WHY YOU SHOULD BE THERE

With an increasingly ageing workforce, how can industry retain competence in fundamental aspects of safety and reliability?

It is the issue which challenges the successful development of any project, and getting safety engineers to work efficiently within projects rather than in isolation is a big part of it. Failure to learn the lessons of history in these areas can be both catastrophic and costly.

By understanding the issues and opportunities in establishing competence in a competent organisation, you can ensure that safety critical activities at all stages are recognised and supported by suitably trained, knowledgeable and informed engineers.

Attend this seminar and learn the generic competence requirements and frameworks for building competence in safety and reliability.

WHEN 5 February 2013
WHERE One Birdcage Walk, Westminster, London, SW1H 9JJ
BOOK ONLINE www.imeche.org/events/S1708

SUPPORTING ORGANISATIONS

BENEFITS OF ATTENDANCE:

- Gain awareness of accreditation schemes for an open standard for competence
- Understand a regulator’s position of competence in safety within organisations
- Hear the economic and project issues of competence
- Identify competencies that mechanical engineers should work towards in safety and reliability
- Discover the frameworks that organisations need to adopt as guidance for their developing engineers in aspects of risk

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 sponsorship@imeche.org
### PROGRAMME

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>8:45</td>
<td>Registration</td>
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<tr>
<td>9:15</td>
<td>Welcome from the Chairman</td>
<td>Jeremy Lewis, ABB Engineering Services</td>
</tr>
<tr>
<td>9:20</td>
<td>Introduction/Vision</td>
<td>Brian Wimpenny, Independent Safety Consultant and Non-Executive Director, Abbott Risk Consulting Ltd</td>
</tr>
<tr>
<td>9:45</td>
<td>The Engineering Council Guidelines for Risk</td>
<td>Richard Vote, Technical Director, John Brown Consultants Limited</td>
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<tr>
<td>10:10</td>
<td>The UK Nuclear Industry – an Approach to Delivering Competence</td>
<td>Janine Baker, Nuclear Skills/Competence/Training Consultant, Atkins, secondee to the National Skills Academy Nuclear</td>
</tr>
<tr>
<td>10:35</td>
<td>Discussion Session</td>
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<tr>
<td>10:55</td>
<td>Refreshments</td>
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<tr>
<td>11:15</td>
<td>Integrating Risk Concepts into Undergraduate Engineering Courses</td>
<td>Nicola Stacey, Risk Communication and Management, Health and Safety Laboratory</td>
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<tr>
<td>11:40</td>
<td>Competence: The Requirements</td>
<td>Vaughan Cole, Consultant and former HSE HM Principal Specialist Inspector, Mechanical Engineering</td>
</tr>
<tr>
<td>12:05</td>
<td>Accrediting MSC and CPD Schemes and an Open Standard for Competence</td>
<td>Allan Bain, Team Leader of the Defence Maritime Regulator, Defence Safety and Environment Authority, Ministry of Defence</td>
</tr>
<tr>
<td>12:30</td>
<td>Discussion Session</td>
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### SPEAKERS AND CONTRIBUTORS

**VINCE JENKINS**  
GLOBAL MARINE RISK ADVISOR, Lloyd’s Register  
Vince spent 11 years in the nuclear industry gaining experience of nuclear submarine technology and its challenges. He subsequently spent over ten years at DNV, developing and delivering its capabilities in marine consultancy.

**GRAME HIND**  
SENIOR ENGINEERING MANAGER – SPECIALIST MAINTENANCE, Gatwick Airport  
After 11 years in food manufacturing, Grame joined Gatwick Airport’s engineering team with responsibility for the management of key assets. He has been heavily involved in the asset management programme, technical training and PAS 55 certification.

**NICOLA STACEY**  
RISK COMMUNICATION AND MANAGEMENT, HEALTH AND SAFETY LABORATORY  
The technical lead for risk communication and management incorporating risk education and good practice in the use of qualitative risk assessment, Nicola’s main field of interest and activity is encouraging and supporting the teaching of risk concepts, primarily at undergraduate level.

**VAUGHAN COLE**  
CONSULTANT AND FORMER HSE HM PRINCIPAL SPECIALIST INSPECTOR, MECHANICAL ENGINEERING  
Vaughan has assessed safety reports or safety cases in all three divisions for offshore, rail and COMAH activities. In addition, prior to joining HSE, he was employed by CEGB for ten years in the assessment of nuclear safety reports or cases.
**PROGRAMME (CONTINUED)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter/Details</th>
</tr>
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<tbody>
<tr>
<td>12:50</td>
<td>LUNCH BREAK</td>
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<tr>
<td>13:45</td>
<td>SESSION 3</td>
<td>ROLES AND RESPONSIBILITY: WHO CARRIES THE CAN – SAFETY ENGINEER OR LINE MANAGER?</td>
<td>Graham Dalzell, Senior Technical Advisor, Safetec</td>
</tr>
<tr>
<td>14:10</td>
<td>EFFECT ASSET MANAGEMENT - ORGANISATION COMPETENCE REVIEW UNDER PAS 55</td>
<td>Grame Hind, Senior Engineering Manager – Specialist Maintenance, Gatwick Airport</td>
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<tr>
<td></td>
<td></td>
<td>• Application of competency in asset management and PAS 55 certification</td>
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<td>• Development and review of technical competence to deliver asset management strategy</td>
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<td></td>
<td>• Delivering asset management framework and technical competency within key asset groups within Gatwick Airport</td>
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<td>14:35</td>
<td>DISCUSSION SESSION</td>
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<td>REFRESHMENTS</td>
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<td>15:15</td>
<td>SESSION 4</td>
<td>RISK BASED METHODOLOGIES USED IN DESIGN SUBMISSIONS TO CLASSIFICATION SOCIETIES – CHALLENGES FOR THE PROFESSIONAL DEVELOPMENT OF ENGINEERS</td>
<td>Vince Jenkins, Global Marine Risk Advisor, Lloyd’s Register</td>
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<tr>
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<td>• Overview the need and challenge that design submissions involving risk based methodologies presents to a classification society</td>
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<td>• The training programme and competency scheme that has been established in Lloyd’s Register</td>
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<td>• The challenge of educating many different national cultures in such a soft subject as risk assessment</td>
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<td>• Other lessons learned</td>
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<tr>
<td>15:40</td>
<td>A GENERIC SAFETY TRAINING MATRIX – WHAT SHOULD IT COVER?</td>
<td>Brian Wimpenny, Independent Safety Consultant and Non-Executive Director, Abbott Risk Consulting Ltd</td>
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<td>• Examine the need for a generic safety training matrix to give consistency and completeness of approach</td>
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<td>• Discuss views on the components of this generic matrix</td>
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<td>• Identify what the content of the matrix should be</td>
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<td>• Consider how it should be delivered and who needs the training</td>
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<tr>
<td>16:05</td>
<td>DISCUSSION SESSION</td>
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<td>16:25</td>
<td>CLOSING REMARKS</td>
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<td>16:40</td>
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</table>

Find out more about our speakers at www.imeche.org/events/S1708
- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

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**SPEAKERS AND CONTRIBUTORS**

**RICHARD VOTE**  
TECHNICAL DIRECTOR, JOHN BROWN CONSULTANTS LIMITED  
Richard is responsible for the technical and business verification in the imminent development of three large heavy oil refineries and other large projects. He has participated in many successful major oil and gas design and development projects and for performance improvement initiatives has instituted mature assets for major operators.

**BRIAN WIMPENNY**  
INDEPENDENT SAFETY CONSULTANT AND NON-EXECUTIVE DIRECTOR, ABBOTT RISK CONSULTING LTD  
Brian has over thirty-five years’ experience in the nuclear industry with Rolls-Royce. He has developed safety and reliability engineers, work which he has continued as a member (and past Chairman) of the Institution’s Safety and Reliability Group.

**ALLAN BAIN**  
TEAM LEADER OF THE DEFENCE MARITIME REGULATOR, DEFENCE SAFETY AND ENVIRONMENT AUTHORITY, MINISTRY OF DEFENCE  
Allan’s previous roles have included tours as the Constructor and Principal Safety Engineer for all in-service major warships which latterly included amphibious concept studies and the Queen Elizabeth Class Aircraft Carrier. He has had several tours in maritime and weapon safety policy secretariats, which preceded the DSEA. He has worked across the defence and civil sectors as a naval architect designing and in support of hydrographic research, patrol vessels, auxiliaries and specialist FSU/FPSO for offshore oil.

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www.imeche.org/events/S1700

If you are interested in any of these events, please contact Emma Fox on +(0)20 7973 1291 or e.fox@imeche.org

19-20 March 2013, London

NUCLEAR NEW BUILD CONFERENCE AND EXHIBITION 2013.

This popular conference and exhibition returns for 2013. NNB2013 is organised by the Nuclear Institute, Nuclear Industry Association and Institution of Mechanical Engineers.

www.nnb2013.com

24-26 April 2013, Keele

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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 nearyou.imeche.org to find engineering events hosted by volunteers in your area.

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

DELEGATE FEES

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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 that international delegates may only pay 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)

Delegate wishing to be invoiced must order an number. If your company does not use order numbers please include a formal request for invoicing on your company’s letterhead. A charge of £10 +VAT will be made to cover additional administrative costs. Invoices are payable on receipt and no alterations to these terms will be accepted.

Order No
Contact Name
Name and Address for Invoicing

Tel
Fax

BACS basic transfers can be made to: IMechE Current Account, NatWest Charing Cross Branch.
Sort code: 60-40-05 Acc No: 00817767
Swift Code: NWBKGB2L

A copy of the draft must accompany this form.
IBAN Code: GB96NWKB60400500817767

For added convenience you can also book online at: www.imeche.org/events/S1708

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

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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, famine, 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.

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

VENUE

This event will be held at One Birdcage Walk, Westminster, London, SW1H 9JJ.

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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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For event enquiries, please contact Emma Fox on +44 (0) 20 7973 1291 or email e_fox@imeche.org

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