

## Process Safety Management (PSM) Seminar

**Date:** 30 May 2018 (Wednesday)

**Time:** 9.00am to 5.00pm

**Venue:** Grand Ballroom (Level 3), Singapore Polytechnic Graduates' Guild  
1010 Dover Rd, S139658

**Registration Fee (inclusive of GST):** S \$214.00 per participant for SCIC Member  
S \$321.00 per participant for Non-Member

### Programme

Time	Items	Speakers
9.00am – 9.15am	Registration	
9.15am – 9.45am	Future Landscape of Process Safety Regulatory Framework	Mdm Jaime Lim Deputy Director Major Hazards Department, OSH Division Ministry of Manpower
9.45am – 10.45am	Introduction to ALARP	Ms Lyn Fernie VP Consulting Zento Global Solutions  Mr Mike Warren Principal Consultant Zento Global Solutions
10.45am – 11.00am	Tea Break	
11.00am – 12.00pm	Case study on ALARP demonstration	Zento Global Solutions
12.00pm – 1.00pm	Lunch Break	
1.00pm – 2.00pm	Learning from Incidents	Mr Amit Bhatnagar Process Safety Manager Singapore Refining Company Pte Ltd
2.00pm – 2.45pm	Introduction to Human Factors	Ms Lee Wai Chan Human Factors Professional Asia Pacific Shell Eastern Petroleum (Pte) Ltd
2.45pm – 3.00pm	Tea Break	
3.00pm – 4.30pm	Workshop on Human Factors Task Analysis	Facilitators: – Ms Lee Wai Chan – Mr Kevin Wong, Human Factors Engineer, Shell Eastern Petroleum (Pte) Ltd
4.30pm – 5.00pm	Q & A session	

*Note: SCIC reserves the rights to change the programme without prior notice*

This PSM Seminar, part of a series, offers an in-depth look into selected PSM elements.

The 1<sup>st</sup> half of the seminar will bring the participants through ALARP (As Low As Reasonably Practicable) which is one of the fundamental principles of risk management. In the Case Study on ALARP demonstration, participants will have an understanding on how to strike a balance in managing risk as it is not cost effective if resources are invested to eliminate risk to the point where the costs exceed benefits.

One of the greatest threats to process plant safety is Human Error. Human error is any human action (or inaction) that deviates from its primary intention and expectation, in achieving the desired outcome. Human error includes lapses and intentional violations that may contribute to accidents. The 2<sup>nd</sup> half of the seminar will provide participants with a hands-on session on Human Factors. The group activity will bring you through the Human Factors Task Analysis by determining the tasks which are safety critical, followed by understanding which human action (or inaction) might result in a failure and finally identifying the layers of protection for these safety critical tasks in order to reduce the likelihood or consequences of human failure.

#### Who should attend?

Safety Case, Technical, Process Safety, HSE, Operational, Maintenance Personnel

**Fee is inclusive of course materials, tea-breaks and lunch.** All participants are kindly required to register via [www.scic.sg](http://www.scic.sg). Should you require further details, please do not hesitate to contact the SCIC Secretariat Office at 6267 8891/6267 8591 or email us at [secretariat@scic.sg](mailto:secretariat@scic.sg)