

Technological Association Malaysia

The gateway
for ASEAN
technologists

Information &
Membership



(FOUNDED 1946)



1	Messages
3	About TAM
7	Past to Present
11	Council & Committee
20	Branch Committee Officials
24	Future of TAM
30	Affiliations —MBOT —Aviation
32	Membership
36	Activities

Message from Ts Yam Teong Sian TAM President

When the idea of producing a book on Technological Association Malaysia at the 70th year celebration held in Ipoh, it was indeed a daunting idea at that time. The need to recognise the rich history of the Association and the rising relevancy of the Technologists and Allied professionals cannot be understated.

Throughout the entire 70 years of the Association existence to present, the contributions of members of the Association to national development can be found thorough out the country.

Be it Engineers, Technicians or any genre of technical personnel, all have played direct or indirect roles in the development of our country and will continue to do so with tremendous advancement in technological fields towards nation building.

The recently enacted Technologist and Technicians Act 2015 (Act 768) an act that establish the Malaysia Board of Technologists (MBOT) to be in line with other professional bodies is timely. To recognised professional technologists and certified technicians will provide a significant platform for TAM to play even a more active and higher role towards the promotion of registration, recognition, education and professional training of our members as professional technologists and technicians. Empowering technical and vocational education and training (TVET) will be one of the new core objectives of TAM in recognition of all technological careers.

It is will hope that that this humble effort in producing this TAM Book that the purpose and growth of the Association and its relevancy to the new technology paradigm the can be aptly met. The articles and pictorials that have been arduously sourced from our Archives may not be exhaustive and limited by space. However, the lack of comprehensiveness should not distract one from the significance and the book's usefulness as a colourful record and pictorial of the contributions of the technologists and technicians of this country, presented in a format that is easily comprehensible to the general public.

We do hope that readers will derive much pleasure going through this Inaugural TAM Booklet, just as we had enjoyed in putting the pages together.

<signature>

ABOUT TAM

ABOUT TAM



(FOUNDED 1946)

Founded over 70 years ago in 1946, the Technological Association Malaysia (TAM) is an organisation for all levels and disciplines of technologists, from professionals to students and everyone whose careers are technological in nature.

This association of technologists is intimately concerned with the advances in technological progress as well as the pursuit of knowledge in the field of technology.

TAM also aims to bring about a clearer understanding and appreciation of technology and to instil among members an impelling desire to achieve professional competence and the highest standard of technological skills.

Having a wide range of membership, it is a melting pot of technological exchanges amongst members from many walks of life. It also serves as a forum for discussion, evaluation of technological issues and advances.

TAM also provides for fellowship, social interaction and networking among members in their technological and professional pursuits.

The association conducts its activities at its head-quarters in Subang Jaya, Selangor, as well as at its 8 branches throughout Malaysia.

Objectives of TAM



TAM was originally conceived as a forum for the discussion of mutual problems by technical men from all walks of the scientific community during the country’s pre-independence. The Articles of Association set out is objectives under the 15 different clauses with the following principles:

- 1

To promote the science and practice of engineering and allied professions and the consideration and discussions of all questions affecting such profession.
- 2

To obtain and to diffuse among its members, information on all matters affecting the profession and to print, sell, publish, issue and circulate the record of transactions of the Association or any papers, periodicals, books etc, and other literary undertaking as may seem conducive to the objectives of the Association.
- 3

To improve the technical and general knowledge of its members and with a view there to provide for the reading and discussions of papers, delivery of lectures, and the visiting of engineering and other works of interest.
- 4

To establish, form and maintain a library and collection of models, designs, drawings, and other articles of interests.
- 5

To devote any portion of the Funds of the Association to the providing of prizes, medals or other distinction, and to award the same for essays, or inventions or research in engineering science or in subjects connected herewith.

Past Presidents

40s	1946	Mr. G.R. Percy	A.M.I.C.E
	1947	Mr. D.G. Mack	B.E., A.M.I.E (Aust.)
	1948	Mr. K. Nankivell	B.Sc., D.I.C, A.M.I.C.E
	1949	Mr. R.J. Hollise Bee	M.I.C.E, A.C.G.I., M.I.E. (Aust.) F.G.S., F.R.G.S.
50s	1950	Mr. K. Nankivell	B.Sc., D.I.C, A.M.I.C.E
	1951	Mr. F.G. Egerton	C.B.E., M.I.E.E.
	1952	Mr. J.Whyte	J.P., A.M.I.M.E.
	1953	Mr. E.L. Spooner Lillingston	B.A., Mech.Sc.(CANTAB) A.M.I.E.E.
	1954	Mr. C.G. Harrison	A.M.I.M.E., M.I.I.E., A.M.I.I.A.
	1955	Mr. J. Sharples	B.Sc., A.C.G.I., M.I.E.E.
	1956	Mr. K. Nankivell	B. Sc., D.I.C., A.M.I.C.E.
	1957	Mr. T.A.L. Concannon	F.S.A.F.R.I.B.A., T.P.I.
60s	1958/1959	Maj. W. Stubbs	J.M.N., C.B.E., M.C., M.I.E.
	1960	Tn.Hj. Mohd. Yatim Bin Yahya	
	1961/1962	Mr. Chan Peng Kheun	M.I.M.E., A.M.I.I.E.
	1963	Mr. Kok Swee Tuck	K.M.N., P.J.K, B. Surv.(Q’Land). A.I.S. (Aust) F.I.S. (F.M.)
	1964	Mr. Zahari Bin Hassan	P.J.K.
	1965/1966	Mr. Tan Soo Hai	P.J.K., B.A., M.C.D., Dip. L.D., A.M.T.P.I.
70s	1967/1968	Mr. V. Selvanayagam	A.M.N., M.T.A.M
	1969/1970	Mr. J.C. Mehra	B.Sc.(Eng), ELECT. & MECH., M.T.A.M
	1971/1972	Mr. F.L.Cowie	C.Eng., D.I.C.(P.H.Eng), M.I.C.E., M.I.MUN.E., F.R.S.H., M.I.E.(M), M.I.P.H.E., F.T.A.M.
	1972/1974	Mr. Tan Soo Hai	P.J.K., B.A., M.C.D., Dip. L.D., A.M.T.P.I., F.R.G.S., F.T.A.M.
	1975/1976	Mr. Kok Swee Tuck	K.M.N., P.J.K, B. Surv.(Q’Land). A.I.S. (Aust) F.I.S. (F.M.), F.T.A.M.
	1977/1978	Mr. S. Nadarajah	F.I.C.E., M.I.E.M., F.T.A.M.
80s	1979	Ir. Chang Choong Kong	B.Eng(Hons), M.Eng. Toronto, P.Eng, M.I.E.M., F.T.A.M.
	1980/1981	Mr. Khoo Ah Chai	F.T.A.M
	1982/1983	Mr. Tan Soo Hai	P.J.K., B.A., M.C.D., Dip. L.D., A.M.T.P.I., F.R.G.S., F.T.A.M.
	1984/1985	Ir. Choo Kok Beng	B.Sc., MIEM, FTAM, P.Eng.
	1986	Ir. Chang Choong Kong	B.Eng(Hons), M.Eng. Toronto, P.Eng, M.I.E.M., F.T.A.M.
	1987	Ir. Cheng Kim Hua	D.H.E., BE(Hons), A.C.M.A. (U.K), P.ENG., MIEM, C.ENG., M.I.C.E., M.I.E(Aust), F.T.A.M
	1988	Mr. Lim Koon Beng	DIP.ENG., MTAM.

Past Presidents

90s	1989/1990	Dr. Pretam Singh Dhillon	PCK, Dip. Eng. UTM'48, FTAM, Hon. FIET (UK) MSJET
	1991/1992	Ir. Yong Kee Chiang	B.E(Auck)., FIEM., MIES., P.ENG.(M)., P.ENG.(S)., FTAM., FIEEIE.
	1993/1994	Ir. Ooi Kah Huat	B.Sc., FIEM, FTAM., MBIM., MASCE., MIE.(Aust)., C.P.ENG., P.ENG (M).
	1995/1996	Ir. Hj. Mohd. Mazlan	Dip Mech.Eng., MSC.Eng., MBA., P.ENG., FIEM.,I.ENG., M.I.PLANT.E., FICE(M)., FTAM.
	1997/1998	Ir. William Yau Kam Kok	BASc. Chem.Eng., P.Eng., FTAM, MIEM, MSPE., MIQCM.
00s	1999/2000	Ir. Chan Choong Cheong	P.L.P., K.M.N., P.I.S., A.M.N., B.E.(Hons.), M.PHIL., F.I.E.M., M.I.C.E. C.ENG.,P.ENG., F.TAM.
	2001/2002	Ir. Chin Joo Negan	B.E.(HONS), FTAM MIEM MICE P.K.T., P.J.K.
	2003/2004	Prof. Ir. Dr. Ruslan Hassan	B.ENG, M.S., PH.D., DIS P.ENG., FIEM F.TAM, F.MSA F.ASCE
	2005/2006	Prof. Ir. Dr. Ruslan Hassan	B.ENG, M.S., PH.D., DIS P.ENG., FIEM F.TAM, F.MSA F.ASCE
	2006/2007	Prof. Ir. Dr. Ruslan Hassan	B.ENG, M.S., PH.D., DIS P.ENG., FIEM F.TAM, F.MSA F.ASCE
	2007/2008	Mr.Lee Siew Kee	PJK,PPN, Hon.F.TAM
10s	2009/2010	Mr. Lee Siew Kee	PJK,PPN, Hon.F.TAM
	2011/2012	Dato’ Ir. Fong Tian Yong	B.Eng, P.Eng., LFTAM, FIEM, ASEAN Eng.
	2013/2014	Dato’ Ir. Fong Tian Yong	B.Eng, P.Eng., LFTAM, FIEM, ASEAN Eng.
	2015/2016	Ir.Tang Heap Seng	PJK, B.Eng. (Hons) M.U., LFTAM,MIEM,P.Eng, ASEAN Eng.
	2017/2018	Ir.Tang Heap Seng	PJK, B.Eng. (Hons) M.U., LFTAM,MIEM,P.Eng, ASEAN Eng.
	2018/2019	Ir. Yam Teong Sian	Hon.MAFEO, B.Sc (Hons) (1st Class) FIEM, PEng, FTAM, MMIM, ApecEng IntPE(My), ACIArb, AseanEng.Tech. AseanCharteredPE, aff MASCE.
20s	2019/2020	Ts. Ir. Yam Teong Sian	Hon.MAFEO, B.Sc (Hons) (1st Class) FIEM, PEng, FTAM, MMIM, ApecEng IntPE(My), ACIArb, AseanEng.Tech. AseanCharteredPE, aff MASCE.

TAM Council

2017/2018

President Ir. Yam Teong Sian			Deputy President Ts. Tung Chee Kuan K.M.N		
Vice President Dato Prof. Ir.Dr. Mohamad Dali Bin Isa			Vice President Ts. Shum Wai Koon (Perak Chairman)		
Hon. Gen. Secretary Ms. Yap Cheng Hong			Hon. Gen. Treasurer Ir. Yap Soon Hoe		
Asst. Hon. Gen. Treasurer Mr. Joel Lim Soon Yeen (Selangor Chairman)			Hon. Editor Ts. Poo Teng Soo (Penang Chairman)		
Council Member & Exco Ir. Chong Chee Yen (N.Sembilan Chairman)			Council Member & Exco Mr. Chai Ming Foo, Chris		
Internal Auditor Ir. Tung Kwok Choon			Internal Auditor Mr. Ooi Kah Biew Mr. Joel Lim Soon Yeen		
Advisor & Trustee Ts. Ir. Choo Kok Beng			Trustees Tuan Haji Ir. Mohd Mazlan Bin Ismail Merican Ts. Ir. Ooi Kah Huat		
			Imm. Past President Ts. Ir. Tang Heap Seng PJK		
			Asst. Hon. Gen. Secretary Ts. Ong Seng Keong, Raymond		
			Hon. Librarian Ir. Ronnie Neo Hai Fun (Melaka Chairman)		
			Council Members Ir. Goh Say Keong, Simon (Sabah Chairman) Mr. Nam Choo Fak (Johor Chairman) Ts. Mr.Wong Nei Chin, Danie Ts. Pn. Zainah Binti Rujihan		

TAM Sub-Committees

2017/2018

Management & Finance

Ir. Tang Heap Seng
Ir. Yam Teong Sian
Mr. Ooi Kah Biew
Mr Tung Chee Kuan
Ms. Yap Cheng Hong, Maggie
Ir. Yap Soon Hoe

International Affairs

Ir. Yam Teong Sian

Membership

Mr. Tung Chee Kuan

Training

Dato Prof Ir. Dr Mohamad
Dali Bin Isa

Publication

Mr. Poo Teng Soo, Alex

Library/
Property Management

Mr. Ong Seng Keong, Raymond

Corporate Affairs / Publicity

Mr. Nam Choo Fak
Assoc Prof Dr Yagasena
a/I Appannah

Information Technology

Mr. Wong Nie Chin, Danie
Mr Shum Wai Koon, Steven
Mr Poo Teng Soo, Alex

Social Development
Programme/CSR

Mr. K. Kanaswaran
Ir. Ting Chek Choon

Busines Development

Ir. Yam Teong Sian

GST/Tax

Ir. Yap Soon Hoe
Mr Shum Wai Koon, Steven

TAM Branch
Committee
Officials

2017/2018

Johor

P.O Box 50
80904 Johor Bahru
Johor
T +6016 7781 595
F +607 331 2795
E tamjohor@yahoo.com

Chairman

Mr. Nam Choo Fak

Imm. Past Chairman

Ir. Chow Pun Weng

Vice Chairman

Mr. Ng Soo Ha
Tuan Hj. Abu Hassan bin Othman

Hon. Secretary

Ir. Loo Wai Chian

Hon. Treasurer

Mr. Chung Teik Shin

Committee Members

Mr. Goh Teck Hee

Mr. Lim Ah Lek

Mr. Lim Kit Ming

Ms Nam Pui Yee

Mr. Soon Teck Weng

Hon. Auditors

Ir. Chan Choong Cheong

Mr. Chin Ah Bah

Melaka

2, Jalan Malinja 2
Taman Malinja, Bukit Baru
75150 Malacca
T +606 284 8028

Chairman

Ir. Ronnie Neo Hai Fun

Imm. Past Chairman

Mr. Poh Ban Eng

Vice Chairman

En Hairul Yuzri Bin Majid

Ir. Sim Wooi Keat

Hon. Secretary

Ir. Lam Choon Kay

Hon. Treasurer

Ir. Ng Hsin Loon

Committee Members

Mr. Chong Kim Boon

Mr. Gan Yin Chien

Mr. Lim Boon Swee

En. Muhammad Hanif Bin Hanafiah

Adviser

Ts. Ir. Ooi Kah Huat

Hon. Auditors

Mr. See Hock Liong

Ir. Suresh Kumar A/L Ganesan

TAM Branch
Committee
Officials

2017/2018

Negeri Sembilan

NO. 1881 Wisma TAM
Jalan Tok Ungku
70100 Seremban
Negeri Sembilan
T +6012 363 2147
E tamnegerisembilan@gmail.com

Chairman	Ir. Chong Chee Yen
Imm. Past Chairman	Mr. Kanaswaran a/I Kanagaratnam
Vice Chairman	Ir. Adam Cham Chee Hoong
	Ts. Ong Seng Keong, Raymond
Hon. Secretary	Mr. Rabindra A/L Gandhi Thangarajoo
Hon. Treasurer	Mdm. Tham Sook Chan
Committee Members	Mr. S. Chokalingam a/I Suppiah
	Mr. Karnanethe a/I Ramasamy
	Ms. Soong Cai Juan
Hon. Auditors	Mr. Lee Ah Chai
	Ir. Tung Kwok Choon

Penang

c/o Intelligence
Technology Services S/B
560 & 562 Jalan
Sultan Azlan Shah
Sungai Nibong
11900 Penang
T +604 658 2658
F +604 658 4452
E tam.penang@yahoo.com

Chairman	Ts. Poo Teng Soo, Alex
Imm. Past Chairman	Ts. Wong Nei Chin, Danie
Vice Chairman	Ts. Soon Yin Lou
	Ir. Ting Chek Choon
Hon. Secretary	Mr. Balasubramaniam A/L Sanyasi
Hon. Treasurer	Ir. Dr. Lee Choo Yong
Committee Members	Mr. Chi Kien Hua
	Mr. Cheok Boh Ming
	Mr. Lee Wen Fu
	Mr. Ooi Beng Huat
	Mr. Ranjit Singh a/I Dhillon Singh
	Ts. Swee Shu Luong, Nikalus
	Ts. Tai See Chew
Hon. Auditors	Mr. Moy Fook Wah
	Mr. Khoo Boo Wooi

Branch
Committee
Officials

2017/2018

Perak

4, Jalan Charleton
Off. Jalan Tun Abdul Razak
30100 Ipoh, Perak
T +605 528 7168
F +605 526 7168

Chairman	Ts. Shum Wai Koon, Steven
Imm. Past Chairman	Ts. Ahmad Bakri Bin Abd. Ghaffar
Vice Chairman	Mdm. Ong Ling Fong, Rachel
	Mr. Lim Kok Nam
Hon. Secretary	Puan Zamzarina Binti Ishiak
Hon. Treasurer	Ts. Ahmad Bakri Bin Abd Ghaffar
Committee Members	Mr. Loo Kok Sum
	Cik Noorzita Binti Ngah Bidin
	Cik Norliyana Binti Shahaim
	Cik Norahah Binti Mohd Nazri
Hon. Auditors	Mr. Lee Chiew Wing
	Mr. Ooi Kah Biew
Advisor	Dr. Choong Chee Guan

Selangor

47-3 2F Jalan USJ 9/5P
Subang Business Centre
47620 UEP Subang Jaya
Selangor Darul Ehsan
T +603 802 47637
F +603 802 44182

Chairman	Mr. Joel Lim Soon Yeen
Imm. Past Chairman	Ts. Tung Chee Kuan
Vice Chairman	Mr. Lee Kuan Peng
	Ts. Liew Chee Leong
Hon. Secretary	Ms.Chong Yeng Yeng
Hon. Treasurer	Ts. Eng PohTeik
Committee Members	Ts. Lim Eng Hock
	Ts. Ramesh A/L Sabapathy
	Ts. Tan Foo Chong, Daniel
	Mr. Tan Tin Soon
	Mdm. Pan Mei Pao
	Puan Zainah Binti Rujihan
Hon. Auditors	Mr. Tan Tiow Chin
	Ms. Wong Sow Moy, Alice

TAM Branch
Committee
Officials

2017/2018

Sabah

No 16-1, Lot 72 1st Floor
Ruang Lintas Square 1
Block I Lintas Square, Luyang
88300 Kota Kinabalu, Sabah
T +6088 313212, 420405
F +6088 313213, 429042

Chairman	Ts. Ir. Goh Say Keong, Simon
Imm. Past Chairman	Ir. Wong Tze Cheong @ Thomas
Vice Chairman	Ir. Lee Wai Ling
	Mr. Tan Heng Ah
Hon. Secretary	Mr. Chung Jia Jiunn, David
Hon. Treasurer	Ir. Wong Thien Pin
Committee Members	Mr. Neoh Chee Seong
	Mr. Ong Keng Hwa
	Ir. Sham Chee Kin
	Ir. Dr. Yan Ngai Nen, Jacob
	Mr. William Tong
Hon. Auditors	Ms. Wang Sheng Mei, Beatrice
	Mr. Kwan Tet Han, Kenny



FROM PAST TO PRESENT

A look back at TAM
over the decades since its
establishment

Formative Years

A Brief History of TAM

The Technological Association Malaysia, also known as TAM, was founded on 15th April 1946. It is the oldest civil working society in the country; and the forerunner of all engineering and allied professional institutions. TAM is also the first professional institution to have its own building. Throughout its long history, TAM has been promoting the public understanding of science, technology and engineering practices for public as well as technical persons of all grades of disciplines — from technicians/skilled craftsmen, semi-professionals to professionals, across technical assistants, scientists, technologists and engineers.

TAM has its historical roots entwined with the introduction of science and technological education in the country, with its senior members mainly from technical departments. The foundation of the present Technological Association Malaysia can be said to have been laid with the Public Works Departmental School, known as the Teacher School, which opened in October 1925 in Brickfields Road Kuala Lumpur. It was also during this time that the government of the Federated Malay States launched a new Technical Assistant scheme. This departmental school was attended by Technical Apprentices from the Public Works Department (PWD), the Federated Malay States Railways (FMSR), Way and Works Department and the Signal and Telegraph Department.

It was later joined by the Post and Telegraph Department (1946), Central Electricity Board (1949) and the FMSR Mechanical Department with mono technique classes. At its peak, instruction and training were given to technical apprentices in no less than four centres in Kuala Lumpur.

The 1927, the Coale's Committee, headed by Mr. Coales, Mr. Watson and Mr. Adorle, recommended for the establishment of the United Technical School to train technical personnel (engineering assistants) not only for government departments, but also for the private engineering sector. Thus in 1930, the Unified Technical School was transferred from Brickfields to the old building that was vacated by Victoria Institution in High Street Kuala Lumpur, and named the Government Technical School. Graduates from this school increased year after year, and as a result, the founding of an association for its graduates began to take shape.

In 1932, through the initiative and leadership of Mr H.T.M Kent, principal of the Technical School, the Malayan Technical Association was formed to enable graduates of the school to meet and discuss matters of common technical interest. Though this association was short lived, it laid the foundation for a future technical association.

Later, Mr. J.S. Bossier, a former Principal of Technical School, was transferred to the Public Works Department Perak. Through his initiative, the Perak Technical Association was formed in 1935. Taking cue, the Selangor Technical Association was formed in 1937, and this too was inspired by Mr. H.T.M Kent. At that time, V. Selvanayagam was elected as Hon. Secretary and Mr. H.T.M Kent was elected as President. Both associations were actively promoting practices and knowledge of engineering amongst technically qualified staff of government and commercial concerns during the pre-war period. During the Japanese Occupation (1941-1945), both associations became dormant and ceased to exist. After the Japanese surrender in 1945, the idea of setting up a Pan-Malayan Technical body started to take root among the older members of these defunct associations.

Sometime in September 1945, Mr. V. Selvanayagam convened a meeting with representatives of various technical government departments and firms to consider forming a technical association that would serve the whole of Malaya and Singapore. This idea received widespread support, and an organising committee was immediately set up with Mr. G. Leo as chairman and Mr. V. Selvanayagam himself as Hon. Secretary. Under the new set up, the association was to have its headquarters in Kuala Lumpur with branches in various states of the country.

The first annual conference of the Technical Association of Malaya in 1947, with its first Patron Sir Edward Gent



¹
This is the very first name of the association formed in 1946

²
Associate Member Institution of Civil Engineers

The inaugural meeting of the Technical Association of Malaya¹ took place in Kuala Lumpur on 15th April 1946. The names of the thirty founder members are enshrined in the Constitution of our Association. Mr. G.R. Percy, A.M.I.C.E.² (also a founding member), then the Deputy Director of the Public Works Department, was elected as President. He was followed in later years by other professional men, each either a government head of department, head of a statutory body, or head of a commercial organization.

From its founding in 1946 until 1959, the association’s presidents were all professional expatriates. In 1960, Tuan Haji Yatim B. Yahya, who was a Surveyor General, became the first Malaysian to be elected as the association’s 15th President. All Presidents from then on have been Malaysian. The roll of past Presidents include Civil Engineers, Electrical Engineers, Mechanical Engineers, Architects, Land Surveyors, Town Planners and Railway & Telecommunication Technologists.

In 1963, the name of the country was changed to Malaysia with the entry of Sabah and Sarawak. The association was thus renamed as the Technical Association Malaysia. In 1965, the Association acquired its own building (at a cost of around \$50,000) through the concerted efforts of every member of the Association, and through the generosity of well-wishers. The TAM building was officially declared open on 28th August 1965 by the then Honorable Deputy Prime Minister, the Late Y.A.B. Tun Abdul Razak Bin Dato’ Hussien.

In that same year, Singapore broke away from Malaysia, and as a result, the Singapore branch was separately registered in Singapore. The name of the Association became Technical Association Malaysia and Singapore from 1968 to 1969. Due to a lack of participation from Singapore, the name was amended back to the Technical Association of Malaysia in 1970.

In 1974, in agreemend of the council and then President Mr. F. L Cowie, the name of Association was changed to the Technological Association of Malaysia, in order to reflect the multi-professional membership. The importance and progress of science and industry was emphasised with the change of the word ‘technical’ to ‘technological’. In 2012, to reconcile the abbreviated use of TAM, the association again changed its name to its present-day name, the Technological Association Malaysia.

1965

The Tam New Headquarters Building

Rit, sitiis rerferi aspietur aut dolupisi ducita in nes evenimetur aut quas volland ellore oditisto bearchicabo.

<pic>

At last the Technical Association of Malaysia has put up its own building. The years of work and planning have now borne fruit. The Deputy Prime Minister Tun Abdul Razak declared open the Building on 28th August 1965. In his speech the Deputy Prime Minister said that it was more than a coincidence that the invitation by the TAM to launch new building coincides with the moment he was looking at the First Malaysia Fiver Year Plan. This augurs well, the DPM said because the success of the Five Year Plan depends very much on the technical and human resources we have at our disposal.

The DPM was confident that the members of the TAM, comprising as it does technical men from all the different professions of engineering, architecture, surveying, town planning, agriculture and forestry, will have a great part to play. He only asked that henceforth economy of design be the guiding principle to aim for in all our work. This seems an appropriate call especially when one considers that 18millin was spent on Parliament House, 15million on the National Mosque and 50million on the new Subang Airport.

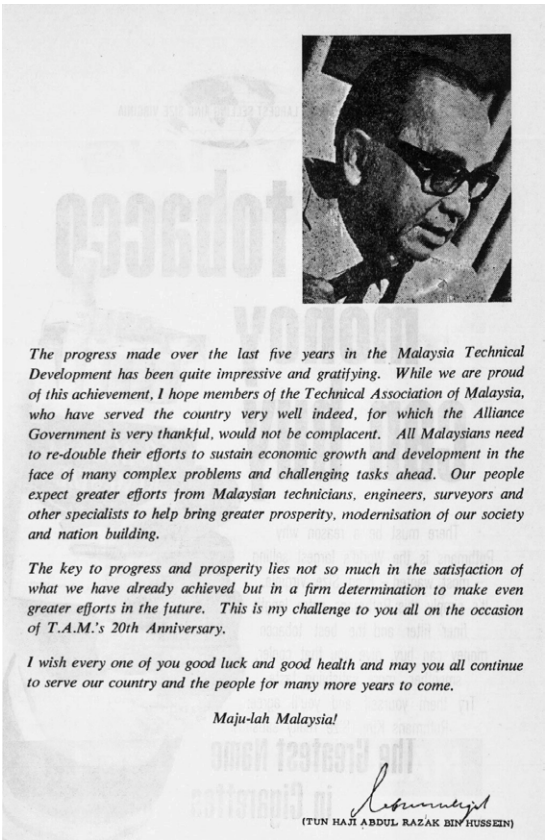
There is no doubt that we must learn to improvise and be more aware of local conditions, the Tun added. This is sound advice again and members of the TAM are exhorted to remember this. There is a tendency amongst us especially the architects, town planners and engineers to reproduce blindly what was learnt overseas. A great deal of foreign practices and theories are not applicable to this country. In the field of architecture for instance, the climate of Malaysia is a humid one – very different from the temperate or cold climate of England, America or Australia in which most of our architects are trained. So also are the ways of life of the peoples, Malays, Chinese and Indians have dissimilar living habits and custom altogether forming a rich variety of cultural patterns. This wonderful diversity existing harmoniously side by side surely presents endless stimulation and opportunities to our architects. Again, in the field of town planning the Garden City idea of the English with its negative concept of the Green Belt and density control, is open to question in the Malaysian context.

Let members of the TAM therefore show the way, and in doing so, strike a blow for a Malaysian contribution to the total technological knowledge of the world. Time and results have proved that those who doubted us were wrong, and Ladies and Gentlemen, I am glad, and proud, to say that throughout the length and breadth of our country, wherever you go, you will see, mile after mile as you travel, new schools, new water-works, new road-works, new electricity supplies, new buildings of all sizes, shapes and uses and many hundred of other projects completed by the technical and professional skill of many Malaysians.

All these projects, planned and designed for the benefit of our people, are in fact a tribute, a tremendous tribute to the technical capacity of our country, a capacity which had been growing from strength since we gained Independence in 1957.

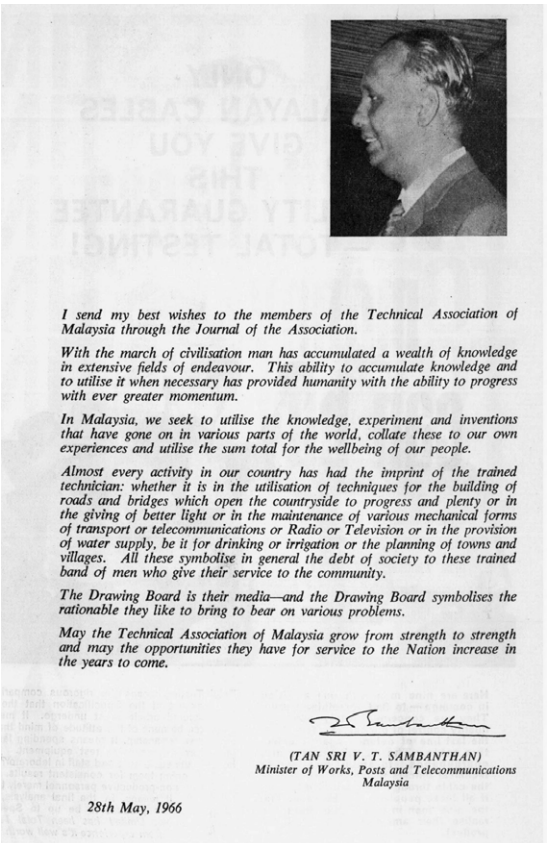
1965

Rit, sitiis rerferi aspietur aut dolupisi ducita in nes evenimetur aut quas volland ellore oditisto bearchic-abo. qqaaa que omnia con naturibea endae velecaborum sequis comnihillendant a quasimil id quidis audisquat la.



1966

Rit, sitiis rerferi aspietur aut dolupisi ducita in nes evenimetur aut quas volland ellore oditisto bearchic-abo. Mus que omnia con naturibea endae velecaborum sequis comnihillendant a quasimil id quidis audisquat la.



1996

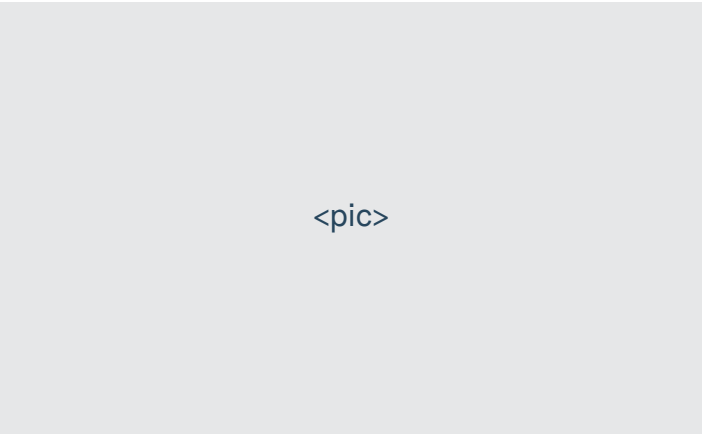
History of
TAM Sabah’s
Formation

TAM (SABAH) was established in January 1996 with formation of its Pro-Temp Committee headed by Ir Simon S K Goh in 1994. The TAM President then, Ir. Ooi Kah Huat, introduced the idea of TAM (Sabah) to Ir Simon S K. Goh as a melting pot for technologists from different fields of work to provide forum for discussion, evaluation of technical issues and advances. Towards achieving this aim, TAM (Sabah) through its Pro-Temp Committee started to introduce TAM (Sabah) to individual private sectors, colleges, and head of government bodies such as the Public Works Department and Department of Drainage and Irrigation. Through the above publicity, TAM (Sabah) managed to form its first executive committee on the 13th July 1996 which was attended by 25 participants.

The three (3) Past Presidents of TAM who attended the Annual General Meeting were Ir. Hj. Mohd Mazlan, Ir.Ooi Kah Huat and Ir Choo Kok Beng. In conjunction with the first Annual General Meeting, Ir. Choo Kok Beng presented a short talk on “High Performance Concrete with Emphasis on Durability” which thoroughly benefited the practicing engineers, technicians and contractors who were present.

Since its first inception in 1996, TAM (Sabah) has 50 registered members from various disciplines and professions such as professional engineers, contractors, surveyors, technicians, draftsman, electricians, mechanics and students.

The TAM (Sabah) hopes to recruit more members in coming years especially technologists from public sectors such as Jabatan Kerja Raya, Drainage Irrigation Department and also student members from the newly established University Malaysia Sabah. The newly formed committee also hopes to be able to organise activities that will bring about a greater awareness in education, innovative design, new technical products, training for technicians of all disciplines and fellowship among the technologists.

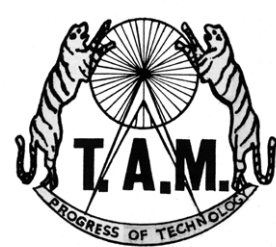


*Rit, sitiis rerferi
aspietur aut dolupisi
ducita in nes*

1940s –



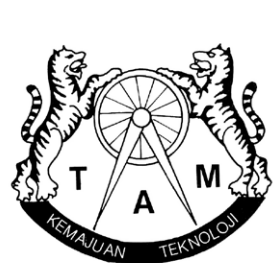
1970s –



1960s –



1980s –



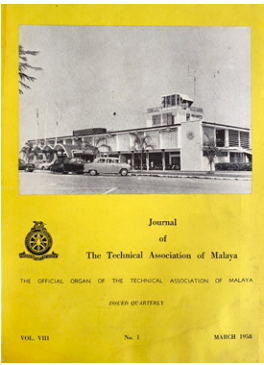
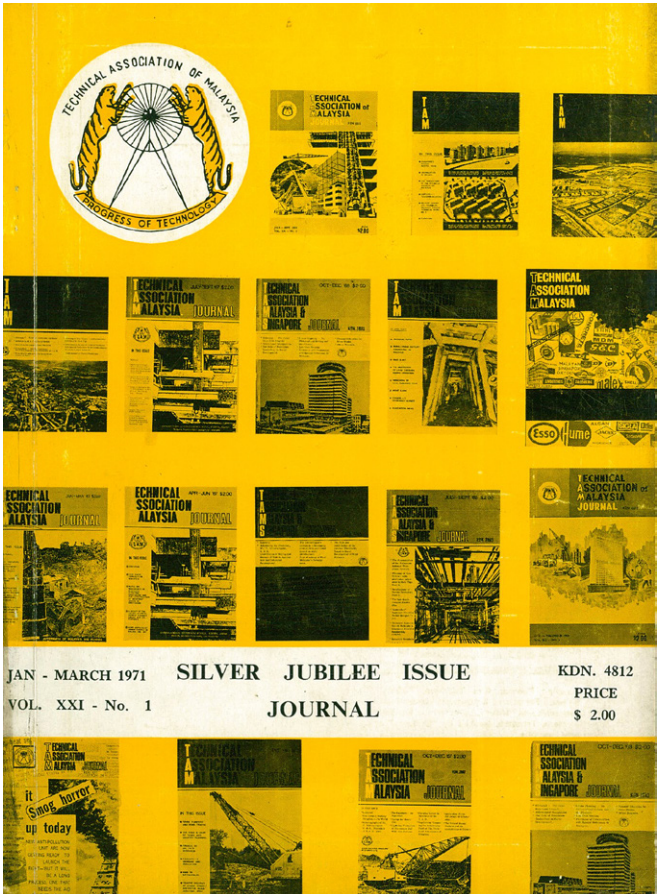
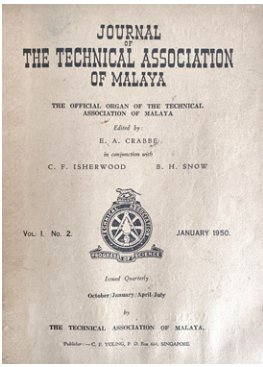
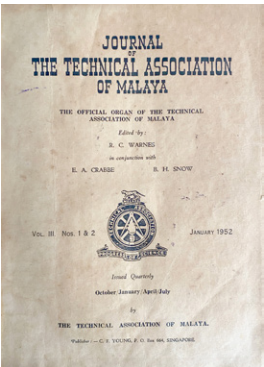
1990s –



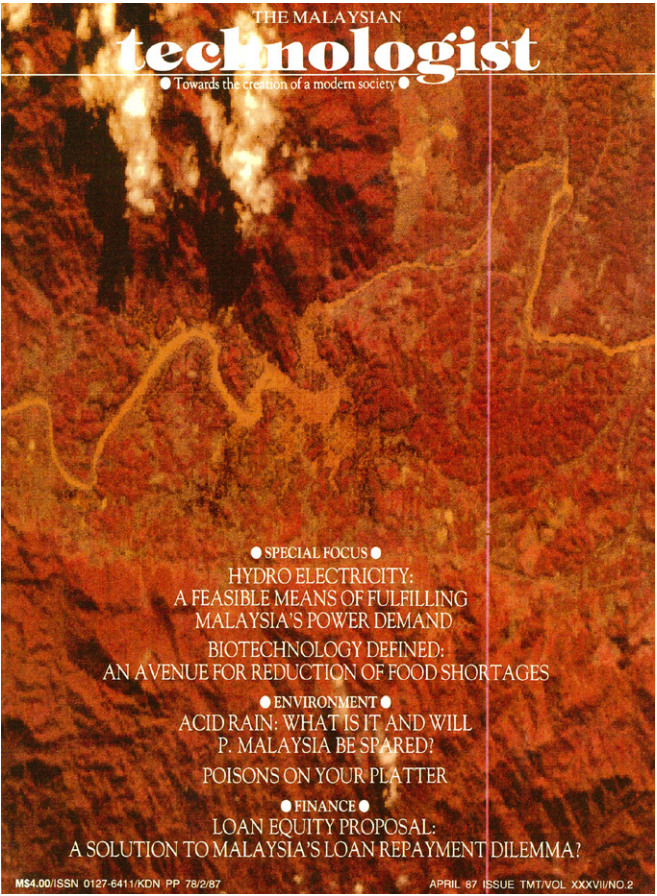
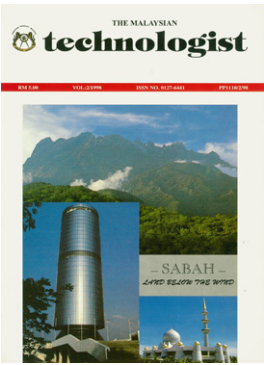
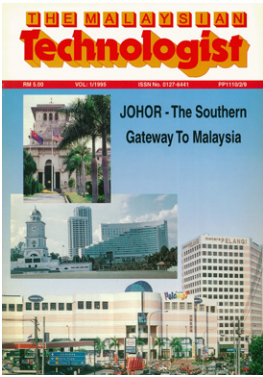
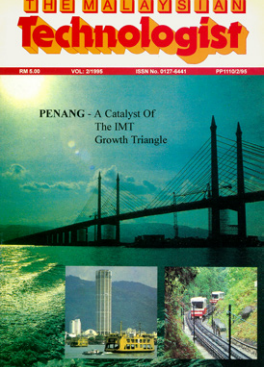
(FOUNDED 1946)

TAM Publication

TAM has been publishing it's organ since it's founding in the 1940's. Amongst the various incarnations were the Journal of the Technological Association Malaysia, the Technical Association Malaysia Journal, and the Malaysian Technologist.



TAM Publication



AFFILIATIONS

AFFILIATIONS

Malaysian Board of Technologists (MBOT)



The establishment of the Malaysia Board of Technologists (MBOT) in line with other professional bodies in Malaysia came about with the enactment of the Technologists and Technicians Act 2015 (Act 768). MBOT is responsible for the registration of graduate technologists and qualified technicians as well as to recognise professional technologists and certified technicians. MBOT promotes education and professional training in the related technology and technical fields. MBOT recognises technological careers and empowering technical and vocational education and training (TVET). MBOT will strive to be a signatory to international accords in the field of technology and technical to ensure the technologists and technicians produced in the country meet the international standards and ability to compete globally.



<p>Vision</p> <p>To be a world class professional body for technologists and technicians ABOUT MBOT</p>	<p>Objectives</p> <p>1 To elevate the standing and recognition of technologists and technicians</p> <p>2 To increase the pool of skilled workforce required to attain a high income economy</p> <p>3 To protect public safety and health</p>	<p>Who should Register?</p> <p><u>Graduate Technologists</u> Hold a bachelor’s degree recognised by the Board</p> <p><u>Professional Technologists</u> Graduate Technologist with practical experience as stipulated by the Board</p> <p><u>Qualified Technicians</u> Holds a certificate qualification recognised by the Board</p> <p><u>Certified Technicians</u> Qualified Technician with practical experience, as stipulated by the Board</p>
--	---	---

An Interview with the President of MBOT, Tan Sri Dato’Academician (Dr.) Ir. HjAhmad Zaidee bin Laidin.

By Dr. Eida Nadirah

The importance of MBOT and the role it is going to play in strengthening the technology sector in Malaysia

Why is it important to establish MBOT in Malaysia?

The starting point for the establishment of MBOT was the Economic Transformation Programme (ETP), an initiative by the Malaysian government to turn Malaysia into a high income nation by the year 2020. According to a study done by the Organisation for Economic Cooperation and Development (OECD), in 2010, only 10% of students were enrolled in upper-level secondary technical and vocational education.

In OECD countries, the average enrolment rate was 44% (EPU,2010). Therefore, there was a clear need to increase TVET enrolment rates in Malaysia. Looking at this situation, the idea of setting up MBOT was first put forward during the 10th Malaysia Plan. MBOT provides the platform for technology and technical graduates to be recognised once they enter the workforce. MBOT’s mission is to elevate the standing, visibility and recognition of technologists and technicians in Malaysia. It uses the Canadian Council of Technician and Technologist as its reference, with some measure of adaptation to suit our local requirements.

Why is it important to establish MBOT in Malaysia?

The starting point for the establishment of MBOT was the Economic Transformation Programme (ETP), an initiative by the Malaysian government to turn Malaysia into a high income nation by the year 2020. According to a study done by the Organisation for Economic Cooperation and Development (OECD), in 2010, only 10% of students were enrolled in upper-level secondary technical and vocational education.

In OECD countries, the average enrolment rate was 44% (EPU,2010). Therefore, there was a clear need to increase TVET enrolment rates in Malaysia. Looking at this situation, the idea of setting up MBOT was first put forward during the 10th Malaysia Plan. MBOT provides the platform for technology and technical graduates to be recognised once they enter the workforce. MBOT’s mission is to elevate the standing, visibility and recognition of technologists and technicians in Malaysia. It uses the Canadian Council of Technician and Technologist as its reference, with some measure of adaptation to suit our local requirements.

In the 10th Malaysia Plan, the development of TVET was identified as an important agenda to transform our nation into a developed country. In your opinion, what are the roles of MBOT in supporting this agenda?

TVET has been identified as one of the critical enablers in the success of our Economic Transformation Programme (ETP). MBOT is to inculcate the philosophy of creating highly-skilled technologists and acknowledging their importance. It should be able to lead in supporting this agenda by examining our current status, and benchmarking it against other successful OECD nations.

As it is, many of our domestic investments are into infrastructure building. The successful completion of projects depends not only on the capability of the engineers involved, but also on the many workers who have high TVET skills. TVET encompasses many small jobs that contribute to major technological advancements. Developing show competencies through involvement with mega projects has been the key for Malaysia in advancing its workforce.

What are the pertinent issues and important challenges in developing MBOT?

The biggest challenge is to change people’s mindset towards acknowledging TVET as a highly regarded profession. The performance of MBOT lies in its ability to protect and safeguard technicians and technologists. Besides, MBOT must also acknowledge three crucial areas, namely salary levels, specific roles and reward & recognition.

What is the expected impact in Malaysia’s development with presence of MBOT in empowering technologists to a new level?

The collective concern of MBOT is in determining a ‘fair rate’ on performed jobs, at a certain quality level, of a certain job function. The higher the level of skills needed, the higher the compensation needs to be. The recognition must be linked to a fair reward system, so as to create sustainable drive and motivation. Ensuring that we are continually relevant is important. MBOT must continue to identify which areas of technology are growing and which ones are phasing out. Technologists and technicians of the future are going to need a range of skills and the ability to adapt. Indeed, we do not know what technology we will be using in the future.

Can you describe the first major initiative to be executed once MBOT starts functioning?

The first initiative is to create a buzz and to publicise MBOT’s founding. The public must be made to know of its existence, what it is here to do and which direction it is heading. It is vital to start at the grass root level and to build a strong foundation about its purposes, aims and aspirations.

As President of MBOI what are your aspirations and visions towards producing high skilled, capable and world-class technologists in Malaysia?

First, we need to understand where we are and to benchmark ourselves against other countries. Second, we need to look at our regional competitors. For instance, we should look into how other ASEAN countries are doing and see where we stand in relation to them.

Then, M BOT has to consolidate crucial information and the necessary knowhow to develop good technologists. It is essential to cover the whole aspect of developing technologies in Malaysia and to match them with the necessary skills needed. The establishment of MBOT is important because it fills up the void present in the nation’s professional structure. MBOT regulates this specialisation and knowledges the status of TVET, just like any other professional fields. . TVET should be represented by its own board. The talent mobility of TVET graduates is crucial, in that they should be given opportunities to move upwards from the bottom. Exposure to technological and technical areas should start at the school level. The aim is to have competent technologists produced locally, but with acclaimed international recognition. The technologists produced should be able to work anywhere in the world with the necessary skills garnered through world-class TVET education programmes.

Tan Sri Dato’ Academician (Dr) Ir HjAhmad Zaidee bin Laidin FASc was appointed as president of MBOT on 18th November 2015 by the Minister of Science, Technology and Innovation. He is also Fellow (FASc) of Akademi Sains Malaysia (ASM). He was the first Vice-Chancellor of UTM in 1999.

Aviation Working Group (AWG) Synergy with MBOT



By Ts Ricky Liew
Chee Leong,
Head of Aviation
Working Group

Who would have thought that one of the great inventors for mankind, the Wright brothers who invented, build, and flew the world’s first successful airplane were actually highly skilled bicycle mechanics in Ohio, United States of America. Their concepts expanded and created modern aircrafts that brought great convenience to mankind, travelling across continents around the world. Their mechanical skills as a bicycle mechanics was one of the key skills that made that first successful airplane flight a reality on 17th December 1903. It shows the importance of technical skill possessed either as a technician or technologist in bringing benefits to mankind. This fact is still true till today in the aerospace and aviation technology field in the world today.

Absence of Professional Recognition during the Early Days

Unfortunately, in the earlier days, there was an absence of a statutory professional body in Malaysia to recognize these aviation technically skilled professionals. Practicing lawyers are registered and certified by the Bar Council (BC) Malaysia, practicing doctors are registered and certified by Malaysian Medical Council (MMC), practicing accountants are registered and certified by Malaysia Institute of Accountants (MIA), etc. It was not until 2015 that there was a law being enacted to recognize the technician and technologist which lead to the establishment of the Malaysian Board of Technologist (MBOT) under Malaysian Law of Act 768. Even then, there was lack of representation of the aviation technically skilled personnel especially the maintenance, repair and overhaul (MRO) professionals for their recognition at MBOT.

Technological Association Malaysia (TAM) Initiative

The first learned society in Malaysia that accepted these aircraft maintenance professionals, particularly from the maintenance, repair and overhaul (MRO) sector was TAM. These included the licensed aircraft maintenance engineers (LAME) and the aircraft maintenance technician. Recognizing the unique technical based professionalism of the aviation technical personnel, the then President (Ts. Ir. Tang Heap Seng) and Past President (Ts. Ir. Choo Kok Beng) presented a TAM member application to MBOT in September 2017. There were challenges in showing the equivalency of an aircraft maintenance engineer license qualification to a conventional degree qualification. While there were documents and precedence indicating the equivalency to a degree qualification, it was still something new to MBOT. However, everyone understood that to obtain an aircraft maintenance engineer license from the Civil Aviation Authority Malaysia (CAAM), an individual must go through the very stringent process of learning, training and examination procedures complying with International Civil Aviation Organization (ICAO) requirements. This process itself is very tough and may also be very lengthy process. After reviewing the details of the case, MBOT concluded that aircraft maintenance license holder fits well into the technical personnel that is governed by MBOT. This was the first breakthrough in the history for the Malaysian LAMEs recognition through the great effort of TAM.

The Beginning of TAM Aviation Working Group

The acceptance of the LAMEs qualification by MBOT in September 2017, also marked the first recognition of the aircraft maintenance professional in Malaysia. Since the Malayan Singapore Airways (MSA) era in the 1970s, this has never happened before. The technical professionals in the MRO industry owe this recognition very much to TAM’s effort. As the recognition news began to spread many more LAMEs joined TAM. From then onwards, more and more aviation technical based professionals and students joined TAM. To date, there are more than 400 aviation technical background members in TAM making it one of the biggest group in a learned society. This sets the beginning of a new era in TAM with its Aviation Working Group (AWG) working collaboratively with MBOT to open its doors for the professionals from the Aerospace and Aviation Technology (AV) industry in Malaysia.

The Milestones Leading to TAM AWG Synergizing with MBOT

After the success of the two TAM Past Presidents initial effort at MBOT to recognize the LAMEs, the current leadership of TAM President Ir. Yam Teong-Sian and Deputy President Ts Tung Chee Kuan immediately set the next stage of building up the aviation members to a higher level to support the mission of MBOT which is also the mission of TAM coherently. On 22nd August 2018, Ir Yam Teong-Sian, Ts. Ir. Choo Kok Beng (also TAM’s advisor) and Ts Ricky Liew Chee Leong met up to discuss on how to move the aviation members forward in-line with TAM and MBOT’s mission. Both Ts. Ir. Choo Kok Beng and Ir. Yam Teong-Sian gave the blessing to proceed and concluded that the TAM aviation members may be grouped and is to be set up as TAM Aviation Working Group (AWG). TAM AWG is to be an independent group within TAM reporting directly to the President and Council. Subsequently, TAM AWG and MBOT synergized with each other to carry out the great cause of recognizing the technicians and technologist in Malaysia especially in the AV field.

The Future of TAM AWG

It is clear that the synergizing of TAM AWG and MBOT will drive the recognition of even more AV professionals in Malaysia. Though this recognition is still new to many organizations as well as individuals, TAM AWG has attracted more and more AV background individuals from the industry and the academic institutions. MBOT also constantly consulted TAM AWG on AV professionalism and practice matters. TAM and MBOT together will help to achieve the nation’s aspiration of becoming an industry 4.0 nation gradually.

AWG Milestones

4.9.2017	Submission of the first licensed aircraft maintenance engineer (LAME) application to be graduate and professional technologist to MBOT through TAM Selangor. First case of LAME application for professional recognition in Malaysia by a professional statutory body.	14.8.2018 –15.8.2018	MBOT and TAM set up a booth and participated in MyAero and MARA-NAICO Symposium at MITI. Successfully promoted MBOT and TAM to the aviation fraternity.
5.10.2017	Received notification from MBOT that the first LAME application had been approved by MBOT. First LAME in the history of Malaysia to be accepted and certified as Professional Technologist.	17.8.2018	All 12 AV professional technologist agreed to be nominated as AV Assessors on behalf of TAM. This will be the first batch of AV assessors on behalf of TAM conducting professional assessment for MBOT.
28.10.2017	Met the first batch of LAMEs to share the news that LAMEs had received professional recognition by MBOT. More TAM LAMEs submitted to MBOT.	18.8.2018	Completed drafting of TAM SOP for AV assessment of individual for professional certification. Submitted to TAM President and Deputy President for review.
7.4.2018	TAM 71st Annual Dinner at Kota Permai Golf Club. Tan Sri Dato’ Academician (Dr.) Ts. Ahmad Zaidée Laidin and MBOT team attended the dinner. MBOT announced to work closely with TAM in recognizing the technological based professionals. TAM’s theme “Championing Technological Competency and Recognition” became synonymous with MBOT’s mission.	22.8.2018	TAM President presented the SOP document to TAM Advisor Ts Ir Choo Kok Beng for review. The SOP was acceptable. President Ir. Yam instructed that the aviation members is to be grouped within TAM under a new group identified as Aviation Working Group (AWG).
4.5.2018—6.5.2018	TAM invited by MBOT to participate in Strategic Field Technological Optimization Workshop at WP Hotel Kuala Lumpur. TAM was represented by Ts Ricky Liew and was grouped into the Aerospace and Aviation Technology (AV) Field during the workshop to provide AV inputs for MBOT as reference.	4.9.2018	TAM President, Deputy President, Honorary Secretary (Miss Maggie Yap), secretariat (Cik Aidah) and 5 TAM AV assessors met up at MBOT in Cyberjaya. TAM presented AWG’s role and its SOP to MBOT. Well accepted by MBOT.
21.5.2018	TAM President Ir Yam Teong-Sian met the Head of National Aerospace Coordinating Office (NAICO, MITI) Ts Shamsul Abu Kamar with the intention of collaboration due to the aviation professional strength in TAM.	23.9.2018	TAM Exco and Council at its meeting officially announced the formation of TAM Aviation Working Group and endorsed it to be led by Ts Ricky Liew initially.
29.7.2018	TAM received invitation from NAICO to participate in MyAero Symposium and MARA-NAICO International Aerospace Symposium 2018 on 14th and 15th August 2018.	24.9.2018	MBOT and TAM were on stage as panel for town hall forum session to discuss with the public on the subject of “TVET Ke Arah IR4.0”. TAM officially received MoU from MBOT to be a Technical Expert Panel for all technological fields in MBOT.
6.8.2018	MBOT and TAM agreed to jointly set up a booth to promote TAM and MBOT during the MyAero and MARA-NAICO Symposium at MITI.	19.10.2018—21.10.2018	TAM AV Assessors (Ts Joel Lim, Ts Ramesh and Ts Ricky Liew) was invited by MBOT to attend workshop to establish the Professional Assessment Structure and Questions. Workshop successfully generated the initial questions set for the aviation MRO personnel.
12.8.2018	Ts Ricky Liew initial discussion with TAM President Ir Yam Teong-Sian on how the aviation background members should support TAM and especially championing the AV technological field recognition. Drafting of TAM standard operating procedure (SOP) for AV professional assessment on behalf of MBOT was being initiated. Reviewed TAM members who were AV Professional Technologist (Ts.) and had more than 15 years of experience to be nominated as AV assessors on behalf of TAM for MBOT. Total of 12 AV Ts nominated.	22.11.2018	Received request to conduct the first professional assessment of MBOT AV applicants under TAM.
13 Aug 2018	TAM received invitation by MBOT to be a panel for a forum entitled “TVET Ke Arah IR 4.0” at a town hall session. TAM forum panel was represented by AWG Ts Ricky Liew. The other panels were MBOT and Jabatan Pembangunan Kemahiran (JPK) representative. TAM was also being invited to sign a memorandum of understanding (MoU) with MBOT ceremony as a Technical Expert Panel (TEP). The forum and ceremony was a success.	23.11.2018	TAM successfully conducted the first professional assessment for AV applicants for MBOT through Skype interview.
		25.11.2018	Universiti Tun Hussein Onn Malaysia (UTHM), MBOT and TAM AWG successfully conducted a forum at UTHM with the focus on aviation industry and professionalism.
		19.12.2018	TAM successfully conducted the second professional assessment for AV applicants for MBOT through Skype interview.
		20.12.2018	Universiti Teknologi Malaysia (UTM), MBOT and TAM AWG successfully conducted a forum at Senate Hall, UTM Skudai with the focus “Kepentingan Professional dan Kemajuan Kerjaya”.
		11.1.2019	TAM received the third request from MBOT to conduct the third professional assessment of MBOT AV applicants.



Yam Teong Sian
2019-present



Yam Teong Sian is currently the President of the Technological Association Malaysia (TAM) and was elected to hold office since 2019. He graduated from Kingston Polytechnic, UK with a Bachelor of Science (Hons) in Civil Engineering (CNAA) and worked for an engineering consultancy practice in London before returning to Malaysia.

He joined the Drainage and Irrigation Department and was involved in engineering designs of major drainage, irrigation and flood control projects. He subsequently joined the construction industry and was responsible for construction and project implementation of large infrastructure and building projects. As an entrepreneur, he ventured into the construction of civil and building projects in the oil and gas industries, and eventually ventured into property development and project management.

Yam Teong Sian has been active in professional society advocacy, having been the Honorary Secretary of the Graduate Student Section of the Institution of Engineers Malaysia (IEM) when he was a young engineer some 30 years ago. He subsequently served as Honorary Secretary of IEM in 2014 and was deeply involved in the many standing committees and technical divisions of IEM. Presently a council member, he was elected to serve as a member of the Executive Committee.

He had been involved in professional activities with the Department of Standards, Malaysian Productivity Corporation, Investigation Committee Board of Engineers Malaysia, Professional Practice Committee Board of Engineers Malaysia, EAC Council Member, ETAC Council Member, CIDB Judging Panel, FIABCCI Judging Panel, AFEO EXCO and AFEO Honorary Treasurer. His service to institutions of higher learning as a member of the Industry Advisory Panel for Universiti Tunku Abdul Rahman (UTAR), MAHSA University and Polytechnic Banting in providing guidance and direction to young engineers of the country, is close to his heart..

The setting up of the Malaysian Board of Technologists (MBOT) under the Technologists and Technicians ACT (ACT 768) to upskill and professionalise technicians, allied scientific practitioners and technologists could not have come at a better time. TAM, being the oldest technical society in Malaysia has become all the more relevant in its role. He has been appointed as board member of MBOT, serving as the Chairman of Training, Quality & CPD Working Committee and Committee Member of the Education & Qualification Working Committee.

Yam Teong Sian had set up the TAM Working Groups (WG) in aviation/aerospace technology, building and construction technology and green technology to professionalise members to become professional technologists and certified technicians. The good work done by TAM WG deserves mention, as TAM has been appointed the Technology Expert Panel for MBOT, to conduct professional assessments on behalf of MBOT.

Yam Teong Sian is professional engineer, professional technologist, and Fellow of the Institution of Engineers Malaysia and Technological Association Malaysia. He is also a member of ASEAN Engineer, ASEAN Engineering Technologists, APEC Engineer, ASEAN Chartered Professional Engineer and International Professional Engineer (Malaysia), Fellow of Asian Academy of Engineering & Technology, affiliate member of American Society Civil Engineer, and associate member of Chartered Institute of Arbitrators. In 2018, he was awarded Honorary Fellow by the ASEAN Federation of Engineering Organisation.

Past TAM President

Choo Kok Beng (1984-1985)



Choo Kok Beng served as TAM President from 1984 to 1985. He received his early technical education in the Technical College of KL and subsequently went to the United Kingdom to pursue a degree in civil engineering from the University of Aberdeen. He spent the early part of his career in the Drainage and Irrigation Department of the Ministry of Agriculture as a civil engineer involved with large water management projects in Johor.

His entrepreneurial flair led him to join the construction industry where he developed his expertise in concrete, culminating to the founding of the Vertitech Group, which specialises in the diagnostic, appraisal and rehabilitation of concrete buildings and structures. Today, the company still plays an active and vital role in the maintenance of public and private assets.

Ts. Choo has been an active member of civil societies for more than 35 years, having also served as President of the Institution of Engineers Malaysia (IEM), President of the Malaysian Services Providers Confederation, Secretary General of the ASEAN Academy of Engineering and Technology (AAET), Secretary General of ASEAN Federation of Engineering Organisation (AFEO) and Fellow of the Academy of Science Malaysia.

He is also a Founding Member and Secretary General of the Academy of Engineering and Technology for the Developing World (AETDEW) and Engineering Advisor to the International Science Technology and Innovation Centre (ISTIC), a Category Two organisation under UNESCO.

A strong advocate of Technical Vocational Education & Training (TVET), Ts. Choo currently chairs the Education & Qualification Working Committee of the Malaysia Board of Technologists (MBOT), where he is also a founding board member. A member of the National Productivity Council, alternate member of the Malaysian Standards and Accreditation Council, board and member of the Malaysian Highway Authority, he was appointed Country Champion for the Professional Services Productivity Nexus by the Prime Minister.

Past TAM President

Ts. Ir. Ooi Kah Huat (1993 to 1994)



Ts. Ir. Ooi Kah Huat served as TAM President from 1993 to 1995 and is still active today in TAM as a member of the Presidential Advisory Board, TAM Malacca Branch Advisor, Trustee and Honorary Fellow of TAM.

A professional engineer in civil engineering and professional technologist, he obtained his engineering degree from the UK with a BSc. in Civil Engineering (CNAA) and proceeded to work for the Drainage and Irrigation Department as an urban drainage/project engineer in Malacca, where he implemented drainage and irrigation engineering projects under the government. After serving the government, he started his own engineering consultancy practice, providing civil and structural engineering consulting services to authorities, agencies, developers, house owners on civil and structural engineering design, supervision, project implementation of building and infrastructure projects.

He remains active today in his practice albeit more as chairman/advisor to the company and also serves in the Conservation Committee of Majlis Bandaraya Melaka Bersejarah. He also serves the American Society of Civil Engineers (ASCE) as an external practising mentor for intern engineers, advisor to the Real Estate and Housing Developer Association (REHDA) and is a Fellow of the Institution of Engineers Malaysia (IEM).

Ts. Ir. Ooi is passionate about golf and travels often to play the sport.

Past TAM President

Chan Choong Cheong (1998-2000)



Chan Choong Cheong served as TAM President from 1998 to 2000. Educated at the Victoria Institution (V.I.) Kuala Lumpur, he was active in sports and played the position of fullback for the school's First XV Rugby Team. After graduating with a B.E. (Hons.) in Civil Engineering in 1973 from the University of Malaya, he pursued Masters of Philosophy in Civil Engineering (M. Phil.) from the Institute of Irrigation Studies, University of Southampton under a Colombo Plan Scholarship Programme. His research thesis was titled, 'Evaluation and Monitoring of Irrigation Projects'.

He had an illustrious career with the Government under the Drainage and Irrigation Department for over 31 years, where he worked in various capacities as District Engineer, Senior Engineer, Deputy State Director, Principal of the National Water Management Training Centre and finally as Johor State Director before his retirement in 2004. He was also responsible for the training of young engineers and technicians in his department as well as for Malaysian Rice Farmers.

Chan was involved in several major projects that were part of the Malaysia Agricultural Development Plan, such as the Western Johor Agricultural Development Project and the Kemubu Irrigation Project in Kelantan. He was also responsible for the implementation of a number of drainage and flood mitigation projects in Johor's urban areas. On the international front, he was involved with projects that the Malaysian Government had technical cooperation with, such as the Japan International Cooperation Agency (J.I.C.A.) and the International Irrigation Management Institute (I.I.M.I.), Sri Lanka.

Upon retirement, he remains active in his engineering practice as an infrastructural works consultant for housing development projects, is a part-time technical advisor to several local companies in Johor, and is also involved in precast concrete products manufacturing. He also serves as a Member of the Johor Public Service Commission (SPAJ), mainly involved in the employment of new officers and professionals to serve the state government and on service matters.

Chan Choong Cheong is a professional engineer; a Fellow of the Institution of Engineers Malaysia, Technological Association Malaysia and Chartered Engineer of the Institution of Civil Engineers (UK); and Honorary Member of the ASEAN Federation of Engineering Organisations. In recognition of his contributions and services to the nation and Johor state government, Chan Choong Cheong was awarded medals by the federal and Johor state governments.

Past TAM President

Fong Tian Yong (2011-2014)



Fong Tian Yong served as TAM President from 2011 to 2014. He received his early technical education in the Technical Institutes of KL and Penang, and eventually graduated with a bachelor of engineering degree from the National University of Singapore. The early part of his career was spent with Jabatan Kerja Raya (JKR), where he was Executive Engineer, Project Engineer, District Engineer, Assistant Director, Deputy Director and Director, where he assumed broad range of roles within the government, principally in engineering functions for roads, highways, buildings, FELDA and the local government.

He was also responsible for drafting guidelines on building inspection, amendments to the UBBL and Street & Drainage Act, training and implementation of major projects for JKR. His contributions were further expanded when he was appointed Advisor to the local government department and Advisor to the Minister of Housing and Local Government, where his roles on advisory technical matters relate to housing building control, solid waste management, the New Village Master Plan, UBBL and Street & Drainage Act, recycling and rainwater harvesting as examples.

For his illustrious contributions to engineering practices in the government, he was awarded the AMN, PIS, KMN, JSM and SMJ.

Fong Tian Yong is a professional engineer, a member of ASEAN EngineerFellow of Institution Engineers Malaysia and Fellow of Technological Association Malaysia. He remains active professionally as a member of the Board of Engineers Malaysia Professional Practice Committee, Chairman of the Investigation Committee, and Bulletin Editor of the BEM Journal 'Ingenieur'.



ACTIVITIES

TAM ACTIVITIES



9.3.2019
AGM Melaka &
Talk By MBOT

17.6.2019
Poli Shah Alam Talk
& Membership Drive



2.11.2017
Visit to Nilai
University

26-27.11.2018
Engineering Science and
Technology International
Conference 2018 (ESTIC)
at Mahsa University

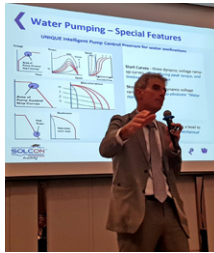




X.X.XXXX
EOGM at Penang



1.11.2016
Politeknik Port
Dickson MOU
Signing Mou



2.8.2018
EE IEM-TAM-
Veritas Seminar

3.10.2018
MSPC Grand Dinner
SME Icon 2018



5.5.2018
Talk by NAICO From
Ts. Tuan Samsul



24.9.2018
Town Hall Session
& MOU (MBOT & TEP)

17.11.2016
Launching of MBOT



X.X.XXXX
Facebook Talk by
Marcus Teoh at
Politeknik Shah Alam



24.4.2019
ECOBOT Press
Conference



X.X.XXXX
MBOT First
interview



3.9.2019
MITI Dialogue



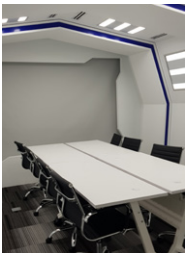
X.X.2016
TAM Perak MOU
Institut Teknologi
Perak



10.8.2019
PKPPE 18th
Annual Dinner &
MOU with TAM

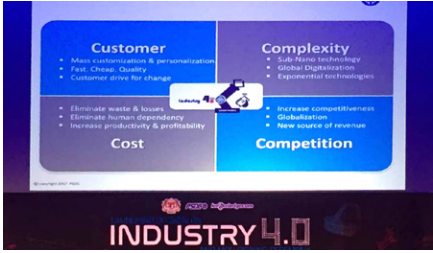


19.7.2019
Meeting with
WIM 2019



2.5.2010
KNX Training Centre
& Seikou Group

22.7.2017
Launching PSDC–
Knowledgecom
IR 4.0



21.4.2019
SIKA Factory
Technical Visit
by TAM Melaka

8—9.4.2019
National Technical
Seminar at UTM Johor



X.4.2019
BEM Workshop

8.4.2019
71st Annual
General Meeting

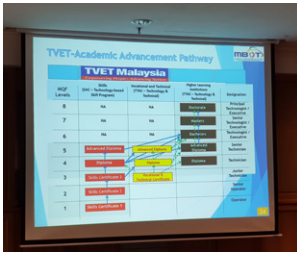




XX.X.XXXX
CIDB BIM
Workshop
With Plytech



XX.X.XXXX
German-Malaysian
Institute 21st
Convocation
Ceremony



X.X.2018
TVET-Academic
Advancement
Pathway by
MBOT



4.4.2019
TVET- Industry
Network Forum
Putrajaya



6.3.2019
STEM Forum
by ASLI



XX.X.2018
Negeri Sembilan
Branch AGM 2018



XX.X.2018
Selangor
branch
AGM 2018

TAM Membership Appplication Form

Technological Association Malaysia
No 47-3 (2nd Floor) Jalan USJ 9/5, Subang Business Centre, 47640
UEP Subang Jaya, Selangor DarulEhsan
T: 03 80247637 F: 03 80244182 E: techasn@gmail.com



MEMBERSHIP TYPE

1. ☐ New

2. ☐ Upgrade ☐ Fellow ☐ Member ☐ Graduate ☐ Associate

NAME

TITLE

DATE OF BIRTH

PLACE OF BIRTH

NRIC NUMBER

HOME ADDRESS

MOBILE NUMBER

EMAIL

HIGHEST ACADEMIC QUALIFICATION

YEAR OF GRADUATION

COMPANY NAME & ADDRESS

TELEPHONE NUMBER

CURRENT JOB TITLE

YEAR JOINED

FAX

FEES	MEMBERSHIP GRADE	ENTRANCE FEE	ANNUAL FEE	<i>Cheque payable to Technological Association Malaysia or Bank in MBB 014169-506507</i>	REQUIRED DOCUMENTS	TO KINDLY ATTACH WITH THIS FORM:
	FELLOW	RM30	RM80		<input type="checkbox"/> 2 PHOTOGRAPHS PASSPORT SIZE <input type="checkbox"/> PHOTOSTAT NRIC OR PASSPORT <input type="checkbox"/> CERTIFIED COPY OF CERTIFICATES <input type="checkbox"/> PROOF OF PAYMENT	
	MEMBER		RM50			
	GRADUATE		RM40			
	ASSOCIATE		RM30			

We, hereby certify that this applicant is personally known to us as a fit and proper to be admitted as a member Technological Association Malaysia and we have checked all statements made by him/ her which to be the best of our knowledge and belief are true and correct.

PROPOSER

NAME

GRADE

MEMBERSHIP NO

CONTACT NO

SIGNATURE

DATE

PROPOSER

NAME

GRADE

MEMBERSHIP NO

CONTACT NO

SIGNATURE

DATE

APPLICANT

To. The Hon.Gen. Secretary, I, the Undersigned, hereby apply for Admission of/change of Grade in Technological Association Malaysia (TAM).

I Understand that the Grade to which I may be elected shall be determined by TAM and if elected I agree to abide by the Articles and Rule of the Association.

SIGNATURE

DATE

FOR INTERNAL USE ONLY	BRANCH RECOMMENDATION		HQ APPROVAL		REMARKS
	CHAIRMAN	BRANCH	PRESIDENT	BRANCH	

TAM Student Membership Appplication Form

Technological Association Malaysia
No 47-3 (2nd Floor) Jalan USJ 9/5, Subang Business Centre, 47640
UEP Subang Jaya, Selangor DarulEhsan
T: 03 80247637 F: 03 80244182 E: techasn@gmail.com



NAME

DATE OF BIRTH

PLACE OF BIRTH

NRIC NUMBER

HOME ADDRESS

MOBILE NUMBER

EMAIL

UNIVERSITY/COLLEGE & ADDRESS

TELEPHONE

FAX

EMAIL

LEVEL OF STUDY – POST GRAD/DEGREE/DIPLOMA/CERTIFICATE

COURSE DISCIPLINE

YEAR JOINED

YEAR EXPECTED TO GRADUATE

FEES	MEMBERSHIP GRADE	ENTRANCE FEE	ANNUAL FEE	<i>Cheque payable to Technological Association Malaysia or Bank in MBB 014169-506507</i>	REQUIRED DOCUMENTS	TO KINDLY ATTACH WITH THIS FORM:
	STUDENT	FREE	FREE		<input type="checkbox"/> 1 PHOTOGRAPH PASSPORT SIZE <input type="checkbox"/> PHOTOSTAT NRIC OR PASSPORT <input type="checkbox"/> CERTIFIED COPY OF STUDENT CARD	

We, hereby certify that this applicant is personally known to us as a fit and proper to be admitted as a member Technological Association Malaysia and we have checked all statements made by him/ her which to be the best of our knowledge and belief are true and correct.

PROPOSER

NAME

GRADE

MEMBERSHIP NO

CONTACT NO

SIGNATURE

DATE

PROPOSER

NAME

GRADE

MEMBERSHIP NO

CONTACT NO

SIGNATURE

DATE

APPLICANT

To. The Hon.Gen. Secretary, I, the Undersigned, hereby apply for Admission of/change of Grade in Technological Association Malaysia (TAM).

I Understand that the Grade to which I may be elected shall be determined by TAM and if elected I agree to abide by the Articles and Rule of the Association.

SIGNATURE

DATE

FOR INTERNAL USE ONLY	BRANCH RECOMMENDATION		HQ APPROVAL		REMARKS
	CHAIRMAN	BRANCH	PRESIDENT	BRANCH	

Notes to Completing the TAM Membership Application Form

1.

Please ensure that this application is completed in full Application with any part unanswered may not be considered. Please attach copies of all certificates, duly certified by the proposer or seconder.
2.

If you are applying for transfer to another Grade, all Section should be completed.
3.

Only corporate Members can propose and second an application for membership, they should satisfied themselves that the applicant is a fit and proper person to be admitted to the Association, and should have personal knowledge of the statements made by the applicant. The proposer or seconder must initial all statements in the application form with which they are personally familiar.
4.

Extracts from Rules relating to qualifications for admission to the different Grades of Membership.

FELLOWS
shall be those who are not less than 35 years of age and in possession of recognized professional qualifications acceptable to the Executive Committee and who have held a position of higher responsibility in technical employment for at least five(5) years and shall have been member of the Technological Association Malaysia for a minimum of five (5) years.

MEMBERS
shall be those who are in possession of necessary academic and/or professional Degree/Diploma - in technical employment or Certificate – 3 years technical employment (Acceptable to the Executive Committee)

GRADUATE MEMBERS
shall be those who have satisfactorily completed a course of instruction for minimum period of two (2) years at a recognized Technical Institution .

STUDENT MEMBERS
shall be those who are in possession of a Sijil Pelajaran Malaysia or recognized equivalent and who are studying for the technical profession at a recognized Technical Institution provided that University or University College Student shall not be eligible for membership without the prior approval of the Head Institution concerned. No person shall remain a student member after 31st December in the year in which he completes his 30th year of age.

ASSOCIATE
shall be those are keenly interested in the Technological Association Malaysia, but are not eligible for election to the other classes of membership.

INSTITUTIONAL MEMBERSHIP
shall be open to those firms,companies, institution and quasi-government bodies permitting group membership and who employ technical personnel who are interested in the aims, object and activities of the Association

5.

Privileges of Membership – Rule 8
- a)

All corporate and Non-Corporate shall be entitled to attend all meeting of the Association to read paper and to take part in the discussion thereof and receive a copy of the Journal.
- b)

Non-Corporate Members shall not be permitted to take part in the control and management of the Association or to vote at meetings.

ASEAN ENGINEERING REGISTER (AER) - *Application Form*

☐ ENGINEER

☐ TECHNOLOGIST

☐ TECHNICIAN

☐ ASSOCIATE ENGINEER

☐ ASSOCIATE TECHNOLOGIST

☐ ASSOCIATE TECHNICIAN

Please tick the appropriate box

Personal Particulars

Title: ☐ Prof. ☐ Dr. ☐ Ir. ☐ Er. ☐ Engr. ☐ Others: _____

Name (as in passport or National Identity Card)

Date of Birth: D ____ / M ____ / Y ____

Gender: ☐ Female ☐ Male

Graduation Details

First Degree/University :

Year of Graduation (YYYY) : Discipline:

Post-graduate Professional Working Experience *(Not applicable for Associate Member Application)*

At least 7 Years of Postgraduate Working Experience in an Engineering Environment.

Of which 2 years' experience must involve a substantial charge.

Member Home Engineering Organisation / Technological Association

Member of

☐ BEC

☐ EIT

☐ IEM ☐ TAM

☐ IES ☐ SIET

☐ LUSEA

☐ MES

☐ PII

☐ PTC

☐ PUJA

☐ VUSTA

Membership No: Year of Admission:

Personal Contact Details

Add.Line.1

Add.Line.2

Post Code

Telephone

City

Fax

State

Mobile

Country

E-Mail

Employment Status:

Any changes of address or employment must be promptly notified to the Secretariat or be updated via the ASEAN Engineers website www.aer.afao.org

Life Membership [Please tick (✓) appropriate]

ASEAN ENGINEER (AE) / ASEAN ENGINEERING TECHNOLOGIST (AET)

One Time Registration Fee + Entrance Fee

☐ USD 215 (Brunei, Indonesia, Philippines, Singapore and Thailand)

☐ USD 110 (Cambodia, Laos, Myanmar and Vietnam)

☐ RM 900 (Malaysia)

ASEAN TECHNICIAN (AT)

One Time Registration Fee + Entrance Fee

☐ USD 165 (Brunei, Indonesia, Philippines, Singapore and Thailand)

☐ USD 85 (Cambodia, Laos, Myanmar and Vietnam)

☐ RM 690 (Malaysia)

ASSOCIATE MEMBER (ENGINEER, ENGINEERING TECHNOLOGIST AND TECHNICIAN)

☐ USD 20 (Brunei, Cambodia, Indonesia, Laos, Myanmar, Philippines, Singapore, Thailand and Vietnam)

☐ RM 80 (Malaysia)

Cash / Cheque / Bank Draft / Bank Transfer / Money Order / Postal Order No.:

Total :

ASEAN ENGINEERING REGISTER (AER) - *Application Form*

SUMMARY OF SIGNIFICANT ENGINEERING WORK *(not applicable for Associate Member Application)*

Provide summary of each project for which you were personally responsible and state you position, the number of month you were in charge of the work *(If insufficient please use additional sheets)*

Period of Experience	Position of Responsibility	Nature of Projects, Its significance, Your functions, responsibilities, achievements, practical innovations, original application of theory	Verified by (Signature and name)

Applicant's Declaration

All the information in my application is true and correct.

Name: _____

Date of Application: _____Signature: _____

Confirmation of Eligibility by Member Home Organisation /National Monitoring Committee /Country Registrar

i.

We have reviewed this application, and hereby confirm that this application meets the AER Admission Requirements as stated overleaf.

ii.

We undertake to inform the AER Secretariat of any change in the membership status and/or licensing status of the said Applicant.

Name of Country Registrar: _____Name of home Institution: _____

Signature: _____Date of Confirmation: _____

Name of Admission (Office Bearer): _____Name of Affiliated Institution: _____

Signature: _____Date of Confirmation: _____

Endorsement by ASEAN Engineering Register Commission for inclusion in the AER

Name of AER Head Commissioner: _____

Signature:_____Date of Endorsement:_____

ASEAN ENGINEERING REGISTER APPLICATION FORM

ASEAN ENGINEERING REGISTER (AER) – *Notes for application*

The ASEAN Federation of Engineering Organisations (AFEO) Governing Board at its meeting in Vientiane, Lao PDR in June 2011, have agreed to expand the ASEAN **Engineers** Register (AER) into the ASEAN **Engineering** Register (AER) to include the registration of the entire engineering team comprising the Engineers, Engineering Technologists, Technicians and related Associates.

Objectives of the AER

i.

To facilitate the mobility and professional practice of Engineers, Engineering Technologists, Technicians and related Associates within the ASEAN ambit by establishing a framework of mutual recognition of qualifications amongst the ASEAN member countries whereby AER registered Engineers, Engineering Technologists, Technicians and related Associates who wish to take up employment, do business and/or practice outside their home Institution/country may carry with them an approved and recognized professional/semiprofessional qualification;

ii.

To safeguard and promote the professional interests of Engineers, Engineering Technologists, Technicians and related Associates;

iii.

To establish a database of the capability profiles of AER registered Engineers, Engineering Technologists, Technicians and related Associates in order that prospective employers from member countries may engage their services.

iv.

To uphold the quality and standing of AER registered Engineers, Engineering Technologists, Technicians and related Associates by facilitating and implementing continuous improvement through the setting, monitoring and reviewing of standards;

v.

To promote cultural and professional links among members of the engineering profession within ASEAN;

vi.

To enhance the wealth creation process of ASEAN countries.

AER Admission Requirements *(approved by AFEO Governing Board June 2011)*

The minimum requirements for an applicant to be admitted into the AER are as stated below:

(A) ASEAN ENGINEER (AE)

(B) ASEAN ENGINEERING TECHNOLOGIST (AET)

i.

MUST possess an Engineering/Engineering Technologist degree recognized by the home institution/country;

ii.

MUST be a full member of the Engineering or Technological Association and licensed to practice in the home institution/country; and

iii.

MUST have a minimum of seven (7) years post-graduate working experience in an engineering environment, of which a minimum of two (2) years will be of substantial charge.

(C) ASEAN TECHNICIAN (AT)

i.

MUST possess an Engineering Technologist diploma recognized by the home country. Such diploma programs must be able to meet the requirements of the Dublin Accord or equivalent;

ii.

MUST be a full member of the Engineering or Technological Association and licensed to work in home institution/country;

iii.

MUST have a minimum of seven (7) years post-qualification working experience in an engineering environment, of which a minimum two (2) years will be of substantial charge; or

For candidate with a certificate in

Engineering or Technical Association

ASEAN ENGINEERING REGISTER (AER) – *Notes for application*

AER Application Procedure

Kindly complete the application form overleaf, and submit it together with 1 copy of a recent passport photograph (n.r.) with your name written at the back of the photograph, along with the required remittance for the Entrance Fee & Subscription Fee to your respective Home Engineering Organisation or Technical Association. On successful registration with the AER, you will then be provided with a username and password to update your personal particulars, experience and capability profile in your database. This database will be open to 'searches' on the world wide web.

One Time Registration fees
(A) ASEAN Engineer (AE); <i>and</i> (B) ASEAN Engineering Technologist (AET) <ul style="list-style-type: none">• RM 840 for applicants from Malaysia• USD 200 for applicants from Brunei, Indonesia, Philippines, Singapore and Thailand• USD 100 for applicants from Cambodia, Laos, Myanmar and Vietnam (C) ASEAN Technician (AT) <ul style="list-style-type: none">• RM 630 for applicants from Malaysia• USD 150 for applicants from Brunei, Indonesia, Philippines, Singapore and Thailand• USD 75 for applicants from Cambodia, Laos, Myanmar and Vietnam (D) Associate ASEAN Engineer (AAE); (E) Associate ASEAN Engineering Technologist (AAET); <i>and</i> (F) Associate ASEAN Technician (AAT) <ul style="list-style-type: none">• RM 80 for applicants from Malaysia• USD 20 for applicants from Brunei, Cambodia, Indonesia, Laos, Myanmar, Philippines, Singapore, Thailand and Vietnam
Entrance Fee
Payment should be made with Entrance fee of AE/AET/AT - RM 60.00 for Malaysia USD15.00 for Brunei, Indonesia, Philippines, Singapore and Thailand or USD10.00 for Cambodia, Laos, Myanmar and Vietnam
Payment
1. For all applicants (except Malaysia) payment should be made to the Applicant's Home Engineering Organisation or Technical Association. 2. For Malaysia:- <ul style="list-style-type: none">• AE & AAE applicants - Cheque/MO/PO can be made payable to 'IEM AER ACCOUNT'. We do not accept payment via credit card.• AET / AT / AAET / AAT - Cheque/MO/PO can be made payable to 'Technological Association Malaysia'.
Enquiries
THE ASEAN ENGINEERING REGISTER SECRETARIAT c/o The Institution of Engineers, Malaysia Bangunan Ingenieur Lots 60 & 62, Jalan 52/4 PO Box 223 (Jalan Sultan) 46720 Petaling Jaya, Selangor DE, Malaysia Tel : 603 – 7968 4001/4002 Fax : 603 – 7957 7678 Email : aer@iem.org.my Web-site : www.aer.afeo.org



The Technological Association of Malaysia
is an organisation for all levels and
disciplines of technologists, from the
professionals to students and everyone
whose career is technological in nature.

www.tam.com.my

47-3, (2nd Floor),
Jalan USJ 9/5p
Subang Business Centre
47620 Subang Jaya
Selangor, Malaysia

+60 3-8024 7637
techasn@gmail.com