

**SUSS** invites you to a  
**HUMAN FACTORS SEMINAR**  
**cum DINNER with Alan Chan**

**A Qualitative Study on  
Factors Affecting Risk  
Taking Behaviour of  
Hong Kong  
Construction Workers  
and**

**Recommendations for Reducing Unsafe Behaviour**

Despite efforts to prevent accidents and injuries by focusing on the removal of unsafe conditions, the numbers of industrial accidents and fatalities in the construction industry is still on the rise. Efforts should instead be redirected to understanding the causal and contributing factors to unsafe behaviours in order to reduce such behaviours. However, comprehensive analysis of the full range of contributing factors is very limited in Hong Kong, China and other countries. The research reported here aimed to: provide insights into accidents and fatalities from the perspective of human factors; investigate the potential factors affecting the risk taking behaviour of construction workers, and; identify areas for accident prevention and mitigation in the Hong Kong construction industry.

This seminar presents the findings of the Phase I of the research which focused on the exploration of personal thoughts, attitudes, experiences and so on via face-to-face and semi-structured individual interviews, and collection of descriptive and analytical results related to risk taking behaviours of construction workers.

A variety of organizational, social, individual and demographic factors were found to interact with the occurrence of risk taking behaviours. Factors and implications provided from analysis of the descriptive results and grounded theory were consolidated into a conceptual model. The proposed model - Construction Worker Risk-taking Model (CWRM) – will be subjected to quantitative validation in Phase II to increase understanding of the risk taking behaviours of Hong Kong construction workers and in the light of that understanding, to formulate recommendations to reduce, or even better, to eliminate unsafe behaviours of construction workers.

**Singapore University  
of Social Sciences**

Formerly known as SIM University



**Date:**

25 April 2017 (Tuesday)

**Time:**

Registration: 6.15 pm

Dinner: 6.30 pm

Seminar: 7.15 -8.30pm

**Venue:**

Seminar Room A.3.01A/ 3.01B  
SIM University, Block A, Level 3,  
461 Clementi Road, S599491

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**REGISTER HERE:**

[http://bit.ly/SUSS\\_HFSeminar2](http://bit.ly/SUSS_HFSeminar2)

Registration closes on 18 April

**About the Speaker**

Associate Professor Alan H.S. Chan has a wide range of research interests in ergonomics, safety and health. He has published more than 160 papers in these topics in SCI journals. He is an editorial member of Ergonomics, International Journal of Industrial Ergonomics, and International Journal of Human Factors and Ergonomics in Manufacturing and Service Industries. AP Chan has been contributing to his profession by serving various international and local professional societies. He has been the Director of IIE (HK) since 1996, and was elected as Region Vice President (Asia) for IIE for 2001-03. He was a founding member and the President of the Hong Kong Ergonomics Society (HKES) for 2003-05 and 2009-2011 and is now still serving as a Council Member of the HKES. He was appointed to the position of Vice Chairman of Occupational Safety and Health Council. AP Chan is a Fellow of Institute of Industrial and Systems Engineers, International Ergonomics Association, Chartered Institute of Ergonomics and Human Factors, Institution of Engineering and Technology, and Hong Kong Institution of Engineers.