

**HUMAN FACTORS IN THE NUCLEAR INDUSTRY
AN INTEGRATED APPROACH
Pre event workshop
15 SEPTEMBER, MANCHESTER**

(Subject to change and confirmation)

**Pre event workshop: Human Factors in the Nuclear Industry: an
integrated approach, 15 SEPTEMBER, 2014**

13.00	REGISTRATION AND REFRESHMENTS
13:40	CHAIR'S OPENING REMARKS John Mount, Chair of the Safety and Reliability Group, Institution of Mechanical Engineers
14:45	HUMAN FACTORS FOR THE CIVIL NUCLEAR NEW BUILD PROGRAMME <ul style="list-style-type: none"> - Understand the established Safety Assessment Principles applied by ONR specialist inspectors for safety cases at nuclear facilities - Explore best practice human factors integration while developing the arrangements for safety case production - Set the regulatory expectations for human factors with the nuclear industry as they prepare for implementation
14:10	LICENSEE CASE STUDY: HUMAN FACTORS FOR EXISTING AND DECOMMISSIONING SITES <ul style="list-style-type: none"> - How to include human factors in decommissioning projects to meet conventional and new requirements - Identify suitable processes to implement human factors strategies to ensure that new processes are followed and understood throughout the organisation - Learn from human factors experiences in sites that have delayed decommissioning
14:35	LICENSEE CASE STUDY: DESIGNING, BUILDING AND COMMISSIONING NEW CIVIL NUCLEAR POWER STATIONS FOR OPERATION IN THE UK <ul style="list-style-type: none"> - Understand the role of human factors in the design of the facility and the management of operating for safe and reliable nuclear new build - Explore the issues associated with design, build, commissioning, operating and maintenance of nuclear power stations - Identify key issues and potential risks from human-system interactions associated with civil nuclear new build
15.00	NETWORKING REFRESHMENT BREAK
15.30	SOLUTIONS FOCUSED ROUNDTABLE DISCUSSIONS <ul style="list-style-type: none"> - Presented with hypothetical situations involving human factors within the nuclear industry, you will have the opportunity to develop your own strategy for integration that meets regulatory and internal requirements - You will be able to participate in two 45 minute roundtable discussions throughout the afternoon <p>1) Carry out your own assessment- explore how to use internal and external resources for cost effective human factors integration</p>
Roundtable Discussion 1 15.30 – 16.15	
Roundtable	

<http://events.imeche.org/ViewEvent?code=W6130>

020 7973 1258

eventenquiries@imeche.org

**HUMAN FACTORS IN THE NUCLEAR INDUSTRY
AN INTEGRATED APPROACH
Pre event workshop
15 SEPTEMBER, MANCHESTER**

(Subject to change and confirmation)

Discussion 2 16.15 – 17.00	<p>2) Alarm management- optimising alarm system design for effective plant management and meet regulatory and internal requirements</p> <p>3) Transition management- understand direct and indirect effects of change and how potential hazards can be controlled and assessed</p> <p>4) Safety assessment- how to conduct safety assessments to meet regulatory requirements in nuclear new build</p> <p>Submit your roundtable preferences, indicating which two discussions you would like to take part in, in advance to eventenquiries@imeche.org</p>
17:00	<p>DISCUSSING THE STRATEGIES: FEEDBACK FROM THE ROUNDTABLES</p> <ul style="list-style-type: none"> - Presentation of strategies formed by each table facilitator - Ask questions of each facilitator to understand different perspectives on each discussion - Take away the skills and tools required to build a successful human factors strategy within your own organisation
17:20	<p style="text-align: center;">CHAIR'S CLOSING REMARKS John Mount, Chair of the Safety and Reliability Group, Institution of Mechanical Engineers</p>
17:30	CLOSE OF CONFERENCE

**<http://events.imeche.org/ViewEvent?code=W6130>
020 7973 1258
eventenquiries@imeche.org**