Registration Details

Enquiries
Please contact Ms Lilian CHOONG for more information:
Tel: (65)6516 5113
Fax: (65)6874 5097
Email: engcll@nus.edu.sg

Registration Fees*
Local Participants: S$250.00 + Prevailing GST
Overseas participants: S$ 250.00 (GST Exempted)
*Fees include lecture materials, refreshments & lunches

Payment
Payment is required prior to the course. Crossed cheques should be made payable to “National University of Singapore” and mailed together with the registration form to the below-mentioned address.

Discount
Each participant/company is eligible for a maximum of 10% discount for:
◇ Employees of the Technology Associates of INTRO
◇ NUS Alumni
◇ Companies sending three or more participants

Closing Date
Please send in your registrations form along with your payment by 5th January 2007, Friday.

1-Day Workshop on
American & International Standards for Tubular Offshore Structures
Accredited with 7 PDUs by Professional Engineers Board, Singapore

By
Prof. Peter W. Marshall
MHP Systems Engineering
and
Assoc Prof. Choo Yoo Sang
National University of Singapore

Date: 12th January 2007
Time: 9:00am - 5:00pm
Venue: NUS, Faculty of Engineering

Supported By:

Organised By:
Professional Activities Centre, FoE
National University of Singapore
Programme

Registration & Welcome by Prof. Choo

General Design of Offshore Structures by Prof. Marshall
i. Overview: Interdisciplinary Aspects
ii. Development of API-rules for Platform Design
iii. Loadings & Cost-Risk Trade-Offs

<<Morning Break>>

Tubular Connections by Prof Marshall
i. Overview: Punching Shear and Hot Spot Stress
ii. API and AWS Strength Rules
iii. Cidect & IIW/ISO Strength Rules by Prof. Choo

<<Lunch>>

Fatigue Design and Fracture Mechanics by Prof. Marshall
i. Fundamentals: Yσ√πa, Kc, ΔK, da/dN by Prof. Choo
ii. New API & AWS Fatigue Rules
iii. Advanced Fracture Control

<<Afternoon Break>>

Materials and Welding by Prof. Marshall
i. Basis for AWS D1.1 Performance-Based Standard
ii. MWIFQ in ISO FDIS 19902

<<Discussion & Closure>>

Course Lecturers' CV

Professor Peter Marshall holds Bachelor and Master of Science degrees from the University of Florida, and a PhD (Dept. of Architecture) from Kumamoto University, Japan. He received the Alfred Noble Prize for a 1967 paper on "Risk Evaluations for Offshore Structures", and served for several years on the NRC Committee on Marine Structures. He worked with Shell Oil for 31 years, and retired as their top ranked Civil Engineer, specializing in the design of offshore structures. In this capacity, his design work and criteria development helped improve the reliability of fixed offshore platforms and enabled their expansion into challenging environments, holding five successive world water depth records. He led the initial design team for "Bullwinkle," the present world record fixed platform (1350-ft water depth), and managed interdisciplinary research, technology development, conceptual studies, and initial designs for a wide range of compliant towers, TLPs, and spars. He was twice chairman of the ASCE Committee on Tubular Structures, and a principal author of many of the related AWS and API design Code provisions. Upon retiring from Shell in 1993, Marshall became Professor, Chair of Marine Design and Construction, University of Newcastle-upon-Tyne, England, teaching both undergraduate and graduate courses. He is currently sole proprietor, MHP Systems Engineering, a specialist consultant to offshore design firms and oil companies, as such participating in all of Shell's TLPs, as well as the Hess Baldpate compliant tower project. His work on tubular and offshore standards continues internationally. In 2006, he received the OTC Distinguished Achievement Award for Individuals, and was Kurobane Lecturer at ISTS-11.

Assoc. Prof. Choo Yoo Sang is currently with the Department of Civil Engineering and is Founding Director of the Centre for Offshore Research & Engineering (CORE) at National University of Singapore. He is actively coordinating the R&D collaboration between the industry and academia. Dr Choo's research interests include strength & fatigue capacity of tubular and plated structures, and knowledge-based system development for applications in the offshore and marine industries. His research team has received the Stanley Gray Award in 2001 for the best paper on offshore technology from The Institute of Marine Engineering Science & Technology (UK) and the IES Prestigious Engineering Achievement Award in 2003. He received two best paper awards in 2005, James Watt Medal from ICE (UK) and Stanley Gray Medal from IMarEST (UK).

Dr Choo has served in many scientific and technical committees for international society and conferences, and three journals. He received two ISOPE Awards for his significant contributions towards the Society. He served as President of Singapore Structural Steel Society (SSSS) in 1992 to 1994 and was conferred the Honorary Fellowship of the SSSS. He is serving as member of International Institute of Welding Sub-Commission XV-E: Tubular Structure and ISO/TC8/SC8. He has provided specialist advice to major offshore projects in recent years.

REGISTRATION FORM
American & International Standards for Tubular Offshore Structures
12th January 2006, National University of Singapore

Local Participants : S$250.00 + Prevailing GST
Overseas participants: S$ 250.00 (GST Exempted)

Dr/Mr/Ms: _____________________________________
Designation:  ___
Organization: __________________________________
Address:  ___
Contact Person: _________________________________
Tel: _________________ Fax: ___________________
Email:     ___
*** Special Dietary Preference: No Pork No Lard / Vegetarian
NUS Alumni Card No. (if any) _________________________

Payment Mode:
Cheque: ________________ Amt (S$): _______________
Payable to “National University of Singapore’

VISA/MSTR: ____________________________________
Exp. Date:  __

Closing Date:
Please send in your registration form together with your payment by 5th January 2007, Monday.
A 50% refund will be made for withdrawals (received in writing) 10 working days before the commencement of the course. No refund will be made thereafter. Replacements are acceptable prior to 3 days before the course commence. PAC reserves the rights to cancel the course and fully refund the participants, should unforeseen circumstances warrant it. Every effort will be made to inform participants of any changes.

Authorized Signature/ Company Stamp