

FEIAP ENGINEER OF THE YEAR AWARD 2019



Academician Dato Ir. Prof. Dr. Chuah Hean Teik

**BEng. Hons (Malaya), MEngSc., Phd., FASc,
Hon. FIEM, Hon. FAFEO, FEMA, FIET, PEng, C.Eng. FAAET,
ACPE, P.Eng. APEC Eng. (MY) IntPE, DSPN**

**President 2009 - 2011
The Institution of Engineers, Malaysia (IEM)**

**President and Senior Professor,
Universiti Tunku Abdul Rahman**

**President (2011-2015)
Federation of Engineering Institution of Asia
and The Pacific (FEIAP)**

Ir. Professor Dato Dr. Chuah Hean Teik, President of Universiti Tunku Abdul Rahman is the recipient of the FEIAP Engineer of the Year 2019.

Dr. Chuah Hean Teik graduated with a BEng (First Class Honours), MEngSc and PhD in Dr. Chuah Hean Teik graduated with a BEng (First Class Honours), MEngSc and PhD in electrical engineering, all from University of Malaya, Malaysia. From July 1988-April 1997, he was on the faculty of the Electrical Engineering Department of UM. From March-Nov 1994, he was a Fulbright Scholar at the Wave Scattering Research Centre, University of Texas at Arlington, USA. From May 1997-Jan 2008, Dr Chuah was a Senior Professor at the Multimedia University (MMU), during which he held various posts as founding Dean of Engineering, Director of Research and Vice President (R&D and Academic Development). From June 2001-Jan 2008, he also assumed the duty of the Penang State Government Professor of ICT in MMU. Since April 2008, he has been appointed as President of Universiti Tunku Abdul Rahman (UTAR). He is currently a Consultant Professor to Northwestern Polytechnical University, Xian, China.

Professor Chuah is a well-recognised educator, researcher and technical leader. He is considered as a Who's Who in engineering profession in Malaysia, ASEAN, Asia and the Pacific. His research interests include microwave remote sensing and applied electromagnetics. He has authored/co-authored more than 260 papers in international journals and conferences. Dr. Chuah has received many awards locally and internationally. Among them include the Professor Chin Fung Kee Gold Medal for Engineering Management in 1986, the inaugural Young Engineer Award by the Institution of Engineers, Malaysia IEM in 1991; 1990 Young Scientist Award at the 23rd General Assembly of the International Union of Radio Science (URSI) at Prague, Czechoslovakia; 1993 Young Scientist Award at the 24th General Assembly of URSI at Kyoto, Japan; 1995 Young Scientist Award (Industrial Sector) by the Malaysian Ministry of Science, Technology and the Environment; 1999 Malaysian Toray Science Foundation Science and Technology Award for his contributions in the area of microwave remote sensing; 2002 Sterling Award from the Sterling Group of Universities (research-based universities in UK with engineering faculties) for his services to promotion of engineering profession; 2011 IET Malaysia Outstanding Achievement Award; 2014 Distinguished Engineer Award by IEM Penang Branch; 2017 Outstanding Engineering Achievement Award by the ASEAN Federation of Engineering Organisations; and the 2018 Distinguished Honorary Mentor Award by Myanmar Engineering Council. For his significant contribution in engineering profession, he was awarded Honorary Doctor of Engineering by MMU in August

2013. In April 2019, Dr. Chuah was admitted to the Engineering Hall of Fame by IEM making him the youngest ever to be admitted.

Dr. Chuah has contributed significantly in education. He was the Founding Dean of Engineering of Multimedia University in 1997 and held the post until he left in 2008. In UTAR, he designed a structured Soft-Skill Development Certification system for all undergraduates so that they can be better trained as whole-some graduates in addition to academic studies. He has also initiated New Village Community Projects among the students in UTAR since 2009. UTAR is now ranked 501-600 in the *Times Higher Education* University Rankings 2018 and 2019 and top 120 in *THE* Asia and the Pacific University Rankings in 2018 and 2019. This is by all accounts not a mean achievement considering the fact that UTAR was only established in 2002.

Dr. Chuah is the current President of the ASEAN Academy of Engineering and Technology, and the past President of the Institution of Engineers Malaysia (2009-2011). He was the Vice President of FEIAP in 2007-2011 and President of FEIAP in 2011-2015. Since 2015, he has served as the Chairman of the Standing Committee on Engineering Education. Dr. Chuah has actively been involved in establishing a platform for mutual recognition of engineering degree programmes in the Asia-Pacific region. He actively participated in drawing the FEIAP Engineering Education Guideline which was accepted at the General Assembly of FEIAP in Hanoi in Dec 2010. The Guideline provides a framework for the development of an engineering program accreditation system that focuses on delivery of assured graduate outcomes appropriate to a particular economy at a particular stage in development. It serves as a commonly acceptable minimum equivalence in engineering degree programmes in Asia and the Pacific region. The engineering programmes recognized by FEIAP will fulfill the entry academic requirement for registration as an APEC Engineer. The FEIAP Engineering Education has been acknowledged by the UNESCO Jakarta Office for Asia and the Pacific region in 2013, indicating the endorsement of the engineering guideline. He is also instrumental in establishing the FEIAP Engineering Education Guidelines for Engineering Technologists and Technicians which were approved by FEIAP in 2018. Dr. Chuah has been appointed as Mentor/Reviewer to help establishing the Engineering Accreditation System for developing countries in ASEAN and Africa such as Myanmar, Cambodia, Nigeria, Rwanda and Pakistan. He has conducted tens of training courses on Outcome-based Education to academics, assessors and policy makers throughout Asia and the Pacific economies.

In recognition of his scholarly achievements, Dr. Chuah has been admitted as a Fellow of the following Academies and Institutions: Academy of Sciences, Malaysia (youngest Fellow at the point of induction in 2002) and as Senior Fellow who carries the title of Academician (youngest Senior Fellow) in 2011; the Institute of Electrical and Electronics Engineers, USA (first and the only FIEEE from within Malaysia as at to-date); Remote Sensing and Photogrammetry Society, UK; Honorary Fellow, The Institution of Engineers, Malaysia; The Institution of Electrical Engineers, UK; Founding Fellow and now Senior Fellow of the ASEAN Academy of Engineering and Technology; The Electromagnetics Academy based in MIT, USA; Honorary Fellow of the ASEAN Federation of Engineering Organisations; Malaysian Scientific Association; Honorary Fellow of Myanmar Engineering Society and Founding Fellow of The Academy of Engineering and Technology of the Developing World.

For his significant contributions to engineering education and engineering profession, FEIAP has awarded Professor Chuah the FEIAP Engineer of the Year 2019.