

THE DIGITAL OIL PLATFORM: REDUCE OPERATIONAL COSTS BY OPTIMISING DIGITAL DEVELOPMENTS

Institution of
**MECHANICAL
ENGINEERS**

Upstream Oil and Gas Committee,
Process Industries Division
Seminar

17 October 2018
Petrofac Bridge View Office, Aberdeen

KEY SPEAKERS INCLUDE:

Live Fornes, HSE Project Manager
Eni Norge

Christopher Bridge, Interpretation Domain
Champion
OneSubsea

Martin J. Marple, Digital Innovation Lead
DNV GL

Steve Johnson, Vice President Digital, EPS West
Petrofac



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SUPPORTING ORGANISATIONS:



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THE DIGITAL OIL PLATFORM: REDUCE OPERATIONAL COSTS BY OPTIMISING DIGITAL DEVELOPMENTS

17 October 2018, Petrofac Bridge View Office, Aberdeen

WITH STABILITY ON THE HORIZON, OPERATORS ARE STARTING TO LOOK AT DEVELOPMENTS IN DIGITAL TECHNOLOGY FOR THE OIL AND GAS SECTOR TO REDUCE COSTS AND INCREASE PRODUCTION.

Attend this seminar to improve the integrity and performance of existing assets by learning about the latest digital tools. Gain insight into the application of technologies and data analysis techniques in order to develop best practice strategies for your organisation. Learn more about the latest condition monitoring technologies including robotics to anticipate and avoid potential production problems and reduce costs.

Meet and engage with operations managers, plant, asset and production engineers from oil and gas companies and solution providers.

ATTEND THIS SEMINAR TO:

- Hear from pioneers in the field including **Eni Norge, Petrofac, ABB, OneSubsea** and **DNV GL**
- Learn best practice from end users of digital tools to increase the safety of your operations
- Explore the latest developments in active condition monitoring to reduce operational costs and improve safety in your organisation
- Learn about how to best use and interpret data collected in order to increase production
- Discuss the future of Digital Oil Platforms with operations managers, plant, asset and production engineers from oil and gas companies and solution providers

KEY PROGRAMME HIGHLIGHTS:

- **Eni Norge** share lessons learnt on the latest barrier monitoring technology for offshore production platforms
- **OneSubsea** introduce their monitoring methods and discuss its application for subsea oil and gas
- **ABB** highlight key areas to unlock production efficiency improvements
- **Petrofac** discuss their application of predictive analytics to compression in order to support uptime improvements
- **DNV GL** share case studies on improving major hazard awareness and real-time asset integrity management

ORGANISING COMMITTEE:

Upstream Oil and Gas Committee, Process Industries Division
Institution of Mechanical Engineers

MEMBERS CREDITS:

Simon Rees, Projects Director
Norton Straw Consultants

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TERMS AND CONDITIONS APPLY

PROGRAMME

WEDNESDAY, 17 OCTOBER 2018	
08:30	REGISTRATION AND REFRESHMENTS
09:00	CHAIR'S OPENING REMARKS Simon Rees, Projects Director, Norton Straw Consultants
09:10 Keynote	MONITORING AND ITS APPLICATION IN SUBSEA OIL AND GAS Christopher Bridge, Interpretation Domain Champion, OneSubsea
	MAKING THE MOST OF NEW DIGITAL CONDITION AND PROCESS MONITORING METHODS
09:40	THE DIGITAL OILFIELD: OPPORTUNITIES TO UNLOCK PRODUCTION EFFICIENCY IMPROVEMENTS Will Leonard, UK Digital Solutions Lead Oil Gas & Chemicals and Marketing Manager, ABB
10:10	LIQUID, HYDRATES AND FOAM DETECTION IMPROVES OPERATIONAL EXCELLENCE IN GAS TREATMENT Paul Stockwell, Managing Director, Process Vision Ltd
10:40	QUESTION AND ANSWER SESSION
10:55	NETWORKING REFRESHMENT BREAK
11:25	ONLINE BARRIER STATUS MONITORING FOR SAFE OPERATION Live Fornes, HSE Project Manager, Eni Norge Nathaniel John Edwin, Senior Engineer, Safetec Nordic AS
	LATEST DIGITAL REPRESENTATION TECHNIQUES
11:55	THE DIGITAL TWIN: A PATH TO PROJECT AND OPERATIONAL EXCELLENCE Ronnie Bains, Director, Process Simulation Europe, Emerson
12:25	DIGITAL TECHNOLOGY AND ANALYTICS FOR BUSINESS STRATEGY OPTIMISATION: FASTER, BETTER AND CHEAPER DECISIONS Andy Moore, Consultant, Frazer-Nash Consultancy
12:55	QUESTION AND ANSWER SESSION
13:10	NETWORKING LUNCH
	APPLICATIONS OF DIGITAL TECHNOLOGIES FOR OIL AND GAS
14:10	SHAPING AND PUTTING INTO PRACTICE A DIGITAL STRATEGY: AN OIL AND GAS SERVICE COMPANY PERSPECTIVE Steve Johnson, Vice President Digital, EPS West, Petrofac
14:40	EMBRACING DIGITAL TECHNOLOGIES TO UNLEASH VALUE IN OIL AND GAS Mario Alonso, Digital Solutions Product Leader - Subsea Production Systems and Services, Baker Hughes, a GE Company
15:10	QUESTION AND ANSWER SESSION
15:20	NETWORKING REFRESHMENT BREAK
15:50	IMPROVING OPERATIONS THROUGH THE APPLICATION OF DIGITAL TECHNOLOGIES Martin J. Maple, Digital Innovation Lead, DNV GL
16:20 Panel Discussion	THE DIGITAL OIL PLATFORM OF THE FUTURE Christopher Bridge, Interpretation Domain Champion, OneSubsea Steve Johnson, Vice President Digital, EPS West, Petrofac Mahmood Shafiee, Lecturer in Engineering Risk Analysis, Offshore Energy Engineering Centre, Cranfield University <ul style="list-style-type: none"> • What will the platform look like in ten years and what are the barriers to reaching this? • What are the implications for safety? • How can we use the data collected through monitoring in a smart way to actually improve reliability and increase production?
16:50	CHAIR'S CLOSING REMARKS
17:00	END OF SEMINAR

For the most up-to-date and detailed programme for the event, please visit www.imeche.org/thedigitaloilplatform

- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

HOW TO BOOK YOUR PLACE

FEES AND CHARGES

Registration fees include entry to the sessions, refreshments and a copy of the conference proceedings.

Seminar	Standard Rate
Member, Institution of Mechanical Engineers / Supporting Organisation	£250 + VAT = £300
Non-member	£340 + VAT = £408
Full-time Student/Retired	£120 + VAT = £144

Group booking discounts are available. Contact us for more information.

THREE WAYS TO BOOK

1 Online:
[www.imeche.org/
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2 Email:
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3 Phone:
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Please read the information listed below as each booking is subject to the Institution's standard terms and conditions.

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Completed application forms should be returned to the address above, along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day, to ensure the fastest possible entry.

SPECIAL REQUIREMENTS

Please inform us of any special requirements, ie dietary or access, on the relevant section of this form.

CANCELLATION

For a refund (minus £25+VAT admin charge), cancellations must be received at least 30 days prior to the event. Replacement delegates are welcome at any time. The Institution reserves the right to cancel any event. In this case, the full fee will be refunded unless a mutually convenient transfer can be arranged. In the event that the Institution postpones an event for any reason and the delegate is unable or unwilling to attend

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Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. The Institution reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on the event's webpage as soon as possible.

LIABILITY

The organisers do not accept liability for any injuries or losses of any nature incurred by delegates and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings.

CONFERENCE VENUE

Petrofac Bridge View Office
Bridge View
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OTHER EVENTS TO LOOK FOR



ROBOTICS FOR HAZARDOUS ENVIRONMENTS

20 November 2018, Coventry

Ensuring that robots are reliable, safe and performing as required is a major challenge, especially for the harshest environments. At the same time, continuous technological improvements make robots ever more capable, resilient, robust and cost-effective.

www.imeche.org/robotics



ROBOTICS AND AUTOMATION IN MANUFACTURING

20 November 2018, Coventry

This seminar will help you to make the most of developments in robotics to improve your production lines. Hear lessons learnt in robotic adoption from pioneering organisations in the aerospace, food and drink and fast-moving consumer goods sectors.

www.imeche.org/roboticsautomation

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