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

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<th>Time</th>
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<td>9.00am – 9.15am</td>
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| 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 1st 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 2nd 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)