



Institute of
Ergonomics &
Human Factors

4th International Conference

Human & organisational factors in the oil, gas & chemical industries

9-10 October 2012
Ardoe House, Aberdeen

www.ogc2012.org.uk

Gold sponsor



Programme

This fourth conference on 'Human & organisational factors in the oil, gas & chemical industries', organised by the Institute of Ergonomics & Human Factors, brings together many leading speakers to discuss the most important issues facing these industries today.

Featuring:

Cheryl MacKenzie

US Chemical Safety Board

Marcian Tessin

Maersk Oil

Dr Ron McLeod

Shell Health

Steve Beckett

Shell Global Solutions

Carole Egner

Ineos Chemicals Grangemouth Ltd

Topics include:

Lessons from Deepwater Horizon
Human Factors from Buncefield
Safety Culture
Chronic Unease
Safety Critical Tasks
Competence

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Tuesday 9th October

09.30 Registration and welcome refreshments

10.00 Opening address



Martin Anderson Conference Chair, Offshore Division, HSE

Martin is a psychology graduate with two Masters degrees in Ergonomics, and Process Safety & Loss Prevention. He is a Specialist Inspector at the HSE, where his role includes planned inspection, incident investigation, safety report/case assessment, provision of expert evidence, and formal enforcement.

10.15 Human factors from Buncefield



John Wilkinson The Keil Centre

John worked in the UK's Health & Safety Executive (HSE) as a regulator for 22 years, and as Human & Organisational Factors Team Leader and Principal Specialist Inspector (Human Factors) from 2003. John was subject matter expert reviewer on HF for the CSB's investigation report on the BP Texas City disaster. He was lead HF investigator for the HSE's investigation at Buncefield.

11.00 Safety culture discussion cards: A practical tool for safety conversations



Steve Shorrock Safety Development Project Leader, Eurocontrol

Steve is a human factors practitioner and safety psychologist with a background in research and practice in safety critical industries in Europe and Australia.

11.45 Exhibition and lunch

12.45 Safety at the cutting edge: Non-technical skills for surgeons and drillers



Professor Rhona Flin Director, Industrial Psychology Research Centre, University of Aberdeen

Rhona leads a team of psychologists conducting research on human performance in high risk industries and healthcare, looking at leadership, culture, team skills and decision making in acute medicine, aviation and energy industries. She is currently studying non-technical skills in medical teams and drilling crews, decision making by surgeons and senior managers' safety leadership.





13.30 Implementing Chronic Unease in Shell: psychology and practice



Dr Ron McLeod Global Discipline Lead, Human Factors, Shell Health & **Steve Beckett** Behavioural Safety Manager, Shell Global Solutions

As Global Discipline Lead for Human Factors Engineering in Shell, Ron McLeod leads the company's team of HFE specialists and provides leadership on HFE across Shell businesses. Responsibilities include technical ownership of Shell's HFE design standards, setting and assuring HFE Competence requirements, and acting as HFE Technical Authority on major capital projects.



14.30	Break	
15.00	Socio-technical systems and lessons from Deepwater Horizon	
	Rob Miles Team Leader - Human & Organisational Factors, Offshore Division, HSE	
		Rob will explore the complex interactions between people, equipment and organisations, illustrated by an intervention project led by NSOAF (North Sea Offshore Authorities Forum) to audit lessons from Deepwater Horizon.
15.45	Competence assurance	
	Peter Hill General Manager, Warwickshire Oil Storage Ltd	
		Peter is a geologist by background and has been recently updating the safety case, integrating human factors into the company's safety critical jobs and developing its Competency Management System.
16.30	Open forum: Q&A session	
17.15	Drinks reception	
	In the Exhibition area, sponsored by The Keil Centre	
19.30	Conference Dinner	
	In the Ogston Suite, Ardoe House, sponsored by ERM	

Wednesday 10th October

08.30	Welcome refreshments	
09.00	Human factors inspections in Belgian major hazard industries	
	Frank Verschueren , Belgian Federal Government Inspector	
		Frank is an Inspector of Process Safety for Major Hazards Industries. He joined the Belgian Federal Government after a career in industry where he held several operational management positions. One of his areas of expertise is human factors in process safety.
09.45	It's about people – developing leaders through competence	
	Vincent Rivera HSE Manager, Rowan Drilling UK	
10.30	Break	

11.00

Incident investigation in sociotechnical systems



Marcian Tessin Human & Organisational Factors Adviser, Maersk Oil

Marcian has an operational background as an Air Traffic Controller (ATCO) from Denmark and Switzerland. He has worked intensively as an Incident Investigator and led the safety reporting and investigation division of Skyguide. He studied Human Factors and System Safety with Prof Sidney Dekker at Lund University. His main areas of interest are in human factors approaches to incident investigation, organisational culture including aspects of Safety Culture and Just Culture and exploring how different accident models can support organisational learning.

11.45

Lessons from Deepwater Horizon: the use of indicators for major accident prevention



Cheryl MacKenzie Lead Investigator, US Chemical Safety Board

Cheryl MacKenzie has been an Investigator for the United States Chemical Safety and Hazard Investigation Board since September 2004. Cheryl has been involved in numerous CSB incident investigations and safety studies, including the 2005 BP Texas City refinery explosion. She is currently Team Lead for the Deepwater Horizon incident investigation being conducted by the CSB.

12.45

Lunch

13.45

Applying human reliability assessment to safety critical tasks



Carole Egner Human Factors Specialist, Ineos Chemicals Grangemouth Ltd

Carole Egner has 20 years' experience working in the refining and petrochemical industry in various capacities, specialising in human factors for the last years.

14.30

Using composite barriers for incident analysis and performance measurement

Peter Fearnley Offshore Division, HSE

15.15

Open forum: Q&A session

16.15

Closing remarks

Martin Anderson Offshore Division, HSE

Thank you for attending and we hope you enjoy this conference. We have endeavoured to create an interesting, thought-provoking and useful event for you. We very much welcome your feedback for future conferences so please complete the survey that will be emailed to you afterwards. We are grateful too, to our sponsors for supporting us.



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