AGEING OFFSHORE INSTALLATIONS AND KP4.

Process Industries Division Seminar

19 March 2013
Aberdeen
www.imeche.org/events/S1700

KEYNOTE SPEAKER
ANDREW DUNCAN
AGEING AND LIFE EXTENSION PROGRAMME, HSE
**WHY YOU SHOULD BE THERE**

Offshore asset integrity and safety are key issues. Get an update on how managing Ageing Offshore installations has progressed since the introduction of KP4 and how the challenges presented are being met.

If you work in the offshore industry, don’t miss this opportunity to acquire in-depth guidance on compliance and technical issues of life extension and risk. Hear leading operating companies describe their experience of KP4 and the challenges for the ongoing operation of their assets.

Featuring keynote on the KP4 interim findings from Andrew Duncan, Manager, Ageing & Life Extension Programme, Health and Safety Executive.

Understand the implications of future EU regulations for the offshore industry.

Hear directly from key industry experts on their conclusions and priorities and how trends are developing around the world.

**WHEN** 19 March 2013

**WHERE** AECC (Aberdeen exhibition and conference centre)
Bridge of Don, Aberdeen, AB23 8BL

**BOOK ONLINE** www.imeche.org/events/S1700

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**SUPPORTING ORGANISATIONS**

- **ICE** (Institution of Civil Engineers)
- **Energy Institute**
- **Hazards Forum**
- **IChemE** (Institution of Chemical Engineers)
- **Oil & Gas UK**
- **FESI** (European Federation of Specialist Engineering Institutions)

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- Showcase new products
- Raise awareness of your operation
- Improve perception of your brand
- Influence other organisations’ spending plans
PROGRAMME

9:30 REGISTRATION

10:00 CHAIRMAN’S WELCOME
  James Bridge, Major Accounts Manager, Caterpillar Global Petroleum, Caterpillar SARL

10:10 KEYNOTE PRESENTATION
  KP4: HSE’S OFFSHORE AGEING AND LIFE EXTENSION PROGRAMME – INTERIM FINDINGS
  Andrew Duncan, Manager, Ageing & Life Extension Programme, Health & Safety Executive
  • Review the interim findings for the KP4 programme’s first two years
  • Offshore industry response to KP4
  • The future of the management of ageing and life extension

10:55 KP4: AN OPERATOR’S EXPERIENCE
  Richard Bailey, Technical Safety Engineer, Nexen
  • Preparation for KP4
  • Liaising with the HSE throughout the programme
  • Moving from KP4 to ALE management

11:20 REFRESHMENTS

11:50 KP4: AGEING PLANT VS ROUTINE INTEGRITY MANAGEMENT
  Russell Breen, Mechanical Engineering, Materials and Corrosion, Health & Safety Executive
  • Examine the threats and opportunities moving towards a final text
  • The process for transposing these requirements into UK law

12:15 EU OFFSHORE SAFETY REGULATION: THREATS AND OPPORTUNITIES
  Robert Paterson, HSSE Director, Oil & Gas UK
  • Update on the legislative package of the EU’s proposed new regulatory framework for safety and environment for offshore oil and gas activities
  • Examine the threats and opportunities moving towards a final text

13:00 PRIZE PRESENTATION
  Winner of the ‘Offshore Renewable Energy Engineering: best individual project competition’

13:10 LUNCH BREAK

14:10 NORWEGIAN INITIATIVE ON AGEING AND LIFE EXTENSION
  Gerhard Ersdal, Research and Development Manager, Principle Engineer Marine Technology: Petroleum Safety Authority Norway, Professor at University of Stavanger
  • Research and development in ageing and life extension from 2000 - 2010
  • Norwegian regulation on ageing and life extension

14:35 MANAGING AGEING AND LIFE EXTENSION – AN OPERATOR’S PERSPECTIVE
  David Ritchie, Principal Mechanical Integrity Engineer, ConocoPhillips
  Understand how Ageing and Life Extension considerations have been integrated into:
  • Operations, maintenance and integrity philosophies and
  • Operating Management System to ensure safe operations

SPEAKERS AND CONTRIBUTORS

ANDREW DUNCAN
MANAGER, AGEING & LIFE EXTENSION PROGRAMME, HEALTH AND SAFETY EXECUTIVE
Andrew is a Chartered Engineer with 30 years’ experience of the oil and gas production, oil refining, and petrochemicals industries.

MIKE BILIO
TEAM LEADER, QUANTIFIED RISK ASSESSMENT, FIRE AND EXPLOSION SPECIALISTS, OFFSHORE SAFETY DIVISION, HEALTH AND SAFETY EXECUTIVE
Mike joined HSE in 1991 after almost 20 years in industry. He is a Chartered Chemist and Chartered Scientist.

RUSSELL BREEN
TEAM LEADER, MECHANICAL ENGINEERING, MATERIALS AND CORROSION, OFFSHORE SAFETY DIVISION, HEALTH AND SAFETY EXECUTIVE
Russell has worked as a mechanical engineer across HSE for over 20 years. His role for the MEMC team focuses primarily on plant integrity and hydrocarbon containment.
SPEAKERS
AND CONTRIBUTORS

ROBERT PATERSO
HHSE DIRECTOR, OIL & GAS UK
Robert manages and coordinates the development of cooperative solutions to a wide range of health and safety issues on behalf of the upstream oil and gas industry.

RICHARD BAILEY
TECHNICAL SAFETY ENGINEER, NEXEN
Richard has worked for Nexen for the last five years, and acted as the Nexen focal point throughout the KP4 programme.

DAVID RITCHIE
PRINCIPAL MECHANICAL INTEGRITY ENGINEER, CONOCOPHILLIPS
Dave has worked in the oil and gas industry for 40 years. He has held various technical, supervisory and management positions at ConocoPhillips, including UK Asset & Operating Integrity Manager.

KP4’S IMPACT ON RISK MANAGEMENT FOR OFFSHORE INSTALLATION MAJOR ACCIDENT HAZARD DETECTION, MITIGATION AND PROTECTION SYSTEMS
Mike Bilio, Team Leader, Fire & Explosion and Quantified Risk Assessment Discipline Specialists, Offshore Division, Hazardous Installations Division, Health & Safety Executive
Improvements have been addressed during KP4 to:
• Fire and gas detection systems
• Active vs passive fire protection
• Temporary refuge integrity

15:00  KP4 – AN OPERATORS EXPERIENCE
Jim Saunderson, Mechanical Technical Authority, Apache Corporation

15:25  REFRESHMENTS

15:55  KP4’S IMPACT ON RISK MANAGEMENT FOR OFFSHORE INSTALLATION MAJOR ACCIDENT HAZARD DETECTION, MITIGATION AND PROTECTION SYSTEMS
Mike Bilio, Team Leader, Fire & Explosion and Quantified Risk Assessment Discipline Specialists, Offshore Division, Hazardous Installations Division, Health & Safety Executive
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• Temporary refuge integrity

16:20  QUESTIONS

16:40  CHAIRMAN’S CLOSING REMARKS

17:00  CLOSE OF SEMINAR

Find out more about our speakers at www.imeche.org/events/S1700
• This programme is subject to change.
• The Institution is not responsible for the views or opinions expressed by individual speakers.

Process Industries Division, Offshore Engineering Committee:
James Bridge, Major Accounts Manager, Caterpillar Global Petroleum, Caterpillar SARL
Brian Hudson, Principal Consultant, ABB Consulting
Andy Hollins, Principal Consultant, ABB Consulting

The committee would like to thank the following supporters:
Safety and Reliability Group
Pressure Systems Group
Fluid Machinery Group
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## Other Events to Look for:

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<th>Event</th>
<th>Date</th>
<th>Location</th>
<th>Description</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Offshore Weight Control: From Concept to Completion and Beyond.</td>
<td>23 April</td>
<td>London</td>
<td>This seminar will discuss how and why weight increases through the design of an offshore structure, and the key benefits of incorporating robust weight control procedures into the design process.</td>
<td><a href="http://www.imeche.org/events/S1701">www.imeche.org/events/S1701</a></td>
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<tr>
<td>Process Safety: A Global Challenge.</td>
<td>19 June</td>
<td>London</td>
<td>A comprehensive overview of the global pressures on process safety, with presentations from regulators and key players from a range of industry sectors.</td>
<td><a href="http://www.imeche.org/events/S1746">www.imeche.org/events/S1746</a></td>
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<tr>
<td>Mechanical Integrity of Process Plant: New Guidance on Inspection and Testing.</td>
<td>20 June</td>
<td>London</td>
<td>Inspection of process plant containing hazardous material will be covered by new guidance from EEMUA and SAFed, and endorsed by HSE. The guidance will become a key part of integrity management for process plant operators and managers from 2013.</td>
<td><a href="http://www.imeche.org/events/S1737">www.imeche.org/events/S1737</a></td>
</tr>
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If you are interested in any of these events, please contact Taz Khatun on +44 (0)20 7973 1306 or t_khaun@imeche.org.

To receive regular updates about events in your industry, update your contact details online at [www.imeche.org/my-account](http://www.imeche.org/my-account).

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[www.imeche.org/events](http://www.imeche.org/events)

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### Get Involved

Whether you’re new to the profession or well established, volunteering is a great way to gain new skills, knowledge and experience. As an Ambassador you have the chance to represent your profession and give something back to the engineering community as well as inspiring the next generation.

See [www.imeche.org/volunteering](http://www.imeche.org/volunteering) for more information or go to [nearyou.imeche.org](http://nearyou.imeche.org) to find engineering events hosted by volunteers in your area.

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One Birdcage Walk
Westminster
London
SW1H 9JJ

T +44 (0)20 7222 7899

[www.imeche.org](http://www.imeche.org)
BOOKING FORM

PROCESS INDUSTRIES DIVISION
AGEING OFFSHORE INSTALLATIONS & RP4.
19 MARCH 2013
S1700

REGISTRATION
Please complete in capitals.

Family Name
First Name
Membership No
Name of Organisation (for name badge)
Address for correspondence

Town/City
Postcode
Contact Telephone
Email

Do you have any special requirements?

How did you hear about this event? □ Direct mail □ Website □ Colleague □ Other

The Institution organises a wide programme of events each year. If you would like to receive information about our events, please tick this box □

FEES AND CHARGES
Please complete the appropriate box.

REGISTRATION
Registration fees include entry to the sessions, refreshments, lunch, and a copy of the event proceedings.

DELEGATE FEES

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<th>Fee Description</th>
<th>Fee</th>
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<td>£280.00</td>
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EXTRA ITEMS

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PAYMENT DETAILS

Please indicate method of payment: □ Cheque □ Credit Card □ BACS □ Invoice (see below)

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Card No
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Please complete and return this form to:
EVENT REGISTRATIONS
Institution of Mechanical Engineers
1 Birdcage Walk, London SW1H 9JJ
Fax +44 (0)20 7222 9881

For registration enquiries call Tina Churcher on +44 (0)20 7973 1258 or email t_churcher@imeche.org

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.

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SUPPORTING ORGANISATIONS

Members of supporting organisations can register at members’ rates. See page 2.

VENUE

This event will be held at AECC (Aberdeen exhibition & conference centre) Bridge of Don, Aberdeen, AB23 8BL.

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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.

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Quote ID Number: 8488ACI
http://www.corporateteam.com/events/8488ACI

ENQUIRIES

For event enquiries, please contact
Taz Khattan
on +44 (0)20 7973 1306
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