

## Chemistry in the Oil Industry XVII Sustainable Chemistry: Towards Net Zero

1st – 3rd November 2021

Virtual Conference

#CITOI2021

@RSC\_SCS\_CITOI

### PROGRAMME

The Symposium is a technical conference focussed on all parts of the oil and gas industry (upstream, midstream and downstream) where chemistry is the central theme. The industry is adjusting to “new normals” and addressing energy transition whilst catalysing carbon reduction in all areas including chemical procurement and application. Our collective challenge is to develop the chemical technologies needed to operate a sustainable and climate-driven global industry. To do this safely whilst meeting environmental standards remains paramount.

The programme for oral presentations as well as poster presentations is featured below.

This programme is correct at the time of writing and may be subject to change.

Monday 1 <sup>st</sup> November 2021 Delegate Registration	
Tuesday 2nd November 2021	
09:00	Welcome by CITOI XVII Committee Chair
<b>SESSION 1</b>	<b>SUSTAINABILITY</b>
09:15 <b>KEYNOTE</b>	<i>RSC Position Statement: Climate Change</i> , Royal Society of Chemistry, UK
10:00	<i>Next Generation CH<sub>4</sub> and CO<sub>2</sub> Emission Measurement: The Pathway to Net Zero</i> , MIRICO, UK
<b>10:30</b>	<b>BREAK: Visit Poster Rooms &amp; Online Networking</b>
10:45	<i>Supporting the Net Zero Basin - Case Study of CO<sub>2</sub> Emissions Associated with Chemical Use in the UK North Sea</i> , ChampionX, UK
11:15	<i>Carbon Capture, Utilisation and Storage – The Role of Production Chemistry</i> , Creative Chemical Solutions, UK
11:45	<b>Panel Discussion</b>
<b>12:00</b>	<b>LUNCH: Visit Poster Rooms &amp; Online Networking</b>
<b>SESSION 2</b>	<b>TECHNICAL SESSION 1</b>
12:45	<i>Future Perspective for Risk Based Approach and the Management of Produced Water</i> , National Oilwell Varco (NOV), UK
13:15	<i>Potential Chemistries to Improve the Sustainability of Produced Water Reinjection (PWRI)</i> , ChampionX, UK
<b>13:45</b>	<b>BREAK: Visit Poster Rooms &amp; Online Networking</b>
14:00	<i>Rapid Onsite Analysis for Improving Water Management in Remote Offshore Oil and Gas Production</i> , ChampionX, UK
14:30	<i>The Retention of Scale Inhibitors on Carbonate Rocks by Coupled Adsorption/Precipitation (Γ/Π) Processes</i> , Heriot-Watt University, UK
15:00	<i>Impact of Asphaltenes on the Behavior of Winsor III Microemulsions: Formation, Structure and Compositions</i> , IFP Energies nouvelles (IFPEN), France
15:30	<b>Panel Discussion</b>
<b>15:46</b>	<b>REVIEW OF DAY 1 – Continued Opportunity to Visit Poster Rooms &amp; Online Meetings</b>

## Wednesday 3rd November 2021

09:00	Welcome to Day 2 by CITOI XVII Committee Chair
<b>SESSION 3</b>	<b>REGULATORY &amp; ECONOMICS</b>
09:15 <b>KEYNOTE</b>	<i>Net Zero Commitment - Impact and Opportunity Assessment for Supply Chain Businesses</i> , DNV, UK
10:00	<i>UK REACH - The Challenge for Sustainable Chemistry 2020-2030</i> , EOSCA, UK
<b>10:30</b>	<b>BREAK: Visit Poster Rooms &amp; Online Networking</b>
10:45	<i>Global Offshore Chemical Management Strategy - Abidjan Convention</i> , Baker Hughes, USA
11:15	<i>Management and Control of Oilfield Chemicals - a Nexus Between Nigeria's Regulations and the Abidjan Convention</i> , Department of Petroleum Resources (DPR), Nigeria
11:45	<b>Panel Discussion</b>
<b>12:00</b>	<b>LUNCH: Visit Virtual Poster Rooms &amp; Online Networking</b>
<b>SESSION 4</b>	<b>TECHNICAL SESSION 2</b>
13:15	<i>Addressing Refinery Fouling by Qualifying Chemical Additives using Novel Technologies</i> , Scaled Solutions, UK
13:45	<i>The Use of Aggregation Onset Technique to Improve the Shelf-life of a More Sustainable Aqueous Dispersion-based Wax Inhibitor</i> , The Dow Chemical Company, USA
<b>14:15</b>	<b>BREAK: Visit Poster Rooms &amp; Online Networking</b>
14:30	<i>Dispersion-type Crude Oil Paraffin Inhibitors - A Sustainable Flow Assurance Solution</i> , Evonik Oil Additives, USA
15:00	<i>Tailor-made Hyperbranched Polyesters as Paraffin Inhibitors</i> , BASF, Germany
15:30	<b>Panel Discussion</b>
<b>15:45</b>	<b>SYMPOSIUM REVIEW &amp; CLOSING REMARKS – Continued Opportunity to Visit Poster Rooms &amp; Online Networking</b>

## POSTERS

<i>A Substance of Character - Registration Requirements of UVCBs</i> , Centre for Environment, Fisheries and Aquaculture Science (CEFAS), UK
<i>High Active Low Viscous Subsea &amp; Deepwater Dendritic Wax Inhibitors</i> , Schlumberger, Norway
<i>Investigation of Divalent Cation - Scale-Inhibitor Precipitation with Microfluidics</i> , Heriot-Watt University, UK
<i>Per- and Polyfluoroalkyl Substances (PFASs) in Offshore Chemicals 2010 to 2018</i> , Centre for Environment, Fisheries and Aquaculture Science (CEFAS), UK
<i>Substances in Solvents: a Biodegradation Dilemma</i> , Centre for Environment, Fisheries and Aquaculture Science (CEFAS), UK
<i>The Subtleties and Chemistry of Demulsification</i> , Oilfield Chemicals Consultant, UK
<i>What's in a name? Substance Characterisation Best Practice for Test Compliance and Traceability</i> , Centre for Environment, Fisheries and Aquaculture Science (CEFAS), UK

## DELEGATE PRICING

Taking into consideration the virtual nature of the Symposium we have set the fees as follows:

**RSC / EOSCA members** - £250 + VAT per person

**Non-members** - £300 + VAT per person

**Academics / Students / Speakers** - £100 + VAT per person

(UK VAT is charged at 20%)

**For registration and log-in for the virtual event platform visit**

<https://events.rsc.org/rsc/2298/register>

This International Symposium is organised by the Royal Society of Chemistry Speciality Chemicals Interest Group and the European Oilfield Speciality Chemicals Association.

For more details please contact the CITOI Conference Secretariat

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