training Course Registration and Arrival Refreshments
09:00	Short Training Course Commences - Session 1
11:00	Coffee Break
11:30	Short Training Course - Session 2
12:30	Lunch
13:30	Short Training Course - Session 3
14:30	Coffee Break
15:00	Short Training Course - Session 4
16.30	Course Closes

Symposium Registration & Welcome Drinks Reception (Quays Bar)

16:00 - 19.00	Symposium Registration, Exhibitors and Networking
19:00 - 20.00	Welcome Drinks Reception Silver Sponsor Address

Symposium Delegate
Registration followed by welcome drinks
Open to all delegates

Short Training Course
This course is an optional extra
which can be purchased on registration



Tuesday 21st April

Symposium Registration & Refreshments (Theatre Bar)

08:00	Symposium Registration and Arrival Refreshments
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Symposium Opens (Compass Room)

08:30	Welcome by CITOI XIX Committee Chair Nik Robinson, NIKAM Consulting Limited Gold Sponsor Address
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08:45	Keynote Talk: The use of chemicals in the offshore industries David Whitehouse, OEUK
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Session 1 – Carbon Capture, Use and Storage (Compass Room)

Chairs: Ross MacDonald - Spirit Energy, Christina Sanders - Baker Hughes

09:30	Exploring The Importance of Production Chemistry for Efficient and Economical Carbon Capture, Utilisation and Storage (CCUS) – Identifying Risks and Mitigation Strategies Stephen Heath, Creative Chemical Solutions Limited
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09:55	Optimising Carbon Management: An Integrated Hybrid Approach Utilising Photocatalytic CO₂ Conversion to Methanol and Carbon Storage Khosro Jarrahan, PETRONAS & Heriot-Watt University
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10:20 - 10.50	Refreshment Break, Exhibitors & Poster Talks: (Theatre Bar) <ul style="list-style-type: none"> Evaluating Solubility and Retention of Phosphonate Inhibitors for Optimised Scale Control in Subsurface Applications - Mozhdeh Igder, Heriot-Watt University Requalification of Wax Chemicals from Europe and North America as Rheology Modifiers and Viscosity Reducers in West Africa - Bassey Bassey, Cranfield University Comparing marine and freshwater toxicity data to inform the potential future use of REACH toxicity data in HMCS - Lucy Kennelly, wca environment Ltd
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Session 2 – Carbon Capture, Use and Storage and Industry Insight (Compass Room)

Chairs: Myles Jordan - SLB, Andrew Shepherd - Curtin University

10.50	Gas Hydrate & Halite Risk Assessment for Morecambe CCS Operations Ross Anderson, Axis Well Technology
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11.15	Evaluation of Halite Precipitation Risk during CO₂ Injection in a SNS Gas Field Xu Wang, Parex Solutions Ltd
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11.40	Industry Review: The Role of Specialty Production Chemicals in Shaping the Past 110 Years of the Petroleum Industry David Jennings, Baker Hughes
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12.05 - 13.00	Lunch, Exhibitors & Networking Theatre Bar
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Session 3 – Corrosion Inhibitors and their Regulatory Challenges (Compass Room)

Chairs: John Kennedy - MacDermid Offshore Solutions, Tony Haslegrave - Consultant & RSC Member

13.00	Design and Application of Oil-Based Corrosion Inhibitors in High-H₂S Production to Address Corrosion and Separation Challenges Ernesto Petteruti, Chimec SpA
13.25	Readily biodegradable corrosion inhibitor for the protection of oilfield pipelines Will Trenholme, Innospec
13.50	The challenge of environmentally acceptable production chemicals: A Corrosion Inhibitor Case study Olu Adetunmbi, Spirit Energy
14.15	Corrosion inhibitors: Environmental villain or simply misunderstood? Chris Dawson, University of Strathclyde
14.40 - 15.15	Refreshment Break, Exhibitors & Poster Talks: (Theatre Bar) <ul style="list-style-type: none"> • Nanomaterials in offshore chemical products - Nicola Geary, Cefas • Substances in Solvent: A biodegradation dilemma resolved? - Carl Clarke, Cefas • Turning tables – avoid turning tick boxes into questions - Freya Mickleburgh, Cefas • Project to Ascertain Short-Term Marine Chronic Toxicity Testing Scope for Regulatory Use – Kirit Wadhia, NOV

Session 4 – Flow Assurance (Compass Room)

Chairs: Kevan Hatchman - Surfachem Limited, Hans Oschmann - Emery Oleochemicals

15.15	Chemical additive control of asphaltene driven crude oil fouling: Identification of potential molecular interactions and translation from laboratory to field application Chris Russell, SLB
15.40	The effect of solvents in demulsifiers Simon Vaage, SLB
16.05	Developments in Para-Window technology broaden the view over paraffin deposition processes Chris Russell, SLB presenting a paper by Benjamin Seufferlein, SLB
16.30 - 17.00	Day One Conclusions, Poster Session & Networking Nik Robinson, NIKAM Consulting Limited
19.00 - 20.00	Drinks Reception (Imperial War Museum)
20.00 - 22.30	Symposium Dinner (Imperial War Museum)

Wednesday 22nd April

Symposium Day 2 (Compass Room)

8.30 **Day Two Opening Remarks**
Nik Robinson, NIKAM Consulting Limited

8.45 **Keynote Talk: 10 Lessons in Oilfield Chemistry: The first 3...**
Ken Sorbie, Heriot-Watt

Session 5 – Hydrogen Sulphide and Product Quality (Compass Room)

Chairs: Jack Dunlop - JD Vistas Ltd, Tony Haslegrave - Consultant & RSC Member

9.30 **Application of a novel, innovative and highly accurate test method for liquid phase H₂S scavenger evaluation**
Grahame Taylor, Arxada

9.55 **Revolutionising H₂S Control: Innovative Scavenger Chemistry Advancing Operational Excellence**
Jennifer Knopf, Vink Chemicals

10.20 - 10.50 **Refreshment Break, Exhibitors & Poster Talks: (Theatre Bar)**

- Geochemical Trapping of Hydrogen Sulfide (H₂S) in Carbonates: Insights from Calcite–Siderite–Hematite Systems - **Khosro Jarrahan, PETRONAS & Heriot-Watt University**
- The Role of Enhancers Chemistry in Squeeze Life Extension – From Mutual Solvents to Novel Polymer Additives, **Louise Sutherland, SLB**
- Evaluation and Comparison of Oilfield Emulsion Control Methods by Technoeconomic Modelling of Field Performance - **Bassey Bassey, Cranfield University**
- Improvement of the Stability of Biooil-Bunker Blends for Shipping - **Waqas Aleem, Danish Offshore Technology**

Session 6 – Scale (Compass Room)

Chairs: Andrew Shepherd - Curtin University, Rachael Hughes - SLB

10.50 **Development and Application of a “Green” (Y1) scale inhibitor for Squeeze Treatment Application in the North Sea – Laboratory to Field Case Study**
Myles Jordan, SLB

11.15 **Y1 Scale Inhibitor Development To Control Sulfate Scale Using Laboratory Generated Solids**
Eleanor Malone, Baker Hughes

11.40 **2 in 1 corrosion and scale inhibitors - Results of Laboratory Studies and Field Application -**
Per-Erik Hellberg and Ivana Komparić, Nouryon

12.05 - 13.00 **Lunch, Exhibitors & Networking (Theatre Bar)**

Session 7 – Regulatory (Compass Room)

Chairs: Christina Sanders - Baker Hughes, John Kennedy - MacDermid Offshore Solutions

13.00	Chemicals and Environmental Risk Assessment in the Oil Industry Kirit Wadhia, NOV
13.25	PPORD – R&D’s Best Friend for EU REACH and UK REACH Jonathan Collins, Baker Hughes
13.50	The Challenges Facing Formulation and Development of an Environmentally and Regulatory Sustainable Subsea Production Control Fluid Gwendolyn Rayworth, MacDermid Offshore Solutions
14.15 - 14.45	Refreshment Break, Exhibitors & Poster Talks: (Theatre Bar) <ul style="list-style-type: none"> • Research on Effectiveness of New Demulsifier Formulas Used in Oil and Gas Industry - Michal Korzec, Brenntag • The partitioning of corrosion inhibitors - Chris Dawson, University of Strathclyde • H2S Journey from Reservoir to Export - Kevin Harris, Intertek CAPCIS
Session 8 – Asset Integrity (Compass Room)	
Chairs: Myles Jordan - SLB, Ross MacDonald - Spirit Energy	
14.45	Microbiology and Biocide Strategies in Mature Production Assets: Lessons Learned to Support Integrity Management Andrew Shepherd, Curtin University
15.10	Fast and Green: Cellulose and Silica based Flocculants for Sustainable Oilfield Water Clarification Zahra Taleat, Nouryon
15.35	Panel Discussion: Topics to include; AI and Offshore Energy, Energy Security, Energy Transition and Audience Questions.
16.05 - 16.15	Symposium Concluding Remarks Nik Robinson, NIKAM Consulting Limited
16.15 - 17.00	Final chance to see posters, networking and symposium close