

COME 2014 WORKSHOP CARE OF OFFSHORE MARINE ENVIRONMENT

PREFACE

The impacts of commercial operations on the environment are receiving considerable attention. Indeed, the projects are required now to do risk assessments on their operations including the effects of environmental impact. In offshore and marine activities, prescriptive regulations have to be met. However, the COME concept is a pro-active way of developing a caring attitude for the offshore and marine environment. It can be applied to all phases of the product's life-cycle, i.e. design, construction, operation, maintenance and decommissioning. The findings of each phase would be recorded and passed on to the next phase to provide an integrated output.

The aims of the COME 2014 workshop are:

- a) To make a start in generating a caring culture for the offshore and marine environment.
- b) To consider the role of education and continuing professional development in contributing to the long term care of offshore and marine environment at all phases of a ship's and an offshore installation's life-cycle.

The workshop is made up of five technical sessions spread over two half days. After welcome messages from Chengji Kuo on the behalf of the department, Deputy Principal Val Belton gave her welcome for the University of Strathclyde. Peter Noble, the President of SNAME, spoke to the participants via a Skype link up from Houston, Texas.

The principal item of the introduction is the keynote address by Dr Kirsi Tikka, President of ABS Europe. The topic is entitled ; Responding to environmental challenge: the role of education and research.

Session 1 had three presentations followed by discussions. The issues addressed were present approach to environmental care in the marine industry, present approach to environmental care in the offshore industry

and international regulatory trends and potential for enhanced contributions from the education sector.

Sessions 2 consists of five breakout group discussions all related to COME theme. These were: How can teaching contribute to advancing COME? What attribute should graduates have? What is the desired balance between theory, application and computer software for teaching? What may be the role of human factors and human resources teams? How can a positive COME culture be generated?

Session 3 provides some illustrative examples of COME implemented in practice. Theses covered Energy efficiency and environmental regulations-causing a change in the industry. COME in ship design and Pelamis-care of the marine and offshore environment from concept through to implementation.

Section 4 gives a forum for young people to give their views on COME. The speakers came from Babcock International, University College, London and BAE systems.

Session 5 looks into the ways forward. The subject addressed were the contribution of education and CPD for meeting the challenge of COME and an example of an CPD course entitled M Tech (Master of Technology) .

There was a real time questionnaire to obtain feedback from the participants on both days.

The workshop could not take place without the support of many people. I like thanks the following: Participants to the workshop; all the presenters; my colleagues Atilla Incecik, Peter Lai and Peter Noble; the students Abhinav Jayswal, Naveen Sharma, Joshua Boland and Edmond Ow. Pamela Leckenby who looked after all the administrative matters of the workshop and supported me in preparing the workshop booklet

Lastly, I like to express our gratitude and appreciation to our sponsors ABS Europe and Lloyd's Register for their generous support.

Chengi Kuo

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