Keynote 1

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Importance of an Inclusive Engineering Education Accreditation system for the development of Nation and Mobility of Engineers

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Abstract

Engineering Education Accreditation is to ensure that graduates of the accredited engineering programmes satisfy the minimum academic requirements. Engineering Education Accreditation is important to access, evaluate and improve the quality of the engineering programs. The International Engineering Alliance (IEA) has International Agreements Governing Mutual Recognition of Engineering Qualifications And Professional Competence through Education Accords and Engineering Accreditation Agreement. Inclusive Engineering Education is important due the global development where there are different systems and different needs around the world. FEIAP Engineering Education Guideline is an inclusive Engineering Education Accreditation System for the Development of Nation.

Global Mobility and Engineers involve the movement of global engineering professionals who are capable of independent practices. Global Mobility need International Benchmarking and External Recognition of Quality to reduce barriers and ease the process for engineers to gain access to work and practice in other economies.

Speaker biography

Ir. Tan Yean Chin is the President of The Institution of Engineers, Malaysia (IEM) with more than 40,000 members and Board member of the Board of Engineers, Malaysia (BEM) which regulates all the engineers in Malaysia. Ir. Tan also holds the position of Secretary General of the Federation of Engineering Institutions of Asia and the Pacific (FEIAP), an independent umbrella organisation for the engineering institutions in the Asia and the Pacific region.

Ir. Tan Yean Chin obtained his Bachelor Degree in Civil Engineering with First Class Honours from University Technology Malaysia (UTM) in 1992. He later obtained his Masters Degree in Geotechnical Engineering and The Chin Fung Kee Prize for outstanding academic performance from Asian Institute of Technology (AIT), Bangkok in 1994.

Ir. Tan is a Professional Engineer and an Accredited Checker (Geotechnical) registered with the BEM. A registered ASEAN Chartered Professional Engineer (ACPE) as well as in the APEC and International Professional Engineers registers, Ir. Tan is also an Honorary Fellow of the ASEAN Federation of Engineering Organisations (AFEO), Fellow of IEM and Fellow of ASEAN Academy of Engineering & Technology (AAET).

He is one of the Founder and Senior Director of G&P Professionals group of multi disciplines engineering consulting firms with staff strength of more than 300. Ir. Tan has published more than 70 technical papers on geotechnical engineering in local and overseas conferences and seminars.

Other positions:

In Malaysia:
- Board member of the Board of Architects, Malaysia (BAM) (2008),
- Member of the Expert Panel to Review Malaysian Construction Industry Practices appointed by the Minister of Works (2013-2014),
- Chairman of the Committee on Professional Practice at Board of Engineers, Malaysia (BEM) (2009-2012, 2013-2016), and

Overseas:
- Secretary General of ASEAN Federation of Engineering Organisations (AFEO) (2007-2009)