

**BIOMEDICAL ENGINEERING ASSOCIATION OF MALAYSIA
PERSATUAN KEJURUTERAAN BIOMEDIKAL MALAYSIA (BEAM)**

Registered Address:

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Brief Activity Report 2014/2015 for the 48th IFHE Council Meeting, Den Haag, Netherland, 17th April 2016



President's Message

2014/2015 is an interesting and active year for BEAM in promoting and making plans for the better advancement of our biomedical and healthcare engineering activities. Coming to the 15th year in existence, BEAM are coming to a position of looking at numerous possibilities of growth and advancement in satisfying its objective of providing the latest development in the management of medical technology, medical equipment and healthcare facility engineering services to members and others. BEAM, together with Engineering Services Division, Ministry of Health and all other industry players in the healthcare industries will strive to ensure the continuing progress of healthcare services in Malaysia. Continuous support from members have contributed immensely to the growth and success of BEAM for the past years and, for the coming years, we are in a wonderful position of supporting the advancement of our profession, to accomplish better things with great activities. As always, BEAM over the last year has been particularly active in organizing technical training, social events, and seminars and the support from all are tremendous. Last year we organise our **BEAM 2015 Healthcare Exhibition** from 5-6th September 2015 in ASA International Convention Centre, Kuantan, Pahang, in conjunction with *Ministry of Health 2015 Hospital Engineering Conference*, with the theme "*Green Healthcare Facilities for a Better Tomorrow*". This is the first time we organise a program outside Kuala Lumpur and participation from exhibitors is overwhelming.

BEAM will continue to support all IFHE activities and work together with all its members for a better future.

Thank You

TAURAN ZAIDI AHMAD ZAIDI

President of the **Biomedical Engineering Association of Malaysia**

ABOUT BEAM

The Biomedical Engineering Association Malaysia was established in 23th Mac 2001 founded by Ir. Dr. Syed Mustafa Kamal Syed Aman and a few engineer from the Engineering Services Division, Ministry of Health. Ir Dr. Syed Mustafa is also as the first chairman of BEAM.

The formation of BEAM was indeed timely as to originally promote the awareness in Bioengineering and Clinical Engineering in Malaysia and later, with the expansion of its objective for the advancement of healthcare facility engineering practices and technology in Malaysia. The major role of BEAM is to provide the latest development in the management of medical technology, medical equipment and healthcare facility engineering to the members. BEAM, together with Engineering Services Division, Ministry of Health will ensure the continuing progress of healthcare services in Malaysia.

Through the work of its committee, BEAM is committed to continue advancement of Hospital and Healthcare service systems through sharing of knowledge and experiences into the twenty-first century in line with Vision 2020.

Vision

To provide the latest development in the management of medical technology, medical equipment and healthcare facility engineering services to ensure the continuous progress and advancement of healthcare services in Malaysia.

Mission

Dedicated to promote improved planning, design, operation and management of Hospital and Healthcare service systems and the competencies of its members through training, sharing of knowledge and experiences with others.

Objectives

- To cultivate and maintain the highest possible standards of knowledge, skill, ethics and efficiency of those involved in the design, construction and maintenance of health care facilities.
- To promote confidence between health care authorities and hospital engineers by ensuring that every person accepted into the Association is fully qualified for their particular membership level.
- To provide support and information to assist members in their professional capacities.
- To encourage and help members to hold meetings, seminars and study programs.
- To create a platform for exchanging ideas between members and channel information to members
- Recognition of Hospital Engineer as professional engineer.
- To design, update and promote Facility Management competency requirement in the healthcare engineering sector

BEAM Council Members (Term 2013-2015)

1. MR TAURAN ZAIDI AHMAD ZAIDI, President
2. MR KHAIRUL AZMY KAMALUDIN, Vice-President
3. MR JAMALUDIN BUYONG, Honorary Secretary

4.	MS NIK MUSALMAH MOSTAFA, Honorary Treasurer
5.	MR SHAMSUDDIN MAMAT, Council Member
6.	MR ISMAIL MD SALEH, Council Member
7.	MR NOORAZMAN MOKHTAR, Council Member
8.	MR NIK ZAIDI NIK BULYAMIN, Council Member
9.	MS DZATUL ITHRI AMRAN, Council Member
10.	MR IR DR YANG SOO SIANG, Council Member (appointed)
Internal Auditor	MR ZAHID ZAMALUDIN & MR MUHAMMAD NOOR IDRIS
Past President	MR IR DR SYED MUSTAFA & MR ZAMANE ABD RAHMAN

BEAM Brief 2014/2015 Activity Report

15 – 17 March 2014 – BEAM EXCO visitation to HATIMI, Jakarta, Indonesia. Meeting with HATIMI at Ministry of Health, Indonesia. Together moving forward in advancing healthcare facilities and biomedical engineering competencies

20th September 2014 – BEAM's Annual President Cup Golf Challenge. The tournament held at Saujana Impian Golf & Country Club. Bringing friends and members together enjoying a good round of golf while winning some good prizes and fund raising, All praise goes to our organizing committee lead by Mr. Zahid Zamaluddin and under the advice of our Vice-President.

September 2014- IFHE 47th Council Meeting and Congress, Argentina. It was a new experience for BEAM the first time in Argentina represented by our President, Vice President and an Exco member and BEAM advisor. BEAM President have the honour to Chair one of the Technical Panels.

4th July 2015 - Breakfasting Dinner. BEAM celebrated the month of Ramadhan with a break-fasting dinner celebration on 4th July 2015 at the Rymba Haven, Nilai, in the state of Negeri Sembilan with about 250 members, friends and partners attending. It was a joyous celebration to remember the holy month.

5-6TH September 2015- HEALTHCARE EXHIBITION – MOHEC 2015 . BEAM organised a very well received Exhibition in conjunction to the annual Min. of Health Engineering Conference 2015

October 2015 - IFHE 47th Council Meeting , Turku Finland. Our MoH Director of Engineering Division Min. of Health Malaysia was there representing Malaysia and as an advisor to BEAM in the meeting

November 2015- BEAM IHEEM Roundtable Meeting Kuala Lumpur. BEAM having the honour to organise this important meeting with IHEEM. Chris Northey, IHEEM President, with IHEM CEO Julian Amey and Micheal Smeeth of GE met with our excos and our Hospital support services concessionaires reps discussing many issues on healthcare engineering matters with focus on Sustainability, Energy Efficiency, EPC and many others. BEAM also provide some of the experiences they have with MoH Malaysia engineering division in helping healthcare facilities cope with the Dec 2014 devastating floodin the northern region.

TECHNICAL TRAINING ACTIVITIES

BEAM Technical Committee has schedule a training calendar for every year. The Committee is jointly lead by Khairul Azmy Kamaluddin, Ir. Dr Syed Mustafa Kamal and Noor Azman Mokhtar.

BEAM have organised many Biomedical Engineering Competency Training (BECT) in collaboration with ECRI Institute in Malaysia. BECT is a training programme to rapidly up-skill participants in the correct technology management, operation, maintenance and repair techniques of medical equipment through interactive learning and hands-on practice. The courses were delivered by experienced biomedical engineers and medical equipment specialists from Malaysia and overseas. Other collaborations with local universities, local and international training providers have also been made. Course participants come from the government hospitals, private hospitals and service vendors from all over Malaysia and also international participants from Singapore, Thailand, Philippines, Brunei, Indonesia and Saudi Arabia.

Thanks to our Exco member Mr NoorAzman Mokhtar, Mr Niq Zaidi and Mrs Dzatul Ithri for this year training activities organised by BEAM and also in collaboration with specialist content providers. Some of the courses, amongst many are as below:

MEDICAL EQUIPMENT 4: VENTILATORS 23RD -24TH APRIL 2014



ELECTRICAL SAFETY TRAINING : IEC 60601-1 (JANUARY 2014)
AND COMPETENCY EXAMINATION (MARCH 2104)

BIOMEDICAL COMPETENCY TRAINING AND CERTIFICATION

On Electrical Safety Testing for Single Phase Medical Electrical
Equipment with IEC 60601-1 Compliance

Venue : Wisma BEAM
Date : 26TH and 27TH February 2013
Time : 9:30 AM
Fee : RM 1,700.00 per pax
Closing Date : 20th February 2013

In this training you will gain:

- The important of Electrical Safety Test
- IEC 60601.1 standard
- Learn how to identify the error (leakage current)
- Develop EST check list
- Testing technique by using the



Participants taking exams at BEAM seminar room

Apart from the said courses, some of our Exco members including President and Vice President have been invited to give talks on various engineering issues pertaining to Medical Gas System, Sterilization, Indoor Air Quality, Mold Remediation in healthcare facilities, Energy Efficiency, and many subjects on Biomedical Engineering technical talks by Ir. Dr. Syed Mustafa Kamal. BEAM will continue preparing its training activity for next year with quality courses and seminars to its members and others.

Certified Healthcare Facility Management Course

BEAM as has been the forefront and important player as a council member together with Ministry of Health Malaysia, International Islamic University of Malaysia and healthcare engineering private sectors in the planning, development and implementation of the first short program (10 modules) CHFM as a start for competency requirement in the hospital support services. The first intake which includes international participants in the region starts this Nov 2014.

New Seminar and Office Building (Wisma BEAM)

The address is at *NO 29, JALAN AIRPORT CITY 1, AIRPORT CITY BUSINESS CENTRE, 43900 SEPANG, SELANGOR*. The ground floor is renovated as an office and meeting rooms and on the first floor, the seminar rooms are fully functional as shown in the picture above.

Exco Meetings Besides informal meetings for projects, BEAM held numerous Exco meetings since the last AGM at the new office.

Membership (active)

Ordinary Members	63
Associate Members	44
Honorary Members	2
Corporate Members	1

Acknowledgements

BEAM would like to acknowledge contributions of all Exco members, members, volunteers and supporters in providing pictures and infos for the preparation of this brief report. We apologize if anyone or anything has been inadvertently left out or inaccurately stated. Many thanks to the IFHE president and IFHE council members for the support during the 49th council meeting in Den Haag, The Netherland on the 17th April 2016, which this report is prepared for.

Prepared by: **JAMALUDDIN BUYONG** (*Hon. Secretary*)
KHAIRUL AZMY KAMALUDDIN (*Vice President*)

Approved by: **TAURAN ZAIDI AHMAD ZAIDI**
President, *Biomedical Engineering Association of Malaysia (BEAM)*

Dated: 14th April 2016