

# HSL: Taming Tigers: Safety Excellence in Engineering – in partnership with The University of Manchester – 13-14 Sept 2017,

## Book Course

HSL is to run a 2 day course on Taming Tigers: Safety Excellence in Engineering – in partnership with The University of Manchester.

**13 – 14 September 2017**

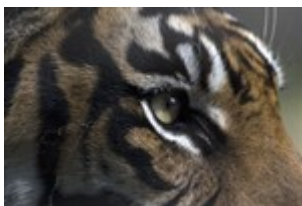
Why big cats and engineering?

If we think of traditional health and safety risks as lions (dangerous but we can see them and take action) then process safety hazards are tigers. Latent failures lurking in the jungle, not easily visible until they pounce with potentially catastrophic consequences. Learning to tame these tigers helps industry avoid catastrophe and improve performance.



## **Why Big Cats and Engineering?**

If we think of traditional health and safety risks as lions (dangerous but we can see them and take action) then major accidents are tigers. Latent failures lurking in the jungle, not visible until they pounce with catastrophic consequences. By taming tigers industry can avoid catastrophe and improve performance.



One of the biggest challenges facing the engineering leadership community in high-risk industries is delivering value to the business. Whilst traditional safety management courses tend to focus upon technical risk assessment methods and their application, this master class has been designed to take a holistic view across technical, operational and organisational dimensions.

## Learning Outcomes

- Understand the challenges and Technical Risk Management solutions for low probability, high impact consequences.
- Understand the value of mindful thinking in Technical Risk Management.
- Understand how to receive, identify and act upon precursors to major accidents.
- Understand the importance of organisational culture to Technical Risk Management.

## Delivery Method

In this master class we aim to outline concepts and principles based on engineering and project management good practice. In addition to the subject matter experts from HSE and The University of Manchester, there will be other high profile speakers: [Taf Powell](#) – Managing Partner, Corporate Integrity Partnership; and [David Warriner](#) – Head of Primary Components Operations Improvement Programme, Rolls-Royce. These interactive guest speaker sessions are a great opportunity for delegates to learn from invaluable project and operations experience. A short pre-work will aim to identify delegate challenges in HSSE. During the master class, subject matter experts and delegates will work together to consider sustainable solutions to the main challenges identified.

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## Overview Programme

### *Highlights of Day 1*

- Optional Guided Tour of HSL's Unique Forensic Engineering Facilities & Outdoor Large Scale Rigs
- '(Not) learning the lessons of 40 years of major accidents' – Taf Powell (CIP)
- Your Greatest Challenge – Dr Moray Kidd (UoM)
- Personal Mindfulness – Rosemary Whitbread (HSE)
- Technical Risk Management for Low Probability & High Consequence Events Part 1 – Matt Clay (HSE)
- Evening Meal followed by Keynote: 'Applied Technology Readiness' – David Warriner (Rolls-Royce)

## Highlights of Day 2

- Technical Risk Management for Low Probability & High Consequence Events Part 2 – Matt Clay (HSE)
- Anatomy of Culture – Prof Andrew Gale (UoM)
- Risk Communication – Rosemary Whitbread (HSE) & Dr Moray Kidd (UoM)

### Who should attend

Senior professionals in the science and engineering community who face the challenge of balancing technical risk management with other business priorities.

<b>Comments &amp; Feedback</b>	'Very topical. Good differentiation between occupational risk/safety versus technical risk/safety. Very useful and informative.' P Odendaal, Britannia Refined Metals Ltd "I found 'How to avoid Project Wreckages' and 'Mindful Leadership in Technical Safety' thought provoking and relevant to my organisation. I have been made aware of a number of new tools that I can read up on and digest and apply as I see appropriate. I liked the recommended reading suggestions." 'A Gibbs, Solvay
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### Venue

The Masterclass will be run at the Health & Safety Laboratory in the spa town of Buxton. Buxton is in the heart of the Peak District and has good links to mainline train stations and Manchester International Airport.

Details of hotels in the Buxton area can be found at [www.visitbuxton.co.uk](http://www.visitbuxton.co.uk)

### Cost

£1350 per person, includes an evening meal on first night.

This Master Class is run in partnership with The University of Manchester

### [Book Course](#)

For further information email: [training@hsl.gsi.gov.uk](mailto:training@hsl.gsi.gov.uk) or contact the Training & Conferences Unit at HSL directly on +44 (0)1298 218806.

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