

Behaviours of Materials During Welding Awareness Course

Date: 30th May 2022

Time: 1pm to 5pm

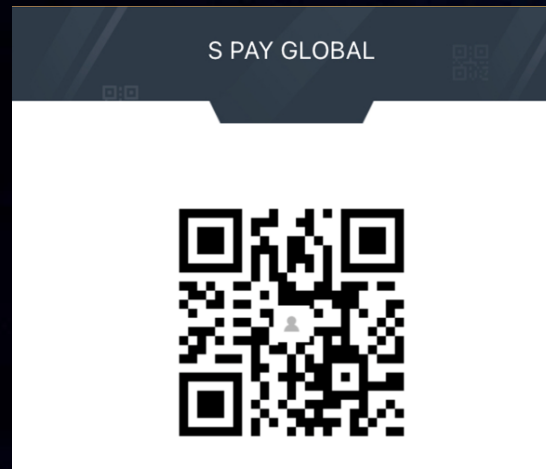
Venue: Curtin University Malaysia SK3-206 / Google Meets

Fee: RM 30 (IMM Member); RM50 (Non-IMM Member);
FOC (IMM Student Chapter)

Payment Sarawak Pay OR

Method: Bank in to 511186363955 Maybank (Sheron Lim)

Sarawak Pay QR Code



Organised By



Synopsis

This half-day course is specially designed to provide an adequate technical knowledge on how to behaviours of materials during welding and consistently sustain quality welds during welding production, including qualification of welding procedure specification (WPS) as per relevant internationally recognized welding code and quality control of welds.

The participant will gain an appreciation on managing WPS, technical knowledge on welding technology relating to maintenance, inspection, alteration and repair of in-service metallic systems. Essentially, they can make a sound decision on the acceptance of WPS during welding production and metallic fabrication work including carbon and stainless-steel materials.

Who Should Attend?

This awareness course is most beneficial to technical management personnel of all levels including junior and senior engineers, inspectors, designers, manufacturers, fabricators, technical managers and practising engineers who involved in the management and planning of welding and inspection related activities as well as maintenance activities in upstream oil & gas facilities, refineries, process plants and petrochemical facilities.



Course Structure

12:30pm to 1:00pm	Registration
1:00pm to 2:00pm	Introduction Steels – What is Steel? Binary Phase Diagram of Fe-C Essence of Mill Certificates
2:00pm to 3:00pm	Heat Treatments of the Steel Change in Properties of Heat Affected Zone (HAZ) Effect of Heat Input Exercise-1
3:00pm to 3:30pm	Tea Break
3:30pm to 4:30pm	Welding Related Defects and Weldability Prevention of Weld Cracking Welding of Stainless Steels and Welding Related Problems Exercise-2
4:30pm to 5:00pm	Q&A Presentation of Certificates of Participation



Presenter:
Ir Dr Ewin Jong Nyon Tchan

Ir Dr Ewin Jong graduated with Doctorate Degree in Materials Engineering from Imperial College of Science, Technology and Medicine, Royal School of Mines, University of London, England, United Kingdom. He was a Research Scientist with ICI Advanced Materials Research in UK for 7 years. Then he joined Sarawak Shell Berhad/Sabah Shell Petroleum Company for 22 years mainly as a Materials and Corrosion Technical Authority covering assurance in materials and corrosion engineering, welding technology, inspection techniques and risk-based inspection (RBI) assessments. He then joined Jurutera Perunding Akal (JPA) S/B as a General Manager where he deals with engineering design consultancy and implementation of welding technology for the fabrication of piping, broilers and pressure vessels within the upstream sector of the O&G industry. He is now Executive Director of AKAL Group of Companies and Executive Director of Advanced Metallurgy and Welding Technology (AMW Technology) Sdn Bhd taking up new challenges in setting up a HRDF certified training centre for certified skill welders, welding inspectors and welding engineers as well as a steel fabrication workshop for all types of welding works for O&G, shipbuilding and petrochemical industries. Ir Dr Ewin Jong is also an Associate Professor in Curtin University Malaysia.