Aberdeen Exhibition & Conference Centre, Scotland
Pre-conference Workshop
Sand management – drilling to production
27th March 2018
Conference and Exhibition
28th & 29 March 2018
Lead presentations from:
• Shell
• Total
• BP
• Petronas
• Maersk Oil

Sand – a global challenge
Message from the Forum Co-chairs

We invite you to join us at the 8th Sand Management Euroforum entitled Innovative technologies and case studies that drive value taking place at the AECC from 27 – 29th March 2018.

As previously The Society of Petroleum Engineers Aberdeen and the Sand Management Network have again combined their resources to present this biennial opportunity to learn, share experience and network with fellow-professionals.

For those new to the sector, a pre-conference workshop ‘Sand management – drilling to production’ is designed to provide an overview of the discipline.

The two-day conference programme will showcase case studies, strategies and novel solutions from professionals in services companies, academia and operators with a global perspective. Lead presentations will be given by Shell, BP, Total, Petronas and others.

Euroforum 2018 offers valuable opportunities to promote your company to a targeted audience of sand management professionals by booking an exhibition stand or sponsorship. We do hope you will participate in the Euroforum 2018 to share your knowledge and help drive forward industry best practice.

Steve Hicking
Principal Production Technologist, Shell UK
SPE SMN Euroforum 2018 Co-chairs

Chris Couper
Sand Control PSL Co-ordinator, Halliburton
SPE SMN Euroforum 2018 Co-chairs

Programme for Wednesday 28 March 2018

08:00 Registration and breakfast rolls in Exhibition Hall

08:50 Welcome and introduction
Steve Hicking, Shell, Co-chair, SPE SMN 8th Sand Management Euroforum

09:00 Opening address
Presenter TBC, Total

09:45 Gannet: A Sand Control Evolution
Imran Sheikh, Shell

10:10 Completion performance in the Chestnut field – Case History
Juan Tovar, Innovative Engineering Systems Global

10:35 Data acquisition and visualization – increasing operational efficiency and safety
Anders Arefjord, FourPhase

11:00 Refreshment break in exhibition hall

11:30 New technology to improve the longevity of water injection wells in sand prone reservoirs
Annabel Green, Tendeka

11:55 The Industry’s First ICD/AICD Gravel Pack Model
Phil Wassouf, DuneFront and Halliburton

12:20 Case Study of a Sand Management Journey: Dream, Dare and Deliver
Anish Gupta, Petronas

12:45 Value Creation from an Implemented Holistic Sand strategy – A Case Study
Ali Moncur, SMS & Nurfarah Izwana Salleh, Petronas

13.10 Buffet lunch in exhibition hall

14:10 Non-intrusive erosion monitoring drives improved safety, reliability and production
Chris Burke, Emerson Automation Solutions

14:35 Nelson N20x Sand Screen Retrofit
Conor Carleton, Shell UK Limited

15.00 Refreshment break in exhibition hall

15.30 Managing sand risk across a global wells business
John Mason, BP

15.55 Technology enhancement and or development, what drives the process, and what does the prize look like for both operators and service providers alike
Paul Day, Weatherford

16.20 Closing Remarks
Steve Cromar, SPE Aberdeen

16.30 Networking reception in exhibition hall

17.30 Close of Day 1

Note: Programme subject to amendment by SMN/SPE Aberdeen
**Programme for Thursday 29 March 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Registration and breakfast rolls in Exhibition Hall</td>
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<tr>
<td>08:55</td>
<td>Welcome and introduction</td>
<td>Chris Couper, Halliburton</td>
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<td></td>
<td>Co-chair, SPE SMN 8th Sand Management Euroforum</td>
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<tr>
<td>09:00</td>
<td>Using Sand Quantification to Frame Sand Management Strategies</td>
<td>Steve Hicking, Shell</td>
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<tr>
<td>09:45</td>
<td>Bismuth and Thermite: A New Approach to Sand Management</td>
<td>Jeff Fulks, BiSN</td>
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<tr>
<td>10:10</td>
<td>A Novel Computational Intelligence Approach for Acoustic Signal Monitoring of Sand in Flowlines</td>
<td>Tijani Aminu Kuda, Glasgow Caledonian University</td>
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<td>10:35</td>
<td>Refreshment break in exhibition hall</td>
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<tr>
<td>11:05</td>
<td>Novel approaches to identification &amp; remediation of screen failure</td>
<td>James Archer, Chevron</td>
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<td>11:30</td>
<td>Multiphase flow assurance in subsea tiebacks</td>
<td>Babs Oyeneyin and Voke Salubi, RGU</td>
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<td>11:55</td>
<td>Downhole flow diversion technology for sand clean-out</td>
<td>Grant Knight, Centraflow</td>
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<td>12:20</td>
<td>Research advancement of sand management for offshore oil and gas wells</td>
<td>Wen Min and Meng Hongqu, CNOOC Research Institute</td>
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<td>12:45</td>
<td>Buffet lunch in exhibition hall</td>
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<td>14:00</td>
<td>Sand Control Completions Design for Raven HPHT field in Egypt</td>
<td>Tahir Tahirov, BP GWO Egypt</td>
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<td>14:25</td>
<td>Sand Transport Model Integration with Hydraulic Modeling Tools</td>
<td>Todd P. Lagus, ExxonMobil</td>
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<td>14:55</td>
<td>Refreshment break in exhibition hall</td>
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<tr>
<td>15:25</td>
<td>Case Study on the Pierce Field</td>
<td>Ross Marshall, Shell UK Exploration &amp; Production Ltd</td>
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<td>15:50</td>
<td>Restoring production from sand control wells utilizing a light well intervention vessel</td>
<td>Marie Morkved, Maersk Oil</td>
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<tr>
<td>16:15</td>
<td>Discussion Session</td>
<td>Chaired by Steve Hicking, Shell</td>
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<td>16:35</td>
<td>Closing Remarks</td>
<td>Babs Oyeneyin, Chair, SMN</td>
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<td>16:45</td>
<td>Close of Day 2</td>
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Note: Programme subject to amendment by SMN/SPE Aberdeen
Pre-conference Workshop

Sand management - drilling to production
27th March 2018

Course co-ordinators: Graham Miller, Maersk Oil and Phil Wassouf, DuneFront

The workshop will provide drilling, completion, integrity and production engineers with an excellent overview of sand management, and enable them to understand the role of engineers out with their discipline. Asset managers who are new to sand-producing fields or who want a refresher on sand management technology and practices would also find this workshop very valuable. There will be some emphasis on issues with drilling fluid design for sand control completions.

The workshop includes a brief non-technical session posing a light-hearted challenge to some of the day-to-day assumptions we make, to encourage fresh thinking.

08:30-8.45 Registration and refreshments

- Introduction and context: Maersk Oil
- Engineering Gravel Packs for Reliability: DuneFront
- How do you know if your well needs sand control?: LR
- Wellbore fluids and screens: BP
- Kraken reservoir drilling fluid selection: MI SWACO
- Surface sand handling removal /cleaning strategies: NOV
- Sand Monitoring - Sand monitoring systems, techniques and applications: SMS
- Sand control selection procedure – Operator case study

17:00 End

Delegate booking: online at www.spe-aberdeen.org/events

<table>
<thead>
<tr>
<th>Conference 2 days 28th and 29th March</th>
<th>SPE and SMN members</th>
<th>Non-members</th>
<th>Students</th>
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<tbody>
<tr>
<td>Early Bird Discount Book online before 1st Feb</td>
<td>£350 plus VAT (£420)</td>
<td>£450 plus VAT (£540)</td>
<td>£60.00 plus VAT (£72)</td>
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<tr>
<td>Paid after 2nd Feb</td>
<td>£400 plus VAT (£480)</td>
<td>£500 plus VAT (£600.00)</td>
<td>£100.00 plus VAT (£120)</td>
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<tr>
<td>Exhibitors’ price</td>
<td>£250 plus VAT (£300)</td>
<td>£250 plus VAT (£300)</td>
<td>Not applicable</td>
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<tr>
<td>Pre-conference Workshop 27th March</td>
<td>£150 plus VAT (£180)</td>
<td>£150 plus VAT (£180)</td>
<td>£25.00 plus VAT (£30)</td>
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Further details for one day rates available on the website.

Group Discount - Book four or more places online and get a fifth FREE!

Prices include all delegate documentation, refreshments, lunches and networking reception.

We are unable to invoice for fewer than 5 delegate places. Payment is accepted by all major credit cards, cheque or BACs.

Exhibition space and sponsorship

Book your exhibition stand now or take a sponsorship package, prices held since 2012 and start as low as £500 plus VAT. Contact organisers below for more details.

Accommodation

Special rate on accommodation for delegates is available at either the Holiday Inn or Holiday Inn Express Aberdeen Exhibition & Conference Centre, located next to the conference venue.

HI Express £80.00 bed and breakfast (continental breakfast)
HI Aberdeen £90.00 bed and breakfast

Free wifi and car parking at both hotels.
Please quote ‘SPE’ and say you are attending the conference.

Contact: Donna Sneddon
Telephone: 01224 227255
Email: donna.sneddon@hieaberdeenexhibitioncentre.co.uk

Event organisers:

Dunbar Events & Marketing Ltd
Tel: 01224 900035
Email: katrina.dunbar@dunbar-eandm.co.uk

Delegates can book online at www.spe-abb.org/events