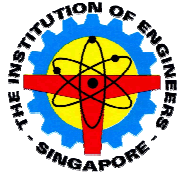


# Succeeding as an Engineer

Jointly organized by



ACES-YPC  
**YOUNG  
PROFESSIONALS  
CONNECTION**



The Institution of Engineers, Singapore  
&  
Association of Consulting Engineers, Singapore  
&  
Engineering Alumni Singapore

18 January 2012  
9.00 am to 5.30 pm  
@ IES Multi-purpose Hall  
70 Bukit Tinggi Road  
Singapore 289758

By  
Er. Dr. Lock Kai Sang  
**Past President, Institution of Engineers, Singapore**  
&  
Er. Lim Peng Hong (Guest Speaker)  
**Immediate Past President, Association of Consulting Engineers, Singapore**  
&  
Er. Lim Soon Hock (Guest Speaker)  
**Dean, IES College of Fellows**

## **Objective**

This seminar is primarily structured for young engineers, to guide them with proven tips and ideas essential to succeed as an engineer. The not-so-young engineers will also benefit from attending the seminar.

The first part of the seminar examines the attributes of successful engineers, to be supplemented by instructor's and guest speakers' sharing of personal experiences and thoughts on critical elements.

The second part of the seminar focuses on writing good technical reports. It is estimated that engineers spend more than half of their work hours in writing various reports and proposals. Poor technical writing projects a negative image and is a common impediment to career development. The essential elements for writing correct and effective technical documents are first reviewed, and to be followed by group exercises in reviewing and correcting some published technical documents.

## **Who Should Attend**

- For all
- Priority given to engineers age 35 and below

## **Learning Outcomes**

- 1) The participants will gain an understanding of the key attributes and professional competency profiles of successful engineers. Some should be inspired to plan and draw up their roadmaps to become successful engineers.
- 2) The participants will gain an appreciation of the various aspects of writing techniques and skills to produce clear, accurate and concise technical documents. The pointers provided should enable them to further improve their writing skills through self-learning.

## **Seminar Outline**

### ***Part A – Acquiring the Attributes and Professional Competencies of Successful Engineers***

1. Attributes and professional competency profiles of successful engineers
2. Leadership and people skills
3. Sharing of personal experiences and insights
4. Essence of the 6-letter word: A-C-T-I-O-N
5. Roadmap to succeed as an engineer

### ***Part B – Writing Effective Technical Reports***

6. Planning and organizing a technical report: objective, scope, readership, structure, layout
7. Writing clearly, accurately and concisely
8. Avoiding common mistakes
9. Group exercises: review and correct technical documents

## **Registration Details**

Registration fee: IES/ACES-YPC/EAS member: \$ 65.00  
Non-member : \$99.00

CPD: 6 PDUs

*Registration is limited to 45 participants only*

*Priority given to applicant aged 35 and below*

Contact Leon Leong / Kok Sun - Tel: 6461 1232 Email: [leon@iesnet.org.sg](mailto:leon@iesnet.org.sg) / [Koksun@iesnet.org.sg](mailto:Koksun@iesnet.org.sg)

## **Instructor Profile**

Er. Dr. Lock Kai Sang

**Past President, Institution of Engineers, Singapore**

**Dr. Lock** is passionate about the professional development and career advancement of engineers. He believes engineers could be more successful and better-recognized by the society. He regularly conducts guest lectures and career talks to students at the universities. He is convinced that the solid education of accredited engineering programs would have equipped the graduate engineers with the 'ammunitions' for the workplace. However, engineers have to consciously arm themselves further with leadership, people and communication skills to be able to fully release their fire-power to open up successful career paths.

He chaired the Organizing Committee of the inaugural 2010 National Engineer Day (NED). NED is now established as an annual event to promote engineering as a preferred career choice for young people. It also helps to raise the profile of engineers through a series of coordinated public events.

He is a practicing professional engineer, offering specialist consulting services in areas of power quality and electromagnetic compatibility through his consulting firm PQR Consultants. He is also qualified to act as arbitrator and adjudicator.

He is a Past President of The Institution of Engineers, Singapore and was Chairman of the Engineering Accreditation Board from 2002 to 2009. He was the Chairman of Singapore Standards Council for 6 years, actively contributing to the promotion and establishment of Standards and Codes of Practice. He served as a Board Member of Professional Engineers Board, Singapore (2002 to 2008) and was Chairman of its examination committee. He is a Past Chairman of the IET, Singapore Centre and founding Chairman of IEEE Power Chapter, Singapore. He is still actively serving as a volunteer, being the Chairman of Accreditation Committee for Energy Service Companies (ESCOs). He acts as Washington Accord reviewer and mentor for several countries. He is a Vice-President of the ASEAN Academy of Engineering and Technology.

Dr. Lock received his B.Sc. (1<sup>st</sup> Class Honours) in Electrical and Electronics Engineering in 1975 from the University of Strathclyde, UK. He completed his Ph.D. degree at the same university in 1979 researching on the design optimization of electrical machines. He joined the National University of Singapore as a lecturer in 1980 and was the Head of its Power and Machines Division, Department of Electrical Engineering, when he left in 1997 to set up his consulting practice.

*He is the co-author of a book "Ground for Grounding: A Circuit to System Handbook" published by IEEE/John Wiley.*

## **Guest Speakers**

Er. Lim Peng Hong

**Immediate Past President, Association of Consulting Engineers, Singapore**

**Er. Lim Peng Hong** is a Professional Civil Engineer with over 25 years of experience in structural, transportation, civil and geotechnical engineering in the region. He is also registered in the specialized branch of geotechnical engineering under the Professional Engineers Board, and is an Accredited Checker for Geotechnical Engineering works. He has been appointed as a member of the Singapore Professional Engineers Board (PEB) by the Ministry of National Development and is the

President of the Association of Consulting Engineers Singapore for 2008/2011. He has successfully managed numerous major projects, and led design and construction teams to timely completion of such projects and within budget. In his career, Peng Hong has accumulated wide knowledge on different areas of engineering skills, including transportation, structural and geotechnical engineering.

He was sent to Imperial College, London University for a Master programme in Concrete Structures under the Commonwealth scholarship. He has garnered a number of awards at the national level, including the National Heritage Awards for the redevelopment of the Old Hill Street Police Station into the MITA Headquarters in 2001, the conversion of the Empress Place Building into the Asian Civilisation Museum II in 2003 and the restoration of the National Museum of Singapore [NAMOS] in 2007; and the Association of Consulting Engineers Singapore Design Excellence Award for Jurong Island Road Link, Jiak Kim Bridge and Supreme Court. The Supreme Court also received the Outstanding Engineering Award from the Institution of Engineers Singapore. He is currently the Managing Director of PH Consulting Pte Ltd, a licensed corporation under the Professional Engineers Act.

**Er. Lim Soon Hock**  
**Dean, IES College of Fellows**

**Er. Lim Soon Hock** has more than 25 years of experience as a Board member, Chief Executive Officer, technopreneur and private investor, across a variety of industries, both locally and internationally.

He is best known for his work as the Vice President and Managing Director of Compaq Computer Asia Pacific, where he was the first Singaporean / Asian appointed to the position. He is currently the Founder and Managing Director of PLAN-B ICAG Pte Ltd, a boutique corporate advisory firm. Since stepping down from Compaq, he has been involved in taking 3 companies public, one each on SGX, ASX and AIM, as well as being involved in 8 mergers and acquisitions.

Soon Hock continues to sit on the Board of Directors of several government agencies, publicly listed companies and civic organisations. He was a recipient of numerous awards, which include the 1992 NUS Distinguished Engineering Alumni Award, 2009 Public Service Medal, 2009 NUS Distinguished Alumni Service Award, 2010 IES-IEEE Joint Medal of Excellence Award, 2010 Honorary Fellow of AFEO (Asean Federation of Engineering Organisations) and most recently, MCYS Outstanding Volunteer Award. He was appointed a Justice of the Peace in May 2008.

Soon Hock is a member of the IES Corporate Advisory Panel and the newly appointed Dean of the College of Fellows. He holds a B.Eng ( Hons ) from the then University of Singapore and a post graduate Diploma in Business Administration from the National University of Singapore. A registered Professional Engineer and a Chartered Engineer, he is a Fellow of IES, Institution of Engineering and Technology ( UK ) and Singapore Institute of Directors. "

## Registration Form

### One-Day Seminar on "SUCCEEDING AS AN ENGINEER"

**Date :** 18th January 2012 (Wednesday)

**Time :** 08.30 am – 05.30 pm

**Venue :** IES Multi-Purpose Hall

**CPD :** 6 PDUs

**Fee :** \$65 IES/ACES-YPC/EAS Members

**\$99 Non-Members**

Please send fax the completed form to 6467 1108 or email to [Leon@iesnet.org.sg](mailto:Leon@iesnet.org.sg)/ [Koksun@iesnet.org.sg](mailto:Koksun@iesnet.org.sg) by 5<sup>th</sup> January 2012 .

### Participant Details

Name : \_\_\_\_\_ PE No. : \_\_\_\_\_  
Designation : \_\_\_\_\_ NRIC : \_\_\_\_\_  
Company Name : \_\_\_\_\_  
Address : \_\_\_\_\_  
Postal Code : \_\_\_\_\_  
Contact No. : \_\_\_\_\_ Fax : \_\_\_\_\_  
Email Address : \_\_\_\_\_

Please

I am a Member of IES/ACES-YPC/EAS

IES/ACES-  
YPC/EAS

M'ship No: \_\_\_\_\_

I am not a Member of IES/ACES-  
YPC/EAS

### Payment Details

Bank/Cheque No: \_\_\_\_\_ Amount(\$): \_\_\_\_\_

Cheque should be crossed and made payable to: "Institution of Engineers, Singapore" or "IES".

#### **Important Notes:**

1. Confirmation of event will be given 1 week prior to the commencement of the event.
2. In the event that you are not able to attend the event, please kindly inform us in writing at least three days before the commencement date. Otherwise the full payment is still applicable even if you did not turn up for the event.
3. Replacement is allowed, however, when a member is replaced by a non-member, the participant has to pay the difference in the fee.

**IES reserves the right to make appropriate changes at its discretion  
although every effort will be made to inform participants in time.**