PIPING AND PIPELINE RISK-BASED INSPECTION
2013: OPTIMISING MAINTENANCE AND REPAIR.

Pressure Systems Group
Seminar

4 December 2013
Aberdeen

www.imeche.org/events/S1803
WHY YOU SHOULD BE THERE

Without effective risk-based inspection and maintenance of piping and pipeline, operators run the risk of compromising safety, reducing equipment longevity, and driving up costs.

Piping and pipeline risk-based inspection, maintenance and repair 2013 brings piping and pipeline engineers and experts together to discuss best practice, and features an array of detailed, learned and technical presentations of immediate value to you in your role.

Don’t miss out on this market-leading event when your fellow piping and pipeline engineers and professionals meet and hear exclusive presentations from leading experts from the likes of Shell, BP, TOTAL, Furmanite, TWI, and Walker Technical Resources.

Our range of high-level technical topics makes the event a must-see, and include: risk inspection and assessment, composite repairs and wraps, vibration fatigue, piping repair clamps, and isolations.

BENEFITS OF ATTENDANCE:

• Gain greater understanding of successful isolations for maintenance and repair
• Learn how to get the most out of engineered piping repair clamps
• Enhance your knowledge on integrity management of composite repairs and composite wraps
• Hear best practice in offshore-to-onshore risk-based inspection
• Find out more about risk-assessing piping with vibration-induced fatigue

WHEN
4 December 2013

WHERE
Copthorne Hotel Aberdeen, 122 Huntly St, Aberdeen AB10 1SU

BOOK ONLINE
www.imeche.org/events/S1803

SUPPORTING ORGANISATIONS

SPONSORSHIP & EXHIBITION OPPORTUNITIES

GET INVOLVED
Attending this event as either an exhibitor or sponsor will give you the opportunity to display your solutions, services and products to the right people at the right time.

This is an excellent way to enhance your company profile and communicate effectively to your target audience.

For sponsorship and exhibition enquiries, please contact Aman Duggal on +44 (0)20 7973 1309 or email sponsorship@imeche.org

BENEFITS OF SPONSORING

• Plant yourself firmly in the minds of key decision-makers
• Cross many markets and broaden your international appeal
• Be associated with industry-wide publicity
• Enjoy well-targeted networking opportunities
• Have your company logo and URL featured on our website
## PROGRAMME

**WELCOME**
**Wednesday 4/12**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00</td>
<td>REGISTRATION AND REFRESHMENTS</td>
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<tr>
<td>9:25</td>
<td>CHAIRMAN’S WELCOME AND INTRODUCTION</td>
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<tr>
<td>9:30</td>
<td>OPERATOR OVERVIEW OF PIPING RISK-BASED INSPECTION</td>
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<tr>
<td>10:00</td>
<td>CASE STUDIES OF VIBRATION INDUCED FATIGUE OF PROCESS PIPING: VIBRATION RISK-MANAGEMENT</td>
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<tr>
<td>10:30</td>
<td>DECIDING WHICH COMES FIRST: ENGINEERING ASSESSMENT OR INSPECTION</td>
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<tr>
<td>11:00</td>
<td>NETWORKING REFRESHMENT BREAK</td>
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<tr>
<td>11:30</td>
<td>SUCCESSFUL ISOLATIONS FOR MAINTENANCE AND REPAIR</td>
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<td>12:00</td>
<td>THE HIDDEN THREAT: CORROSION UNDER PIPE SUPPORTS</td>
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<tr>
<td>12:30</td>
<td>Q&amp;A AND PANEL DISCUSSION</td>
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<td>12:50</td>
<td>NETWORKING LUNCH</td>
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<tr>
<td>13:50</td>
<td>MANAGING THE INTEGRITY OF COMPOSITE REPAIRS</td>
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</tbody>
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## SPEAKERS AND CONTRIBUTORS

### DR MAHMOUD SHATLA
**UK ONSHORE ASSETS MECHANICAL-STATIC TECHNICAL AUTHORITY, SHELL**

Mahmoud has been with Shell in Aberdeen since 2008. Prior to this, he worked at ENPI (Engineering for the Petroleum and Process Industries) in Egypt.

### SHERVIN MALEKI
**MANAGER, ASSET INTEGRITY MANAGEMENT, TWI**

Shervin joined TWI in 2006 and leads integrity management projects for both fitness-for-service and risk-based inspection assessment for pressure systems, across oil, gas and petrochemical as well as power plants.

### ROB SWINDELL
**GLOBAL DIRECTOR VIBRATION ENGINEERING, XODUS GROUP**

For 30 years, Rob has been involved with a wide variety of structural integrity projects in the marine and oil and gas industries, both on and offshore.

### JIM McGHEE
**PRINCIPAL CONSULTANT, XODUS GROUP**

Jim provides support and expertise in piping vibration and structural interaction and co-leads a team of over 30 specialists. Jim has been heavily involved in solving noise and vibration problems on offshore and onshore petro-chemical installations.

### STEPHEN GOWER
**FIGEM MICE PIPELINE INTEGRITY ADVISOR, BP EXPLORATION**

Stephen has worked in the oil and gas industry for 25 years, with 25 years at BP and roles at British Gas.

### LAZA KRSTIN
**PRINCIPAL CONSULTANT AND PIPING FUNCTION HEAD, ABB CONSULTING**

Laza was Chairman of the Piping Systems Committee of the Engineering Equipment and Materials Users Association for ten years. For the last 15 years, he has led multi-discipline integrity management projects, helping operating companies around the world develop asset integrity strategy.
**SPEAKERS AND CONTRIBUTORS**

**SIMON FROST**  
TECHNICAL DIRECTOR, WALKER TECHNICAL RESOURCES
Simon has been involved in the application of composite materials within the oil and gas sector for many years. He is currently the chairman of two ISO standards related to composites, composite repairs for pipework and GRP piping.

**DR MARK BURTON**  
DIRECTOR OF ENGINEERING, FURMANITE
Mark joined Furmanite in 1992 and is currently responsible for engineering policy and standards globally. He provides technical leadership to Furmanite’s engineering teams around the world.

**RICHARD ELSDON**  
SENIOR ENGINEER, MACAW ENGINEERING
Richard is a graduate mechanical engineer and has developed RBI schemes for use in life extension assessments, including remaining life and IMR requirements. He has delivered critical topside RBIs for a number of North Sea assets.

**DR PATRICK STOKES**  
TECHNICAL SALES MANAGER, MACAW ENGINEERING
Pat has 24 years’ experience in the oil and gas/energy markets. He has specialist knowledge of corrosion, materials testing and asset/integrity management.

**KAREN ROBERTSON**  
MIMECHE MEI  
PIPING, PRESSURE VESSEL AND VALVES TECHNICAL AUTHORITY, TOTAL E&P UK
Karen has worked in the oil, gas and chemicals industries in the UK and internationally for 25 years. She has been a Technical Authority with Total since 2009 and sits on several industry committees.

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**PROGRAMME (CONTINUED)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>14:20</td>
<td>BEST PRACTICE FOR USING ENGINEERED REPAIR CLAMPS</td>
<td>Dr Mark Burton, Director of Engineering, Furmanite</td>
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<tr>
<td></td>
<td>• Assessing applicability</td>
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<td></td>
<td>• Repair clamps: a temporary or permanent solution?</td>
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<td>• Understanding the basis of design and loading assumptions</td>
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<td>• Sealing arrangements</td>
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<td>• Relating the nature of the piping defect to use of a structural</td>
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<td></td>
<td>or non-structural clamp</td>
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<td>14:50</td>
<td>NETWORKING REFRESHMENT BREAK</td>
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<tr>
<td>15:10</td>
<td>CASE STUDIES OF OFFSHORE TO ONSHORE RISK-BASED INSPECTION</td>
<td>Richard Elsdon, Senior Engineer and Dr Patrick Stokes, Technical Sales Manager, MACAW Engineering</td>
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<td></td>
<td>• Ensuring effective inspection and inspection frequency to extend</td>
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<td>asset life</td>
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<td>• The importance of the quality of reporting</td>
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<td>• Ways to insure effective assessment of data</td>
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<td>• How to ensure you get effective feedback and peer review</td>
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<td>15:50</td>
<td>REPAIR METHODS: AN OPERATOR'S PERSPECTIVE</td>
<td>Karen Robertson, Piping, Vessels and Valve Technical Authority, Total E&amp;P UK</td>
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<td>• Ageing assets for operators: the challenges</td>
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<td>• Repairs: permanent or defined life?</td>
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<td>• Repair types available for piping, and operator considerations</td>
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<td>• An operator’s expectations of performance</td>
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<td>• Maintaining vigilance to ensure safety and longevity</td>
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<td>16:20</td>
<td>Q&amp;A AND PANEL DISCUSSION</td>
<td>Featuring speakers from Walker Technical Resources, Furmanite, MACAW and Total</td>
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<td></td>
<td>If you have questions in advance, please email them to</td>
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<tr>
<td></td>
<td><a href="mailto:j_williams@imeche.org">j_williams@imeche.org</a></td>
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<tr>
<td>16:40</td>
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Find out more about our speakers at [www.imeche.org/events/S1803](http://www.imeche.org/events/S1803)

• This programme is subject to change.
• The Institution is not responsible for the views or opinions expressed by individual speakers.
We are the market leader among professional engineering bodies. We’ve been supporting engineers since 1847 and have 100,000 members in over 120 countries, working in the world’s most dynamic and important industries. Our comprehensive events programme brings you the latest research and best practice from industry and academia.

OTHER EVENTS TO LOOK FOR:

26 September 2013, London

NUCLEAR ENERGY FOR THE 21ST CENTURY.
Hear Professor Andrew Sherry from the Dalton Nuclear Institute discuss nuclear energy within a low carbon world, manufacturing and operational challenges for existing reactor designs as well as research challenges for future reactor systems.

www.imeche.org/events/L339

If you are interested in any of these events, please contact manufacturing@imeche.org

26 September 2013, London

10 October 2013, London

CORROSION MANAGEMENT: SHARING GOOD PRACTICE AND EVALUATING NEW RESEARCH.
With corrosion control representing a major business spend, corrosion and stress corrosion cracking remain significant issues for industry. Learn how to save money and resources through good practice with this seminar.

www.imeche.org/events/S1781

26 September 2013, London

17 October 2013, London

FROM DESIGN TO MAINTENANCE: PRACTICAL GUIDANCE FOR BOLTED FLANGED JOINTS.
Examine the problems associated with the use of bolted flanged joints in pressure systems, with expert speakers giving practical guidance on design, installation, operation, inspection and maintenance.

www.imeche.org/events/S1808

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 for more information or go to http://nearyou.imeche.org to find engineering events hosted by volunteers in your area.

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Whether you’re a student, apprentice, graduate, qualified engineer or just have an interest in engineering, Institution membership offers the highest professional prestige. Professional registration is a valuable investment for any engineer who is serious about their career.

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BOOKING FORM

PRESSURE SYSTEMS GROUP
PIPING AND PIPELINE RISK-BASED INSPECTION 2013: OPTIMISING MAINTENANCE AND REPAIR.
4 DECEMBER 2013
S1803

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Family Name: ___________________________ Title (Mr, Mrs, Miss): ___________________________
First Name: ___________________________ Job Title: ___________________________
Membership No: ________________________ Institution: ___________________________
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

FEES AND CHARGES Please complete the appropriate box.

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

DELEGATE FEES

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<th>VAT</th>
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<td>Institution of Mechanical Engineers Member</td>
<td>£250.00</td>
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<td>Member of supporting organisation</td>
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<td>Non-Member</td>
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EXTRA ITEMS

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Total

PAYMENT DETAILS

Payment must accompany this registration form. Registration will be confirmed only on receipt of full payment.

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

Cheques should be made payable to IMechE and crossed. Please note international delegates may pay only by credit card, BACS or banker’s draft. A copy of the draft must accompany this form. It is the delegate’s responsibility to pay any bank charges.

Credit Card: ☐ Visa ☐ MasterCard (please note we cannot accept American Express, Diners Club or Maestro)

Card No: ___________________________
Valid From: / Expiry Date: /

Name of Cardholder: ___________________________
Billing Address of Cardholder (if different from above): ___________________________
Postcode: ___________________________

Amount to be Deducted: ________ Signature: ___________________________

INVOICE DETAILS (UK DELEGATES ONLY)

Delegates wishing to be invoiced must provide an order number. If your company does not use order numbers please include a formal request for invoicing on your company’s letterhead. A charge of £15 + VAT will be made to cover additional administration costs. Invoices are payable on receipt and no alterations to these terms will be accepted.

Order No: ___________________________
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Name and Address for Invoicing: ___________________________
Postcode: ___________________________
Tel: ___________________________
Fax: ___________________________

BACS bank transfers can be made to: IMechE Current Account, NatWest Charing Cross Branch.
Sort code: 60-40-05 Acc No: 00817767
Swift Code: NWBKGBZL
IBAN Code: GB96NWBK60400500817767

For added convenience you can also book online at: www.imeche.org/events/S1803

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.

CONDITIONS OF BOOKING

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 14 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 on the rescheduled date, they will receive a full refund of the fee paid.

The Institution is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. The Institution shall assume no liability whatsoever if this event is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.

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. As such, 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.

SUPPORTING ORGANISATIONS


VENUE

This event will be held at Copthorne Hotel Aberdeen, 122 Huntly St, Aberdeen AB10 1SU.

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.

ACCOMMODATION

Quote ID number 8488PPR
www.corporateteam.com/events/8488PPR

ENQUIRIES

For event enquiries, please contact Jason Williams on +44 (0)20 7973 1273 or email j.williams@imeche.org

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