

Workshop: New Trends of Codes & Standards for Pressure Vessels & Inspection / Testing

The workshop came to a successful end on September 27, 2009 with a dinner for the main speaker Dr Takayasu Tahara at the Jurong Country Club.

In all, there were about 70 participants.

For those who assisted in making the workshop a very successful one, I like to say a big thank you to you.



The workshop brochures are provided as well for your reference.

**WORKSHOP: NEW TRENDS OF CODES
& STANDARDS FOR PRESSURE
VESSELS & INSPECTION / TESTING**

Registration Form

Name 1 (Dr/Mr/Ms) _____
Designation _____
Name 2 (Dr/Mr/Ms) _____
Designation _____
Name 3 (Dr/Mr/Ms) _____
Designation _____
Company / Institution _____
Contact Person _____
Address _____
_____ Postal Code _____
E-mail _____
Tel _____ Fax _____

To register please fill in the Registration Form and fax to **6566 7718**, or e-mail to wonglk@setesco.com on or before **24th August 2009** (Monday).

All cheques should be made payable to “**SETSCO Services Pte Ltd**” & accompanied by a copy of the filled-in registration form to the following address:

SETSCO Services Pte Ltd
18 Teban Gardens Crescent
Singapore 608925
Attn: Ms Wong Li Kien

For more information contact the following persons:
Dr Arvind (DID: 6895 0633 or e-mail: arvind@setesco.com).

Or
Ms Wong Li Kien (DID: 6895 0626 or e-mail: wonglk@setesco.com).

Note:

The organisers reserve the right to cancel the workshop or amend the schedule, venue & speaker due to circumstances beyond control. Registration is on first-come-first-serve basis. No refund of course fee is entertained. However, replacement is allowed.

DATE, TIME, VENUE & FEES

Date: 26th & 27th August 2009

Time: 9 am to 5 pm

Venue: Informatics Campus
Blk A, #02-03 (Mini Auditorium)
12 Science Centre Road
Singapore 609080

Note: Car parking is free

Fees: S\$450.00 + 7% GST per person for
ASME & IES members

S\$495.00 + 7% GST per person for
all others

The fees to include:

- Admission to Workshop.
- Lunch / Tea / Coffee & Light Refreshments.
- Course Handout.

WHO SHOULD ATTEND?

This Workshop is highly suitable for engineering inspection and maintenance specialists working in refineries, petrochemical plants and power plants. Personnel involved in design, fabrication and inspection, QA/QC in fabrication shops, inspection agencies, regulatory authority or inspectorate of pressure equipment may find the contents of the Workshop very useful.

In general, all participants will find the Workshop a time-saving means to broaden & update their knowledge of Pressure Vessels.

WORKSHOP ORGANISED BY

**ASME SINGAPORE - PRESSURE SYSTEMS
INTEREST GROUP**



SUPPORTED BY



CO-ORDINATED BY



WORKSHOP

**NEW TRENDS OF CODES &
STANDARDS FOR PRESSURE
VESSELS AND INSPECTION / TESTING**

26th & 27th August 2009, 9am to 5 pm

**Accredited by Professional
Engineers Board (PEB), Singapore**

14 PDUs

WORKSHOP: NEW TRENDS OF CODES & STANDARDS FOR PRESSURE VESSELS & INSPECTION / TESTING

WORKSHOP OBJECTIVE

Codes and Standards of pressure equipment technologies for pressure vessels, boilers, piping and storage tanks which are all critical facilities in industries and these face the greatest turning points. Continuous safe operation of aged pressure equipment is one of the most critical subjects to be solved for future sustainable economy. API and ASME have taken the initiative to develop Codes and Standards for safe operation and maintenance through Fitness-for-Service Standards and Risk Based Inspection. On the other hand, new design and construction standards prepared for large scale pressure vessels such as oil hydro-treating reactors are required for effective production of new energy resources.

This seminar presents concepts of new Pressure Vessel Code, ASME Section VIII, Division 2 and also status of the Post Construction Standards.

WORKSHOP PROGRAM

26th Aug 2009, 9 am to 5 pm - Dr Takayasu Tahara

Part-1 Introduction

1-1 Introduction

1-2 Background

1-3 ASME Pressure Vessel Codes

1-4 Drastic Growing Importance of Equipment Maintenance

Lunch break: 12.30 pm to 1.30 pm

Part-2 Successful Completion of New ASME Section VIII Division 2, 2007 & ISO Standards 16528-1 & 2, 2007

2-1 ASME Section VIII Division 2, 2007 - Development of New Alternative Rules for Construction of Pressure Vessels, Div.2

2-2 ISO Standards 16528-1 & 2, 2007, Boilers & Pressure Vessels

27th Aug 2009, 9 am to 12.30 pm – By Dr Takayasu Tahara

Part-3 Recent Development of Equipment Maintenance Standards, FFS, RBI & Repair

3-1 Joint Development of Fitness-For-Service Standards, API579-1 / ASME FFS-1, 2007

3-2 Inspection Planning Using Risk Based Methods, ASME PCC-3, 2008

3-3 ASME Repair & Testing Standards, PCC-2, 2007

Lunch break: 12.30 pm to 1.30 pm

27th Aug 2009, 1.30 pm to 5 pm

Presentation -1

Regulation of Pressure Vessels – The Way Ahead - By Mr Go Heng Huat (Ministry of Manpower, Singapore)

Presentation – 2

Inspection of welds in Pressure Vessels by Phased Array UT Method - By Mr Heng Keng Wah (Setsco)

Presentation – 3

Implementing Risk-Based Inspection in Process Plants - By Mr Chow Ngai Mun (Shell Chemicals Seraya Pte Ltd)

SPEAKERS PROFILES

Dr Takayasu Tahara, Dr. Eng, graduated in Mechanical Engineering from Shibaura Institute of Technology, Japan. He also has a Doctor of Engineering (Dr. Eng) degree from the Tokyo Institute of Technology, Japan, which was awarded to him in the year 1997 for his thesis related to the study on improvement of reliability and evaluation of long-term degradation in high Pressure Vessels for oil refining. Soon after his graduation in 1984, Dr Tahara joined the Japan Steel Works (JSW) Company Ltd. In JSW he was involved in design, materials engineering, fabrication, quality control, maintenance, Codes and Standards activities for Pressure Vessels. Dr Tahara then shifted to the High Pressure Institute (HPI) of Japan in 1999 where he was dealing with the safety assessment of storage tanks, establishing allowable stress database, fitness-for-service assessment for refinery / petrochemical pressure equipment, development of Pressure Vessel Codes such as PVRC CMC-ASME Section VIII Div. 2 and re-writing of ISO TC-11. Dr Tahara then moved to Petroleum Association of Japan (PAJ) where he was the Project Leader for developing the fitness-for-service standards for refinery and petrochemical pressure equipment. Here he was also responsible for the development of Pressure Vessel Standards as a member of API TG579 and API/ASME FFS, HPI-TFR, KHK-ISO-TC11 etc.,. Since from the year 2009 Dr Tahara is the Director of IPS Services, Houston, at their Tokyo branch.

Dr Tahara is the recipient of various awards instituted by HPI, ASME, ASME Pressure Vessels and Piping Division and API. He is also a member of various national and international Professional bodies such as Japan Welding Engineering Society, HPI, High Pressure Gas Safety Institute of Japan, Japan Pressure Vessels Research Council, ASME Codes and Standards, ASME Pressure Vessels and Piping Division and API.

Mr Go Heng Huat is a Deputy Director of the Occupational Safety and Health Division of Ministry of Manpower. He holds a Bachelor of Science (Hons) and Master of Science in Chemical Engineering from the University of Newcastle Upon Tyne, UK. As a Deputy Director, he oversees the regulations of statutory pressure vessels in Singapore.

Mr Go Heng Huat has been actively involved in the Singapore standardization especially in the area of standards for safety. He sits in a number of Singapore Standards technical committees. He chairs the Technical Committee on Occupational Safety and Health Management System and is a member of the Management Systems Standards Committee of SPRING Singapore.

Mr Go Heng Huat is a member of Singapore Accreditation Council Committee for Managements Systems and Products. He is also an Adjunct Associate Professor with the Chemical Engineering and Bio-molecular Department of National University of Singapore.

Mr Heng Keng Wah holds a BSc (Hons) and a MSc degree from the UK. He also holds PCN Level II & III Certifications in UT and ET (Aerospace) methods.

Mr Heng is a Fellow of the British Institute of NDT (F Inst NDT). Currently he is working as a Technical Consultant to Setsco Services Pte Ltd. Prior to this position Mr Heng was with the School of Materials Science & Engineering, Nanyang Technological University (NTU) as an Associate Professor. Formerly he was with RISIS Pte Ltd as the General Manager, and also as a Divisional Director at Materials Technology Applications Centre, SISIR (currently PSB Corp). Mr Heng is also a SINGLAS Technical Assessor; Chairman, SAC Proficiency Testing Program for NDT; 1st Vice President of Singapore Welding Society (SWS) and CEO of IIW-approved S-ANB. He is a certified PCN Level II & III personnel in UT and ET methods in the aerospace sector, and also

a certified SWS ICAS Level II personnel in Coating Inspection.

Mr Chow Ngai Mun is currently Asset Integrity Manager for Shell Chemicals Seraya Pte Ltd. He holds a M.Sc., from National University of Singapore; CEng; Fellow FIMMM from Institute of Materials, Minerals and Mining. He is AWS CWI, ASNT/ACCP/EN 473 Level III (UT, RT, MT, PT), PCN Level II TOFD, API 653; 510; 570 & 571 Certified Inspector. Mr Ngai Mun has 23 years experience in Marine; Defence; Oil and Gas Industries specialized in Failure Analysis, Fitness-For-Service and Advance NDT techniques. He had worked in Det Norske Veritas Pte Ltd for more than 18 years in total; 3 years in Defence and Aerospace industries (Singapore Technology) and 2 years in a German Engineering company (Edeleanu Asia Pte Ltd) as Senior QA/QC Engineer.

VENUE LOCATION MAP

