

# IEM

The Institution of Engineers, Malaysia  
(Sarawak Branch)

## 49<sup>th</sup> Annual General Meeting Report

17<sup>th</sup> June 2017



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## Notice of 49<sup>th</sup> Annual General Meeting



### The Institution of Engineers, Malaysia Sarawak Branch

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Our ref : IEM/SB/1/07 Pt. 1 (12)

Date : 16<sup>th</sup> May 2017

Dear all members of The Institution of Engineers, Malaysia (Sarawak Branch)

#### NOTICE OF 49<sup>TH</sup> ANNUAL GENERAL MEETING

**Saturday, 17<sup>th</sup> June 2017, 9:00am at Lecture Theatre (Building L), Swinburne University of Technology Sarawak Campus, Jalan Simpang Tiga, 93350 Kuching**

In accordance to the Branch By-Laws (Revised and Approved 1<sup>st</sup> August 1998), notice is hereby given that 49<sup>th</sup> Annual General Meeting of The Institution of Engineers, Malaysia (Sarawak Branch) shall be held at **Lecture Theatre (Building L), Swinburne University of Technology Sarawak Campus on Saturday, 17<sup>th</sup> June 2017**

1 **REGISTRATION** *commencing 8:30am*

#### 2 **AGENDA FOR THE 49<sup>th</sup> AGM**

- (i) Welcoming Address by Ir. Tang Chok Khing (Vincent), IEM (Sarawak Branch) Chairman (Session 2016/2017)
- (ii) Address by Ir. Tan Yean Chin, IEM President
- (iii) Confirmation of Minutes of the 48<sup>th</sup> Annual General Meeting held on 18<sup>th</sup> June 2016
- (iv) Matters Arising in relation to the 48<sup>th</sup> AGM
- (v) Annual Report (Session 2016/2017) by Honorary Secretary, Ir. Tan Joo Kok (Johnny)
- (vi) Honorary Treasurer's Report by Ir. Dr. David Bong Boon Liang
- (vii) Announcement of Results of Election for Branch Committee (Session 2017/2018)
- (viii) Election of 2 Honorary Internal Auditors
- (ix) Proposed Extension of Service for External Auditor, Richard Kiew & Company
- (x) Proposed Extension of Service for Tax Auditor, Deloitte Tax Services Sdn Bhd
- (xi) Proposed Extension of Service for IEM (Sarawak Branch) Chairman for Session 2018/2019
- (xii) Re-elected Chairman's, Ir. Tang Chok Khing (Vincent) Address (Session 2017/2018)
- (xiii) Briefing on IntEC Development
- (xiv) Any Other Business

**Ir. Tan Joo Kok (Johnny)**  
Honorary Secretary (Session 2016/2017)

## Branch Committee Members Session 2016/2017



**Stand (From Left):** Ir. Bernard Wong, Ir. Irwan Zulkarnain, Mr. Jason Yeo (Chairman G & S - YES), Ir. Janang, Ir. Dr. David Bong, Ir. Jonathan Law & Ir. Johnny Tan Joo Kok  
**Seated (From Left):** Ir. Dr. Dominic Ong, Ir. Haidel Heli, Ir. Vincent Tang & Ir. Stephanie Sim

Chairman

Ir. Vincent Tang Chok Khing (M07369)

Immediate Past Chairman

Ir. Haidel Heli (M22455)

Vice Chairman I

Ir. Dr. Dominic Ong Ek Leong (M19462)

Vice Chairman II

Ir. Stephanie Sim Hui Kheng (M19167)

Honorary Secretary

Ir. Tan Joo Kok, Johnny (M41506)

Honorary Treasurer

Ir. Dr. David Bong Boon Liang (M17676)

Committee (Electrical Discipline)

Ir. Janang Bungsu (M21883)

Committee (Mechanical Discipline)

Ir. Bernard Wong Shuen Yuan (M75166)

Committee (Civil Discipline)

Ir. Jonathan Law Sie Ding (M57343)

Committee (Any Discipline)

Ir. Irwan Zulkarnain Muhd Hasbie (M13425)

## 1.0 Honorary Secretary's Report

### 1.1 Introduction

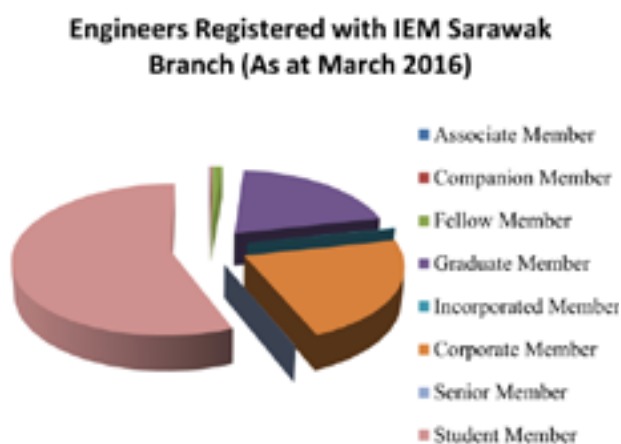
It is with great pleasure to present to you the **49<sup>th</sup> Annual Report** for Session 2016/2017 covering the period 1<sup>st</sup> April 2016 until 31<sup>st</sup> March 2017.

### 1.2 The Committee

A total of ten (10) Branch Committee Meetings were held during the session. The Branch had its 48<sup>th</sup> Annual General Meeting on the 18<sup>th</sup> June 2016 at Gunung Buda Room, M Hotels, Hock Lee Centre, Kuching. Ir. Tang Chok Khing, Vincent was selected as Chairman for 2016/2017 session. A total of 230 members attended the meeting. Please refer to the Appendix for meeting frequency record and attendance.

#### Engineers Registered With IEM - Sarawak Branch (As at March 2016)

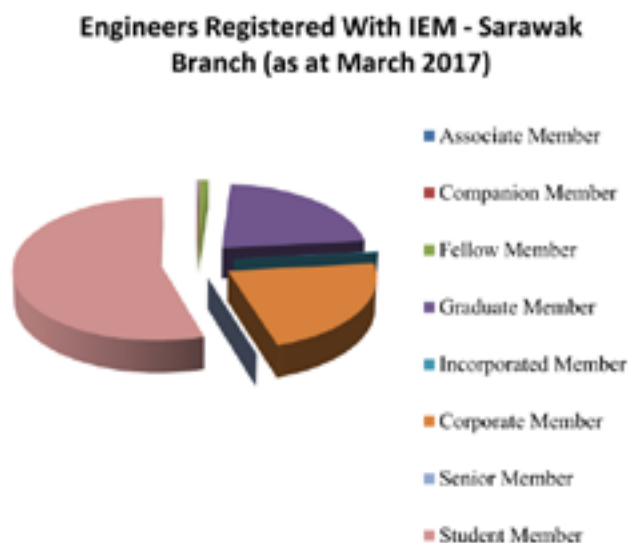
No.	Membership Category	Total
1	Associate Member	2
2	Companion Member	5
3	Fellow Member	33
4	Graduate Member	596
5	Incorporated Member	4
6	Corporate Member	652
7	Senior Member	1
8	Student Member	1,658
<b>Grand Total</b>		<b>2,951</b>



#### Engineers Registered With IEM - Sarawak Branch

As at March 2017

No.	Membership Category	Total
1	Associate Member	3
2	Companion Member	5
3	Fellow Member	31
4	Graduate Member	726
5	Incorporated Member	5
6	Corporate Member	718
7	Senior Member	1
8	Student Member	1,803
<b>Grand Total</b>		<b>3,292</b>



## 2.0 Branch Activities & Events for 2016/2017

The branch reported that during the session, it had organized the following activities.

### 2.1.1 4<sup>th</sup> & 5<sup>th</sup> April 2016

#### **BEM Code of Ethics/Regulations**

*Co-organized with IEM Training Centre Sdn Bhd*

*Speaker: Mr. Muthusamy*

*Attendance : 47 persons*

This programme is specially designed in respect to the Code of Ethics in which engineers have to oblige. This is to ensure that the Engineering Professionalism in our country is enhanced and as competent as that of their counterpart globally. This programme will critically explain the role of engineers in facing crucial situation at their workplace. Besides that, the programme will also touch on the most appropriate way of dealing with difficult scenario that arise at workplace which may have some conflicts of engineering ethical. Since the conflict of interests between organization and engineers varies from one to another, cases and facts from real job situation will be highlighted and discussed, which covers six elements of engineering aspects.

#### **Objectives**

- To promote awareness of engineers' code of ethics at the workplace.
- To highlight responsibilities of engineers towards their organization and community.
- To provide guidance on code of ethics to engineers in their respective branch of engineering.
- To expose the importance of environmental preservation in any projects undertaken.
- To create understanding of the need to adhere to Ethics.
- To inform the importance of Ethics for Professionals.
- To highlight the expectations of Public and Society towards Engineering Professionalism.





**2.1.2 20<sup>th</sup> April 2016****Introduction to New JKR Design Guidelines of Low Volume Rural Road*****Co-organized with Jabatan Kerja Raya Sarawak******Speaker: Mr. Wawan Gunawan, Ms. Sinibong Mary Rukong & Ir. Imelda Jelani******Attendance: 63 persons***

It is the prime duty of the government to provide safe road communication to the general public. As such, *JKR* as the main infrastructure implementing agency of the government is obliged to comply with certain minimum standards when designing these rural roads; *Arahan Teknik* and REAM Guide. Likewise, the engineering consultant and contractor, whom are entrusted by *JKR* with the design and construction, should comply with the requirement therein. Thus, this guideline is written, edited and compiled by *JKR* Sarawak Research Centre in collaboration with University of Malaysia Sarawak (UNIMAS). It compares existing design standards and *Arahan Teknik* and gives clear design direction. It may be used by civil engineering students as a guide and source of reference. Prior to this, there is no one-stop guide for road design engineers to refer to.

The objectives of this seminar are:

- To introduce to the engineering community of the newly published guideline by *JKR* Sarawak.
- To explain on how the guideline can be used for the design of road in Sarawak according to the requirement of *Arahan Teknik* and REAM Guidelines





2.1.3 **3<sup>rd</sup> – 5<sup>th</sup> May 2016****Distribution Substation Design Course***Co-organized with Sarawak Energy Berhad**Speaker: Ir. Thum Peng Chew**Attendance: 8 persons (10 Slots allocated to IEM Members)*

The distribution substation can be designed as an indoor substation or as an outdoor open-terminal type. Both are cost-effectively designed and constructed in the urban and rural areas respectively. Once designed and built, it is expected to be reliable and lasting for many years. For such expectations to be realised critical design factors have to be addressed.

The purpose of this course is to address the design issues of 33/11 kV distribution substations, particularly the open terminal type by bringing to focus the important factors in the selection of busbar configurations, layout of primary equipment, impact of transformers, circuit breaking & enclosure technology, lightning shielding, insulation coordination principles, protection and earthing. It attempts to answer questions such as “How are busbar configuration selected and designed?”, “How does transformer neutral earthing impact insulation levels?”, “What circuit breaking and enclosure technology is relevant?”, “How does lightning shielding, transformer neutral earthing, and earthing impact insulation coordination?”.

The course endeavours to answer these questions at the fundamental level. To do so, it focuses on the substation’s primary equipment and protection requirements and answers some fundamental design questions relevant to achieving performance, reliability, quality and economics. At the same time, it will lead the participants through a learning experience and practical understanding of designing a 33/11 kV substation from scratch.

To increase the benefits to the participants, it is required that they are fully engaged in actual hands-on exercises during the course.

2.1.4 **12<sup>th</sup> & 13<sup>th</sup> May 2016****BEM Engineering Management Practice***Co – Organized with IEM Training Centre Sdn Bhd**Speaker: Cdr. (Rtd) Ir. Raymond Swa**Attendance: 55 persons*

The need of a well-structured course on engineering management methodology is essential to practising engineers who have the intention to develop their career as well as to be decision makers in their organization. This programme is specially designed to expose engineers on the art of managing Engineering Companies. Financial knowledge for engineers, project management, the needs of information technology in preparation for the challenges into the next millennium and so forth. This programme, in total, will expose the engineers with the contemporary management and functional skills to enable them to manage their work more effectively.

The objective are:

- To expose the aspects of managing engineering companies.
- To provide management principles to engineer – Culture, politics, motivation.
- To create financial understanding for the engineers.
- To highlight engineer’s perspective on project financing.
- To give information on the importance of IT to engineers.
- To provide awareness on global trends of trade liberalization.



- 2.1.5 **16<sup>th</sup> – 18<sup>th</sup> May 2016**  
**Power System Protection Course**  
*Co-organized with Sarawak Energy Berhad*  
*Speaker: Ir. Lee Chong Kiow*  
*Attendance: 6 persons (6 Slots allocated to IEM Members)*

This course attempts to answer the many questions in an electrical engineer's mind by describing the various concepts of power system protection. The scope includes all the main components and types of protection schemes. The course also describes practical protection schemes. This course is intended for consulting, design, operation and maintenance engineers responsible for medium and high voltage transmission, distribution, industrial and commercial power systems. Participants are expected to have a basic knowledge of power system practices.

- 2.1.6 **24<sup>th</sup> May 2016**  
**Fire Safety Engineering Approach for Modern City Design Seminar 2016**  
*Co-organized with Jabatan Bomba dan Penyelamat Malaysia Negeri Sarawak*  
*Speaker: Mr. Tay Hao Giang, Ar Chee Soo Teng & Ir. Wong See Foong*

Fire Safety is a crucial part of the Building Industry. Fire destroys properties and investments worth multi-million ringgit every year – a loss to the industry and nation as it will affect productivity. Incorporating appropriate fire safety design into built environment is the norm in modern building industry to preserve environment and reduce carbon footprint. This seminar will be focusing on risks and solutions for buildings will appropriate fire safety approach for building industries for business continuity.

The knowledgeable speakers will share with those involved in the construction industry their experience, case studies and latest findings on various aspect of fire safety whom include approving agencies, architect, M&E consultants, developers, contractors, building owners, suppliers and university lecturers, academics and students.

2.1.7 6<sup>th</sup> – 7<sup>th</sup> June 2016**Project Management Foundation & Practices “The Essential Skills To Ensure Project Success!”****Co-Organized With PMO Asia Sdn. Bhd****Speaker: Ir. Dr. Mui Kai Yin****Attendance: 24 persons**

From the Project Management Institute (PMI®) special group studies on “Researching the Value of Project Management” (Source: PMI® Research Conference, Warsaw, Poland, 2008) indicate the increased in organization’s project management maturity delivers greater value both tangible and intangible. This course is based primarily on the latest PMI® “A Guide to the Project Management Body of Knowledge, Fifth Edition”, (PMBOK® Guide) standards that covers the five project management processes and ten knowledge areas. The 2-days comprehensive course lays a solid foundation, tools and techniques to project success.

The objectives of this class is to equip project stakeholders with systematic project management approach on initiate, plan, implement and close out project activities. It will also align project members to deliver project goals and objectives; establish common project management language and basic understanding.

The Key Learning Points Includes:

- Master the five fundamental project management processes (viz. project initiating, project planning, project executing, project monitoring/controlling and project closing), concepts, tools and techniques; also the procedure and concepts of project management
- Set realistic, measurable SMART goals and ensure positive results; know what are the key project success factors
- Develop work breakdown structure (WBS); planning of work packages
- Estimate project cost and schedule using simple and proven techniques (Network Diagrams & Critical Path)
- Assign team member responsibilities
- Track project performance using Milestone tracking, S-curve, Earned Value Management (EVM)
- Handle project change management effectively
- Establish good control, monitoring and communication systems.

With the knowledge and skills acquired at the end of the training program, participants will be able to plan and manage projects from project initiating to closing. They can utilize and customize various project management tools introduced in the class to be used in their organizations.





2.1.8 **18<sup>th</sup> June 2016**  
**48<sup>th</sup> Annual General Meeting & Technical Talk On Systematic Approach For Effective Project Risk Management**  
*Venue: M Hotels, Hock Lee Centre, Kuching*  
*Attendance: 230 members*





2.1.9 20<sup>th</sup> & 21<sup>st</sup> June 2016**BEM Safety & Health at Work***Co-organized with IEM Training Centre Sdn Bhd**Speaker: Mr. Zamri Sahari**Attendance : 30 persons*

Industrial safety and health of engineering activities are increasingly given greater emphasis in practice and law. This programme examines the latest statutory obligations of both the engineers and environment. It will also expose the engineers on the Occupational Safety and Health Management issues and related elements of safe systems at work. How do we ensure compliance of the latest Safety and Health Act? How can we implement and control a sound safety and health programme at our workplace?

**The objectives are**

- To promote safety and health awareness at workplace.
- To create understanding on the Occupational Safety & Health Act and its regulations: Factories & Machinery Act and its regulations: Fire Services Act 1988 and its regulations.
- To provide guidance on the importance of safety and health in engineering works.
- To highlight the purpose and key elements of OSH Management.
- To give information on the elements of safe systems of work.



**2.1.10 12<sup>th</sup> July 2016****Steel Structures Symposium 2016: Steel Structures & Seismic*****Co-organized with Malaysia Cold-formed Steel Institute******Speakers: Associate Professor George Charles Clifton, Professor Emad Gad, Mr. James Lim & Associate Professor Nelson Lam***

This is a one-day specialized symposium providing in depth knowledge and general practice on steel & seismic design for steel structures. The symposium features four distinguished keynote speakers from the respective field in their areas of expertise. This symposium provides information that can be utilized by practicing engineers, designers, academicians, and others to broaden their technical knowledge base relating to steel structures, cold-formed steel, seismic design and relevant standards/codes. It is also an excellent introduction to the issues that can be encountered in steel structural design on seismic and how these problems can be overcome.

The objectives are

- To promote steel including cold-formed steel as building material of choice by the Malaysian construction industry.
- To promote sound engineering guidelines and policies in using steel structures and building products in Malaysia.
- To create awareness for designers and engineers in seismic design.

To provide a forum for exchange of view among various sector of steel industry in Malaysia on latest technical issues and topics

**2.1.11 19<sup>th</sup> – 20<sup>th</sup> July 2016****IEM Professional Interview Training and Certification Workshop*****Co-Organized with the Ad Hoc Committee on Revised PI Process & Professional Interview Board, IEM******Speaker: Ir. Lee Boon Chong & Ir. Tu Yong Eng******Attendance: 38 persons***

The main objective of the workshop is to train the Interviewers/Assessors on the revised PI process, and certify that they can conduct the professional interview accordingly. The revision gives an improved version of the existing Professional Interview in that it assesses competency based on evidence; and uses marking rubrics to minimize subjectivity in assessment. The revised process is closely referenced to the UK Standards for Professional Engineering Competence (UK-SPEC) for Chartered Engineers.





#### 2.1.12 20<sup>th</sup> July 2016

**Half- Day Awareness Programme Talk On Revise Of The Professional Interview Process  
Co-Organised with the Ad Hoc Committee on Revised PI Process & Professional Interview Board, IEM**

**Speaker: Ir. Lee Boon Chong & Ir. Tu Yong Eng**

**Attendance: 25 persons**

The revised PI process is not a new PI process. It is the revised version of the existing PI Process in that the structure of the existing PI Process remains the same, consisting of:

- Part 1: Documentary review of competency evidence to assess Applicant's eligibility and readiness for Professional Interview.
- Part 2: In-person assessment of Candidate that consists of face-to-face oral interview as well as writing two essays

The revision aims to **enhance** existing PI Process, where appropriate.

- Current Application Form
- Training and Experienced Report
- Assessment Method







#### 2.1.13 27<sup>th</sup> – 29<sup>th</sup> July 2016

##### **Analysis, Selection and Specification of Indoor MV Distribution Switchgear**

***Co-organized with Sarawak Energy Berhad***

***Speaker: Ir. Thum Peng Chew***

***Attendance: 1 person (5 Slots allocated to IEM Members)***

It is no longer acceptable to specify circuit breakers based on an incomplete set of parameters or by 'rule-of-thumb' methods. The IEC 62271 puts the onus of specifying circuit breaking requirements on the purchaser.

The purpose of this course is to examine the essential features that IEC requires in the specification of MV circuit breaker. First, it gives an overview of the function of MV circuit breaker in an electric power system as well as in commercial/industrial systems, covering its functions and its design and selection principles. It covers the various switching aspects and performance of various duties of current interruption. It also addresses the rating of the circuit breaker for load and short - circuit duties. Description of the main components of distribution switchgear will be given to enhance the understanding of their engineering aspects & practical considerations of their selection.

At the end of the course, the participant will benefit from having a wider knowledge base and appreciation of the basis of their function, selection and IEC specification for utility, commercial and industrial systems.

2.1.14 **8<sup>th</sup> – 9<sup>th</sup> August 2016**

**BEM Engineering Management Practice (Second series)**

**Co-Organized with IEM Training Centre Sdn Bhd**

**Speaker: Cdr. (Rtd) Ir. Raymond Swa**

**Attendance: 50 persons**



2.1.15 **16<sup>th</sup> – 18<sup>th</sup> August 2016**

**Design and Practice of Earthing Course**

**Co-Organized with Sarawak Energy Berhad**

**Speaker: Ir. Thum Peng Chew**

**Attendance: 4 persons (5 Slots allocated to IEM Members)**

The purpose of this course is to give an overview of the function of electrical earthing in a power system. It covers the general and fundamental characteristics of an earthing system and parameters that influence the flow of earth currents and the earth resistance value. The functions and behaviours of the various types of earths e.g. lightning, neutral and frame and electronic earths, are covered. Practical aspects are embedded in the course to enhance the appreciation of their design and practical application. The course explains the electrical shock criterion and shock situations and traces the development of earthing grid design. It then gives an introduction to the EMC problem that is now becoming a critical issue in computer control of the power system especially in the substation and industrial plant.

At the end of the course, the participant will have a wider knowledge base and appreciation of the basis for designing an earthing system from an experience of actual hands-on exercises conducted during the course.

To increase the benefits to the participants, it is required that they are fully engaged in actual hands-on exercises during the course.

**2.1.16 23<sup>rd</sup> – 26<sup>th</sup> August 2016****Project Management Certification Course PMP® Boot Camp: The Success path to be a Certified Project Management*****Co-organized with PMO Asia Sdn Bhd******Speaker: Ir. Dr. Mui Kai Yin******Attendance: 3 persons***

Beyond academic credentials, certification by the Project Management Institute (PMI®) as a Project Management Professional (PMP®) indicates that you've mastered essential project management skills and knowledge. This course is based primarily on the latest PMI® "A Guide to the Project Management Body of Knowledge, Fifth Edition", (PMBOK® Guide) standards that covers the five project management processes and ten knowledge areas. The 4-day boot camp is a comprehensive course that designed to prepare you to pass the PMP® exam at first attempt.

The objectives of this class is to prepare you for the PMP® examination and provide guidance on how to tackle exam questions and reduce your study time by focusing only on relevant exam topics. The training includes sharing exam taking experience from PMP® certified instructors and going through typical exam questions and answers. This improves your chances of passing the grueling PMP® exam on the first try. You'll find out exactly what components of your project management background will be tested so you know where to focus your attention during preparation. Learn from the project management experts how to make the most of your limited study time.



2.1.17 **1<sup>st</sup> September 2016**

**One-Day Seminar on “The efficient and effective way of laying and compacting a flexible pavement that is compliance to the standard specification for road works”**

***Co-Organized with IEM (Sarawak Branch), Lebuhraya Borneo Utara Sdn Bhd & Wirtgen (M) Sdn Bhd***

***Speaker: Ir. Pok Sum Loong***

***Attendance: 40 persons***

Public awareness on pavement quality and the increasing traffic loading have gained significant attention lately. This has triggered the road industry to address these increasing demands and needs. Riding quality and the improved structural strength are two importance parameters that required engineer's attention. Doing it right from the beginning is crucial and this helps to reduce future maintenance cost.

Selection of the correct construction methodology during the compaction and paving works by using the appropriate level control system contributed to produce a good riding quality and good structural strength for a pavement. The International Roughness Index (IRI) has been used to measure the road profile and riding quality on many roads in Malaysia. This quarter-car vehicle math model is used to calculate the accumulated response and yield the roughness index with units of slope (in/mi, m/km etc). Equipment and application methodology play an important role in pavement construction with good riding quality. Lately a three point averaging sonic sensors namely the Multiplex System has been introduced successfully in Malaysia. This system managed to assist road contractors to construct a pavement with riding quality which conforms to the local specification's requirements.

There are many alternative ways to increase the structural strength of a pavement. Polymer Modify Bitumen (PMB) is not new in this industry. The improved viscous elastic behaviour of PMB as compared to conventional penetration bitumen enable a road surfacing to be constructed with better resistant to permanent deformation and fatigue failure. With this improved mechanical properties, the PMB is now commonly used in many heavy loading areas. A pallet PMB that is flexible in application is the solution to address the logistic, handling, production and cost constraint issues as compared to the conventional supply mode.

Combined both the above good practices in pavement construction methodology and improved bitumen quality, a pavement with good riding quality and higher structural strain materials are now made possible for Pan Borneo Highway.





**2.1.18 20<sup>th</sup> – 22<sup>nd</sup> September 2016**  
**Electrical Power Distribution System Course**  
*Co-organized with Sarawak Energy Berhad*  
*Speaker: Ir. Thum Peng Chew*  
*Attendance: 1 persons (5 Slots allocated to IEM Members)*

The purpose of this course is to give an overview of the function of electrical power distribution in an electric power system as well as in industrial systems, of its sub-system functions, its planning and design principles. Tools for distribution analysis are derived. Description of the main components of distribution plant will be given to enhance the understanding of their engineering aspects and practical considerations of their selection.

At the end of the course, the participant will benefit from having a wider knowledge base and appreciation of the basis of planning and design of a distribution infrastructure system from an experience of actual hands-on exercises conducted during the course.

To increase the benefits to the participants, it is required that they are fully engaged in actual hands-on exercises during the course.

**2.1.19 11<sup>th</sup> – 13<sup>th</sup> October 2016**  
**EHV Substation – The Critical Factors Course**  
*Co-organized with Sarawak Energy Berhad*  
*Speaker: Ir. Thum Peng Chew*  
*Attendance: 2 persons (5 Slots allocated to IEM Members)*

This course answers the what, why and how of an EHV electrical substation in an electric power system covering a voltage range from 100kV up to 500kV. It gives an understanding of its component functions, its design principles, engineering aspects & practical considerations. At the end of the course, the participant will benefit from having added knowledge and appreciation of the critical factor that affect and EHV substation reliability and performance. It introduces some methods of sizing and specifying the key parameters of the EHV main equipment used in a substation. It thus:-

- Provides a good basis for the application of the knowledge to any substation project
- Provides an understanding of the substation critical factors that affects its reliability and performance.
- Provides a stronger engineering foundation for the optimal specification of substation components on technical and economic grounds.



2.1.20 17<sup>th</sup> & 18<sup>th</sup> October 2016**BEM Safety & Health at Work (Second series)***Co-organized with IEM Training Centre Sdn Bhd**Speaker: Mr. Saharani**Attendance : 26 persons*2.1.21 21<sup>st</sup> October 2016**Rapid Load Testing (RLT), & Recent Advancements in Geotechnical Instrumentation***Co-organised with Geonamics (M) Sdn. Bhd.**Speaker: Asst. Prof Er. Dr. Chew Soon Hoe, Dato' Ir. Chuah Lam Siang, Dr Tan Czhia Yheaw, Mr. Eric Hoe & Mr Anthony**Attendance: 63 persons*

Pile load testing is traditionally carried out using static methods (kentledge, tension piles, etc) and requires long duration, costly and manpower intensive. Since mid-80s, Rapid load testing (RLT) methods have been developed as an alternative and subsequently recognized by ASTM International (ASTM D7383-10) and Eurocode (Eurocode EN ISO 22477-10) as an accepted test method. The first part of this seminar will focus on the basic concept and theories about this method and the comparison between RLT and Static Pile Load Test. The second part of this seminar will focus on recent advancements in geotechnical instrumentation and monitoring works. In geotechnical engineering, there is always a need to evaluate the engineering properties of soil and rock, and its' interaction with the structures they support (such as diaphragm wall, slopes, dams, tunnels, etc). During the construction process, geotechnical instrumentation provides the crucial information about the actual field performance of the ground and/or structure. Advanced sensors that provide measurement in lateral and vertical displacement such as Shape Accel Array (SAA) enables engineers to obtain warnings or indications of impending failure, and assists in the quality control of construction operations and methods. Technology advancements in sensors manufacturing and tele-communications

have enabled newer, faster, and economical ways for engineers to obtain these geotechnical instrumentation data / information. Remote and real-time monitoring has become a norm than an exception in geotechnical monitoring. The concept and methodology of these advanced monitoring will be presented and discussed in this seminar.



#### 2.1.22 24<sup>th</sup> October 2016

##### **Pre-conference workshop on Introduction to Eurocode Design: Reinforced Concrete**

**Co-organized with UNIMAS**

**Speaker: Ir. Mohamad Salleh Yassin**

Eurocodes are pan-European set of design codes for building and civil engineering works. They will replace the existing codes published by the British Standards. This course is intended to give basic knowledge on structural design to Eurocode. An overview of the structure and scope of the Eurocode system is given and the current status of integration outlined. The Implementation of *EN 1992 - Design of Concrete Structures* to suite into current practice is considered and the key differences with the current *BS 8110* are also highlighted throughout.

Upon completion of the course, participants will be able to:

1. Describe the contents and structure of Eurocodes.
2. Identify the design basis and design criteria of EC0, EC1 and EC2.
3. Perform basic calculations for ultimate limit state and serviceability limit state based on EC2.
4. Describe the difference with BS 8110



**2.1.23 25<sup>th</sup> October 2016****Pre-Conference Workshop on Introduction to Eurocode Design: Structural Steel Design  
Co-organized with UNIMAS****Speaker: Associate Professor Dr. Ahmad Baharuddin Bin Abd. Rahman**

This course is aimed at civil and structural engineers seeking an understanding of the general rules, main features and changes contained in Eurocode 3 EN1993: Part 1-1: General rules and rules for buildings, Part 1-8: Design of joints.

The course will cover design of structural component and frames, structural loading, material properties, design at the ultimate and serviceability limit states.

After attending the course, participants will be able to:

1. Enhance their understanding of Eurocode provisions for the design of steel structures and joints;
2. Apply design principles and standards in accordance with Eurocode 3 and Singapore national annexes in the design of steel buildings;
3. Design structural steel frames and components in accordance with Eurocode 3 design principles & methodology

**2.1.24 26<sup>th</sup> – 27<sup>th</sup> October 2016****International UNIMAS STEM Engineering Conference (EnCon) 2016****Co-organized with UNIMAS****Speaker: Ir Dr Zuhairi Abd Hamid, Prof Dr Azlan Bin Adnan & Y.Bhg. Prof. Dato' Ir. Dr. Mohd Saleh Jaafar**

International UNIMAS STEM Engineering Conference (EnCon) 2016 is the Flagship Conference of the Faculty Of Engineering, Universiti Malaysia Sarawak (UNIMAS). With the theme 'Innovative Solutions for Engineering and Technology Challenges', the objectives of the current conference are to:

1. Provide a platform for researchers, academics, engineers, industrial professionals as well as graduate students to share their experience and findings especially on the solutions for engineering and technological challenges.
2. Promote and enhance networking opportunities among the participants from various backgrounds in the field of engineering and technology.
3. Push the limit knowledge of engineering and technology by sharing ideas and latest technological advances and innovative solutions.

**2.1.25 25<sup>th</sup> – 27<sup>th</sup> October 2016****EHV Overhead Transmission Line Design-Electrical & Mechanical Aspects****Co-organized with Sarawak Energy Berhad****Speaker: Ir. Thum Peng Chew****Attendance: 6 persons (5 Slots allocated to IEM Members)**

The electrical and mechanical design of EHV transmission line is done in the pre-tender stage; the construction contract limits the design to the civil, structural and sag-tension aspects of the line and the selection of the final line route. Once the construction is completed and the transmission line is found to operate with acceptable performance, the electrical and mechanical design itself is usually not changed. As the need for re-design is rare and far in-between, the design assumptions and method are left unvisited for a long time. The knowledge and the understanding of the electrical aspects of the transmission line tend to be lost even in the process of repeated construction projects. Power utilities should not lose this knowledge base. Unlike substation projects in which electrical design is an active component, transmission line electrical and mechanical designs need to be refreshed in the minds of transmission line engineers.

The purpose of this course is to re-visit the crucial aspects of the electrical and mechanical design of EHV transmission lines, 100kV up to 500 kV, which essentially determine their performance with respect to their exposure to the environment. First, it gives an overview of the operational requirement in respect of line loadability especially at 275 kV and 500 kV, which is particularly relevant to capacity utilization of long EHV lines. The course covers wayleave-width determination criteria, line design and component selection principles that influence electrical (electric fields, magnetic fields, EM and audible noise) and mechanical (wind actions of conductor/insulator swing, aeolian vibrations, sub-span oscillations and short-circuit motions) performance. The impact of aeolian vibrations on conductor tension is addressed through CIGRE recommendations. Air insulation coordination and clearances calculations are introduced. The mechanism of lightning shielding and backflashover performances are examined under typical environment conditions that are prevalent in a tropical and thunderstorm region.

The course enhances the understanding of the engineering aspects & practical considerations of their component selection and contains calculation examples based on ACSR code-named DRAKE conductor. At the end of the course, the participant will benefit from having a wider knowledge base and appreciation of the basis of their function, design and component selection of transmission lines for utility systems.

2.1.26 **2<sup>nd</sup> – 3<sup>rd</sup> November 2016**  
**BEM Code of Ethics/Regulations (Second Series)**  
*Co-organised with IEM Training Centre Sdn Bhd*  
**Speaker: Ir. Ellias Saidin**  
**Attendance: 36 persons**



2.1.27 7<sup>th</sup> – 10<sup>th</sup> November 2016**Project Management Certification Course PMP® Boot Camp: The Success Path to be a Certified Project Management Professional (Second Series)***Co-organized with PMO Asia Sdn. Bhd**Speaker: Ir. Dr. Mui Kai Yin**Attendance: 2 persons*2.1.28 15<sup>th</sup> – 17<sup>th</sup> November 2016**Advanced Gas Insulated Switchgear***Co-organized with Sarawak Energy Berhad**Speaker: Mr. Miklos Ecseri**Attendance: 1 person (5 slots allocated to IEM Members)*

Gas Insulated Switchgear (GIS) is the “technology of choice” amongst urban substation designs and its application and usage is gathering momentum, worldwide. The primary reasons why the technology is so readily embraced is the phenomenal space, and thus cost, saving of the GIS compared to similar Air Insulated Switchgear (AIS) models. The GIS can also be readily installed in confined spaces especially basements. GIS can be installed as indoor or outdoor options, the former being aesthetically pleasing and acceptable to the public. Other major advantages of GIS include excellent long term reliability, maintenance works not being affected by weather conditions, modular design which means easy extendibility, low long term Operations & Maintenance costs and a very high degree of operator safety despite being an ‘environmentally unfriendly’ gas.

GIS is a powerful and viable option to conventional AIS substation designs primarily due to the supreme properties of its SF<sub>6</sub> gas insulating material. SF<sub>6</sub> has a combination of fascinating electrical, chemical, physical and thermal properties which makes it a unique and indispensable insulating material in electric power equipment.

In designing HV GIS, importance must be placed on manufacturer dimensions and tolerances, electric and magnetic field distributions, electrostatic voltages, earthing, maintainability, extendibility, reliability in operation as well as safety of equipment and operator.

This course aims to arm the participants with an advanced understanding of the design, testing, operations and maintenance principles of a GIS so that the participants will have the skill and knowledge required to procure, install, test, operate and maintain a GIS.

**2.1.29 15<sup>th</sup> – 17<sup>th</sup> November 2016**

**EHV Substation – The Critical Factors Course (Second Series)**

*Co-organized with Sarawak Energy Berhad*

*Speaker: Ir. Thum Peng Chew*

*Attendance: 1 person (5 Slots allocated to IEM Members)*

**2.1.30 16<sup>th</sup> November 2016**

**Lightning Protection MS IEC 62305 (1 – 4) and MS IEC 61643 – 12)**

*Co-organised with Electrical Engineering Technical Division, IEM & Wise Pro Sdn Bhd*

*Speaker: Mr. Jeffrey Ng, Mr. Kenny Ong, Mr. SF Ng & Mr. Ritesh Lutchman*

*Attendance: 16 persons*

1. Are you still designing the Lightning Protection System based on the BS 6651:1999 British Standard?

Did you know that Malaysia has adopted the MS IEC 62305 Part 1 to 4 Protection Against Lightning since 2006 Britain replaced BS6651 with BS EN 62035 from 1<sup>st</sup> September 2008 What are the main differences between BS6651 and MS IEC 62305

2. Should a Risk Analysis be done for every project?

Yes!!

Explanation of Risk Analysis based on MS IEC 62305 Part 2 Simplify risk analysis with Dehn risk analysis software demonstration Level of external lightning protection based on risk analysis LPS I, II, III or IV

3. External Lightning Protection MS IEC 62305 part 3

Three components of External Lightning Protection: Air Termination, Down Conductors and Earthing Rolling Spehere Protection angle and mesh size according to LPS I, II, III or IV Placement of Air Termination Rod based on Rolling Sphere Definition and use of Seperation Distance 'S' Spacing between down conductors according to LPS I, II, III or IV Use of reinforcement bars as down conductors Welded Joints v/s clamped Joints v/s Bound joints v/s latched joints Types of Earthing; Type A or Type B Equipotential Earthing

4. Save up to 33% costs of material and labour by knowing the materials and installation methods while still complying to MS IEC 62305 standard.

LPS Materials and conditions of use. Table 5 MS IEC 62305 Part 3 Material, configuration and minimum cross-sectional area of air-termination conductors, air-termination rods, earth lead-in rods and down- Conductors. Table 7 MS IEC 62305 Part 3 Material, configuration and minimum dimensions of earth electrodes. Table 7 MS IEC 62305 Part 3

5. Internal Lightning Protection MS IEC 62305 Part 4

Should SPD (kA) discharge capability specification be 160 / 200kA - with "super low" let through voltage?? Does a SPD rated 200kA able to withstand a 200kA surge - 10/350us or 8/20us??? What International Standard is applied - IEEE (UL Std), BS Std, AS Std or the IEC

Std? What are the differences? Malaysia had adopted the IEC STD for Risk Analysis and SPD application Correct application for Lightning Current Protection (10/350us) and Surge (Transient) Current (8/20us). Differences in energy level For 10/350us or 8/20us?- video show Terminology :- per mode, per phase, per conductor, total surge, I<sub>max</sub>, I<sub>imp</sub>, I<sub>n</sub> etc...Do IEC Std recognize such phases? Differences and Comparison in Class I (Type1), Class II (Type2) and Class III (Type3) for ALL types of SPD - Spark gap technology vs MOVs and Coordination - Video show "SHORT CIRCUIT CURRENT RATING" or Short-circuit withstand - I<sub>sc</sub> of SPD IEC Std Testing required SPD to withstand the Prospective Short Circuit Current at point of installation - the "short-circuit withstand" of SPD must be rated eg: 50kA rms or 25kA rms with the coordinated fuses Is the Fuses / MCCB recommended by supplier correct?? To ensure correct Fuses / MCCB rating, IEC STD have recommended calculation and value against I<sub>crest</sub> (kA) for 10/350us and 8/20us



#### 2.1.31 17<sup>th</sup> November 2016

**Automatic Transfer Switch MS IEC 60947 (6 - 1) & Capacitors MS IEC 60831 (1 - 2)**  
**Co-organised with Electrical Engineering Technical Division, IEM & Wise Pro Sdn Bhd**  
**Speaker: Mr. Jeffrey Ng, Mr. Kenny Ong, Mr. SF Ng & Mr. Ritesh Lutchman**  
**Attendance: 6 persons**

1. MS IEC60947-6-1 for ATSE
  - a) Short circuit withstand of ATS
  - b) Category utilization - AC31/33 in "A" or "B"
  - c) Different Class of ATSS' - CB, PC & CC
2. The functionality and application for different types of Automatic Transfer Switch. Types of Automatic Transfer Switches available for different application such as :-
  - a) Standard Transfer : Open Type - Simple transfer system for small load
  - b) Closed Transition Transfer : Overlap Type - For interruption of power supply to load
  - c) Delay Transfer with "OFF" position: Open Type - The "OFF" position is important when transferring large motor load. This is to allow the magnetic field to "decay" before transfer to prevent back EMF generated by the motor which can trip the CB or blow the fuses.



- d) High Speed Transfer less than 20ms: Open Type - Introducing High speed transfer for loads such as electronic equipment without interruption. Comply with SEMI-F47, ITIC – Voltage / depth duration curve.
- 3. As required in MS IEC, together with the Smart ATS Controller, these Automatic Transfer watches function perfectly without much complications. The ATS Smart controller had functions or voltage, frequency and timer settings for types for application. Engine start / stop and other functions are also available from these Smart Controllers.
- 4. Comparison to other types of change-over devices as ATS.

### **"SHIZUKI" Power factor Capacitor and Reactor Bank**

1. Recently our Associate Association, TEEAM has been engaging with the Ministry of Energy, Green Technology and Water (KETTHA) to improve the Power Factor from the current level 0.85 up to 0.95. Power Capacitors are important components in the electrical power distribution and with higher PF at 0.95, it will be good for energy efficiency (EE). With higher EE, there will be less demand on fossil fuel, reductions of carbon emission and other resources. Maximum demand will be reduced accordingly. For best EE usage, it is even better at PF = 1.0
2. However, it is important to have the right selection of PF Capacitors for the type of loads to prevent high failure rates which may otherwise stress on the environments. Accidents such as fire may occur when capacitors fails. PF Capacitors designs are based on integrity protection with metalized PP film (for the capacitor elements) and impregnating materials. Long life operating capacitors are most friendly to the environment with more than 10 years operation. Careful consideration against harmonic contents and designed with other components in the PF Capacitors banks, it will operate without much problems throughout their life span and thus maintaining high constant PF.
3. Power Factor Capacitor Testing Criteria to MS IEC60831-1 & 2
  - a) Destruction Test - Case Integrity Test preventing rupture
  - b) Aging Test
  - c) Self-Healing Test
  - c) proper installation guideline
4. How to prevent case rupture?
5. How to select the correct reactor for the system?
6. System Design and Calculation for correct PF Compensation for Motor load &Transformer Harmonics solution





### 2.32 28<sup>th</sup> – 29<sup>th</sup> November 2016

#### **Design, Protection, Sizing and Installation of Low Voltage Electrical Installations of Buildings (Wiring) to MS IEC (IEC) 60364 & BS 7671 (IET/IEE Wiring Regulations)**

***Co-organized with UCTS, Sibul***

***Speaker: Ir. Lim Kim Ten***

Malaysia has adopted IEC 60364 as MS IEC 60364 for low voltage electrical installations of buildings in year 2003, replacing BS 7671 / IET/IEE Wiring regulations (The Regulations) as the primary electrical standard for low voltage fixed electrical installations. Moreover, two Malaysia standards: MS 1936 (Non – residential buildings) and MS 1979 (Residential Buildings) were developed to complement MS IEC 60364 with national deviations.

This two-day course shall discuss in detail the latest requirements on the design, protection, sizing and installation of electrical installation of buildings complying with MS IEC (IEC) 60364, MS 1936 and MS 1979, where national deviations of BS 7671 (IET/IEE Wiring Regulations) will be discussed. Specific requirements for special locations or installations, specifically bathroom, swimming pools and hospitals are overviewed in this two – day course.

This course shall benefit practicing engineers on the latest requirements of MS IEC (IEC) 60364/MS 1936/MS 1979 & The Regulations, and engineers preparing for their professional interview/assessment examination and professional competency examination (PCE).

### 2.1.33 30<sup>th</sup> November 2016

#### **Drainage Design for Sarawak to Comply with the Requirements of the Second Edition of the Urban Stormwater Management Manual for Malaysia (MSMA2)”**

***Co-organized with Dr. Quek & Associates***

***Speaker: Ir. Dr. Quek Keng Hong***

***Attendance: 21 persons***

It is required by law for development projects in Malaysia to provide drainage works that comply with the requirements of the *Urban Stormwater Management Manual (Manual Saliran Mesra Alam or MSMA)* guideline published by the *Department of Irrigation and Drainage (Jabatan Pengairan dan Saliran)*.

In July 2012, the Department released the second edition of *MSMA (MSMA2)* which superseded the earlier edition published in 2000. Published around eleven years after the first edition, the new *MSMA2* publication is not just a simple update, but a complete overhaul of the original document with changes in many topics. Because of this, many engineers are still not familiar with *MSMA2*.

There are many changes between the first and second editions of *MSMA* including changes in design parameters like design storm Average Recurrence Intervals (ARI), storm intensities, temporal patterns, peak discharges, discharge hydrographs and changes in computed storage



of On-Site Detention (OSD), detention basins and sediment basins. The changes in these design parameters were quantified for Kuala Lumpur and reported in papers by Dr. Quek as follows (note these changes vary between different parts of Malaysia):

1. The design storm has increased by up to 126%.
2. The design discharge using the Rational Method has gone up by up to 131% for commercial and city area.
3. The peak discharge using the Time-Area Method has increased by 127%.
4. The Site Storage Requirement for OSD for a factory site has increased by 190%.
5. The volume of detention basin for a site has increased by up to 130%.
6. The volume of wet sediment basin has increased by 165%.

Overall, *MSMA2* provides more extensive coverage for West Malaysia than for East Malaysia on a number of key topics. Following are the specific issues facing Sarawak in applying *MSMA2*:

1. *MSMA2* do not provide the storm IDF data for East Malaysia. This results in problem in computation of peak discharges using the Rational Method or the computation of hydrographs using the Time-Area Method which are required for the sizing of most structures.
2. *MSMA2* do not provide the temporal patterns for East Malaysia. This results in problem in deriving the rainfall hyetograph needed for hydrograph methods e.g., Time-Area Method and reservoir routing.
3. The OSD design procedure in *MSMA2* divides the Peninsula into five regions via Figure 5.A1 and includes only 17 major towns in Peninsula in Table 5.A2. Both of them do not cover East Malaysia.
4. For rainwater harvesting- although relatively new in Sarawak, rainwater harvesting has been common practice for major cities in Peninsula. *MSMA2* provides the Average Annual Rainwater Yield in 17 major towns in Peninsula- none of which are in East Malaysia.

For Sarawak, valuable lessons can be learned from Peninsula in the application of *MSMA2*. This is particularly true on the design of OSD. In Peninsula, the first and second editions of *MSMA* take a different approach in the design of OSD. In the first edition, it is based on the *Swinburne Method*; whereas in the second edition it is based on a method known as the *Approximate Swinburne Method*.

Feedbacks from the industry revealed that the sizes of the OSD storage (*Site Storage Requirement* or *SSR*) computed using the second edition of *MSMA* are much bigger than that computed using the first. Separate studies by Dr. Quek showed that the *SSR* computed using the *Approximate Swinburne Method* can be more than double of that computed using the *Swinburne Method*. All these findings have serious implication for the industry as it has resulted in higher cost of construction. The same can be avoided in Sarawak.

The following topics are covered in the seminar:

1. Problems in Applying *MSMA2* in Sarawak- This covers specific problems in applying *MSMA2* in Sarawak including the lack of design data on storm intensities, temporal patterns, OSD and rainwater harvesting.
2. Design Storm- Acquiring storm data for Sarawak since *MSMA2* do not provide storm data for East Malaysia.
3. Temporal Patterns- Acquiring temporal patterns for Sarawak since *MSMA2* do not provide temporal patterns for East Malaysia.
4. OSD- Different approach to the design of OSD for Sarawak since *MSMA2* do not cover East Malaysia. Cost optimization of OSD.
5. Rainwater Harvesting- Approach to rainwater harvesting for Sarawak since *MSMA2* do not cover East Malaysia.



- 2.1.34 **6<sup>th</sup> – 7<sup>th</sup> December 2016**  
**BEM Engineering Management Practice (Third series)**  
*Co-Organized with IEM Training Centre Sdn Bhd*  
*Speaker: Cdr. (Rtd) Ir. Raymond Swa*  
*Attendance: 26 persons*



- 2.1.35 **21<sup>st</sup> – 22<sup>nd</sup> December 2016**  
**Project Management: Risk Management for Project Leaders**  
*Co-organized with PMO Asia Sdn Bhd*  
*Speaker: Ir. Dr. Mui Kai Yin*  
*Attendance: 17 persons*

Project risk has its origins in the uncertainty present in all projects. Known risks are those that have been identified and analyzed, making it possible to plan responses for those risks. Specific

unknown risks cannot be managed proactively, which suggests that the project team should create a contingency plan (*PMBOK® Guide*).

Project Risk Management includes the process of conducting risk management planning, identification, analysis, response planning, and monitoring and control on a project. The objectives of Project Risk Management are to increase the probability and impact of positive events, and decrease the probability and impact of negative events in the project (*PMBOK® Guide*).

With the knowledge and skills acquired at the end of the training program, the trainees will be able to use practical risk management processes, tools and techniques to manage project risks of any size and nature. This will in turn ensure successful project completion, meeting project scope, cost and schedule.

The trainees will also work through the proactive approach to threat and opportunity risks — based on a clear understanding of the powerful nature of both qualitative and quantitative approaches to risk management. The training examines threat and opportunity from both a top-down and bottom-up perspective of 6 risk management processes. Using effective tools, the trainees will learn how to evaluate and respond to risk at the project and task levels.

This course is conducted by an experienced project director and a certified PMP® trainer with an extensive exposure to management of R&D, NPI Manufacturing, Construction, and Operational Projects on a global scale with a few well known international technology companies.



- 2.1.36 **10<sup>th</sup> – 13<sup>th</sup> January 2017**  
**500kV Switchyard Design – Basic Principles**  
*Co-organized with Sarawak Energy Berhad*  
**Speaker: Ir. Thum Peng Chew & Ir. Leong Whye Hin**  
**Attendance: 1 person (5 slots allocated to IEM Members)**

This course provides participants with an understanding of the fundamental principles of high voltage switchyard with special emphasis on the substation design, busbar configuration,

transformers, lightning shielding, insulation coordination and earthing grid.

This course will be conducted by industry renowned experts with a great wealth of experience in this field. This course has been masterfully designed to provide its participants with a detailed understanding and appreciation of 500 kV Switchyards.

The course is primarily designed for the benefit of Managers and Engineers who are involved in Substation Projects in the engineering, design, construction, commissioning, operating and maintaining of HV substation equipment. This course is also appropriate for engineers working in the electricity supply industry who require broad knowledge of the project management, substation design, scope, schedule, costs and project execution activities.

#### 2.1.37 10<sup>th</sup> January 2017

##### **Courtesy visit to Padawan Municipal Council, YB Cr. Ir. Lo Khere Chiang**



#### 2.1.38 11<sup>th</sup> – 13<sup>th</sup> January 2017

##### **Autodesk Road Design with AutoCAD Civil 3D 2017**

##### **3 Days Essentials Training Course & Introduction to InfraWorks 360 for BIM Projects**

##### ***Co-organized with Enrich Cosmopolitan***

##### ***Speaker: Mr. Noor Azhar Mohd Nor***

Autodesk AutoCAD Civil 3D has been well known for robust and versatile Building Information Modeling (BIM) solution for civil and infrastructure projects which include road projects.

In this 3-day training session, participants will learn the tools to clean-up the survey drawings, converting them into 3D information and transpose them into 3D digital terrain model (DTM) surface.

Comprehensive analysis tools are available among others; water catchment area, elevation and slope analysis based on local standard.

A model is not completed without the proposed platform levels being modeled into the 3D surface and proper earthwork cut/fill volume calculation will be achieved based on TIN Volume Method, Average End- Area Method and Grid Method. Learn how to quickly balance the



earthwork volume to the optimum design and produce compelling cross-section detailing and hatching of cut/fill zones.

In the end, when the model is finalised, we shall embed Google Earth and BING map images into the proposed 3D model for impressive and informative presentation for the project portfolio.

Proper access road modeling is important to ensure initial cost of the project is optimised. Explore the quick alignment generation tool together with proposed profile layout. Superelevation and alignment geometry design based on local standard are also included. Generating cross-section details and earthwork volume calculation and balancing are crucial in any road and highway project.

#### 2.1.39 6<sup>th</sup> – 9<sup>th</sup> February 2017

##### **Project Management Certification Course PMP® Boot Camp: The Success Path to be a Certified Project Management Professional (Third series)**

*Co-organized with PMO ASIA SDN BHD*

*Speaker: Ir. Dr. Mui Kai Yin*

*Attendance: 7 persons*



#### 2.1.40 23<sup>rd</sup> February 2017

##### **Steel Material Selection and Compliance with Structural Eurocodes**

*Co-organized with Hiap Teck Venture Sdn Bhd*

*Speaker: Prof. Chiew Sing-Ping*

*Attendance: 66 persons*

The Structural Eurocodes are to be fully implemented in Malaysia. While it is useful to implement a set of advanced structural design codes from Western Europe, it is important to take cognizance of the fact that we are not part of the European Union and most, if not all, of

our structural materials for construction are coming out from the Asia-Pacific region, and they are manufactured to a variety of national and international product standards. There are many issues related to proper selection of steel materials and in this connection, this industrial-sponsored seminar on *Steel Material Selection and Compliance with Structural Eurocodes* is organized specially to discuss and to raise awareness of some of the more pertinent issues which will affect quality and structural adequacy in our design of steel and composite steel-concrete structures in our built environment.



2.1.41 **3<sup>rd</sup> March 2017**  
**Half Day Talk on Programming for Engineers**  
**Speaker: Mr. Chee Shai Choon**  
**Attendance: 45 persons**

Nowadays, human cannot live without information technology (IT). Latest development is about AutoDrive car. Currently there is a lot of news regarding it. Certain countries are started to use it. Everyday people will go to Facebook, YouTube to watch or read any info posted as compare to television. People started read digital newspapers instead of conventional newspapers. Even, people use WhatsApp, WeChat, and Skype to communicate between each other. Those early days, people communicate by posting letters; whereby now people use email. Many of IT gadgets or tools are slowly takeover traditional daily life style. Like phone call or SMS is replaced by internet call or messaging. It will save a lot of money especially any international calls. Whether you like it or not, IT getting more and more important among our daily works. What really behind them, it is "PROGRAMMING".

In engineering perspective, how IT can help engineers in their daily works? Here speaker will give a real engineering project to illustrate how speaker will use IT to accomplish a project in short of period as compared to conventional method. One main portion of IT that he adopted is by "PROGRAMMING" in which normal engineers have been ignored it all the time.

This talk is to provide some guidance on how "PROGRAMMING" can help engineers. Most of the illustration here will base on consulting firm environment.

- Get to know current trend of IT.
- Important of programming.
- Tools and gadget get use it to help engineers.
- How programming can help engineers



2.1.42 6<sup>th</sup> – 7<sup>th</sup> March 2017  
**BEM Safety & Health at Work (Third series)**  
*Organized by IEM Training Centre Sdn Bhd*  
*Speaker: Mr. Zamri*  
*Attendance : 33 persons*





2.1.43 9<sup>th</sup> March 2017

- Courtesy visit to YBhg. Dato' Richard Alexander John Curtis, Group Managing Director of Cahya Mata Sarawak (10.30am)



- Courtesy visit to En. Sharbini Suhaili Group CEO, Sarawak Energy Berhad (3.00pm)

2.1.44 13<sup>th</sup> & 14<sup>th</sup> March 2017**Course on "Design Concepts of Plumbing & Soil Waste Vent Systems"*****Speaker: Ir. Gary Lim Eng Hwa******Attendance: 16 persons***

This course covered some sections of the Professional Competence Exam (PCE) Part B – Hydraulics (20%) of the Mechanical Paper, UTG, MS1402 and BS6700.

At the end of the training course, participants would be able to:

- Understand the basis to determine the cold water storage demand and size the transfer pump accordingly. This is in accordance to the latest SPAN Uniform Technical Guidelines.
- Select the suitable type of pumping system to meet the water usage requirements namely direct, variable speed drive, and pneumatic tank.
- Select the piping material amongst the many choices of plastic and metal.
- Calculate the piping size for cold water in accordance to the BS6700 standard methodology of Loading Units.
- Take preventive measures to minimize the impact of water hammer to the pipe lines by way of design and selection of the right equipment.
- Determine the stack size of Soil, Waste, Vent (SWV) using Discharge Unit methodology and understand the constraints impose on branch discharge pipe in particular on the gradient to minimize blockage.
- Understand the factors which contribute to smelly toilets and the solutions
- Observe poorly installed plumbing and SWV systems which are preventable



- 2.1.45 **16<sup>th</sup> – 17<sup>th</sup> March 2017**  
**Project Management: Risk Management for Project Leaders at Sibü (Second series)**  
*Co-organized with PMO Asia Sdn Bhd*  
**Speaker: Ir. Dr. Mui Kai Yin**  
**Attendance: 27 persons**



- 2.1.46 **23<sup>rd</sup> March 2017**  
**One Day Workshop on Design and Application of Cold Formed Steel in Buildings**  
*Co-organized with EcoSteel Sdn Bhd*  
**Speakers: Prof. Emad Gad, Mr. Jack Chum & Mr. Ken Watsons**  
**Attendance: 155 persons**

This is a one-day specialized workshop providing intimate understanding of the design requirements and the application of cold-formed steel in buildings. This workshop will feature three distinguished keynote speakers in the area of application of cold-formed steel. This Workshop will present background, requirements of standards and step by step design method based on NASH. This Knowledge can be applied by practicing engineers, designers, academician, and the industry to broaden their knowledge-based relating to, cold-formed steel and its relevant standards or codes. This workshop excellent to the issues that can be

encountered in the steel structural design on seismic and how these problems can be overcome.



**2.1.47 29<sup>th</sup> March 2017**

**Courtesy visit to YB Tan Sri Datuk Amar Dr. James Jemut Anak Masing, Deputy Chief Minister and Minister of Infrastructure Development and Transportation Sarawak**



2.1.48 Overall, a total of 594 hours CPD/PDP has been organized for session of 2016/2017.

### 3.0 Nomination & Election Result

During the 9<sup>th</sup> Branch Committee Meeting (278<sup>th</sup>) for session 2016/2017 on 7<sup>th</sup> April 2017, **Ir. Tang Chok Khing, Vincent (M07369)** was re - elected by the committee members as the second term Chairman of the IEM (Sarawak Branch) for Session 2017/2018.

As stipulated in By-Laws No. 7, nomination notice was issued on 1<sup>st</sup> March 2017 to invite for the posts of Vice Chairman (2 vacancies), Honorary Secretary (1 vacancy), Honorary Treasurer (1 vacancy) and Ordinary Committee Member (4 vacancies).

The nomination of Committee vacancies for session 2016/2017 were closed by 5:00pm on Friday, 28<sup>th</sup> April 2017 and result of nominations are as appended below.

As a result of the above, the following candidates were elected unopposed for the respective office:

**Vice Chairman** (2 vacancies for session 2017/2018)

Ir. Dr. Dominic Ong Ek Leong (M19462)

Ir. Sim Hui Kheng (M19167)

**Honorary Secretary** (1 vacancy for session 2017/2018)

Ir. Tan Joo Kok, Johnny (M41506)

**Honorary Treasurer** (1 vacancy for session 2017/2018)

Ir. Dr. David Bong Boon Liang (M17676)

**Committee Members (Mechanical Discipline)** (1 vacancy for session 2017/2018)

Ir. Bernard Wong Shuen Yuan (M75166)

**Committee Members (Electrical Discipline)** (1 vacancy for session 2017/2018)

Ir. Janang Ak Bungsu (M21883)

**Committee Members (Civil Discipline)** (1 vacancy for session 2017/2018)

Ir. Law Sie Ding, Jonathan (M57343)

**Committee Members (Any Discipline)** (1 vacancy for session 2017/2018)

Ir. Irwan Zulkarnain B. Muhd Hasbie (M13425)



#### 4.0 Professional Interview

During the session, the branch has recorded a total of 35 candidates who has sit for their Professional Interview. 5 candidates undergoing the process and 1 case retured to IEM HQs.

##### PE Interview Summary, April 2016 to March 2017

No	PE Interview	Discipline				Sub Total
		Civil	Electrical	Mechanical	Others	
1.	Appointment	3	1	-	-	4
2.	Interviewed	16	7	4	-	27
3.	Returned Case	2	-	2	-	4
<b>Total</b>						<b>35</b>

## 5.0 Update on Propose IntEC (Proposed International Engineering Centre)

In 2016, IEM (Sarawak Branch) (IEMSB) fully settled the IntEC soft loan provided to IEMSB by IEM HQ amounting to RM500,000.00.

On 30 January 2016 and 22 April 2017, the IEM Annual Dinner cum fund raising events were held to raise funds for the development of IntEC.

Funds raised in the Annual Dinner 2016 amounting to RM 294,412.42 was used to clear the remaining amount of soft loan from IEM HQ which is for the payment of the land premium.

In the just concluded Annual Dinner 2017, a total amount of RM 232,183.87 was raised for the proposed Phase 1 of the IntEC development.

The committee members had since paid courtesy calls to:

- Dato Richard Curties, Group CEO, CMS Berhad, who agreed to sponsor building materials
- Tan Sri Datuk James Masing, Deputy Chief Minister of Sarawak, who agreed to assist financially in terms of 1-to-1 matching grant

The committee members would like to conceptually propose that the development of IntEC Phase 1 to include the following facilities & infrastructure:

- Stadium seating Lecture Theatre (200 capacity)
- Lecture Hall (75 capacity)
- IEMSB Office
- Open foyer
- Carpark

Please see the attached brochure for some of the IntEC conceptual design (subject to further design changes if necessary)

IEM (Sarawak Branch) would also like to invite dedicated fellow professionals (engineers, architects, quantity surveyors etc.), generous donors and suppliers to come forward to assist with the proposed development of IntEC perhaps in the form of:

- Building materials: Piles, cold-formed steel (CFS), architectural claddings
- Smart building components: energy management system (EMS), sub- metering system, metering and leak detection system, rain water harvesting, solar panel, manual and automatic dimming devices, LED lightings and daylight glare control blinds
- Interior/exterior furniture: for seminar room, lecture hall, office and common lounge
- Interior/exterior landscaping

Subsequent action required for the development of IntEC Phase 1 in 2017-2018:

- Formalising the modus operandi of the IntEC development;
- Appointment of the IEM (Sarawak Branch) 2017-2018 Committee Members and to form the IntEC 2017-2018 Standing Committee;
- Main committee of IEM SB to formulate IntEC development business plan;
- Main committee of IEM SB to prepare Terms of Reference (TOR) on appointment of consultant on a volunteer basis;
- Main committee to perform procurement of services upon endorsement of all the above by the IEM members in the 2017 Annual General Meeting (AGM).

*Proposed  
International Engineering Centre (IntEC)  
and the  
New IEM Sarawak Branch Building*



**Aim:**

Promoting and advancing scientific and professional aspects of engineering for the benefit of Sarawakians in particular and Malaysians in general.

**Goals:**

- Promote advancement & expertise in various engineering fields
- Collaborate with local universities on applied research
- Enhance integration of knowledge & adoption of innovative technology
- Promote life-long learning

**Proposed Facilities & Infrastructure - Phase 1**

- Lecture Theatre (200 capacity)
- Lecture Hall (75 capacity)
- IEMSB Office
- Open foyer
- Carpark

**Fundraising & Sponsorship**

Seeking corporate sponsorship & donation for:

- Building materials
- Smart building components
- Interior/exterior furniture
- Interior/exterior landscaping

**Location of IEM land for IntEC development Phase 1**

Kota Samarahan, 2.474 hectares or 6.11 acres



Lecture Theatre



Common Lounge



Lecture Hall

*For more information, please kindly contact:  
IEM Sarawak Branch Tel: 082 - 428 506  
E-mail: iemsarawak@gmail.com*



**Proposed International Engineering Centre (IntEC)  
and the New IEM Sarawak Branch Building**



**Legend**

1. Lecture Theatre
2. Office & Common Lounge
3. Lecture Hall
4. Green Roof Reducing Heat Gain
5. Solar Panel
6. 'SkyLight' Utilising Natural Light
7. Solar Panel
8. Roof Insulation Minimising Heat Transfer
9. Elevated Rainwater Harvesting Tank

## 6.0 Report From IEM (Sarawak Branch) Sibü Sub Region

### 6.1 IEM (Sarawak Branch) Sibü Sub Region Committee Members Session 2016/2017



**From left to right, Seated: Ir Patrick Tong, Engr. Sim Kok Kee , Ir Wong Siong Boon, Ir Richard Soh Siau Chui, Ir. Tiong King Wei, Mr. Lau Pon Yin, Mr. Siew Kok Kiong, Back row: Ir. Anderson Sie Teck Sung, Ir. Sia How Teck, Ir. Ting Sing Kwong, M. Jong Thian Puk**

Patron	Ir. Daniel Wong Park Ing (M04843)
Advisor	Ir. Tiong King Wei (M07250)
	Ir. Vincent Tang Chok Khing (M07369)
Chairman	Ir. Richard Soh Siau Chui (M11407)
Deputy Chairman	Ir. Wong Siong Boon (M07539)
Vice Chairman	Mr. Lau Pon Yin (G29034)
Secretary	Mr. Siew Kok Kiong (G28818)
Assistant Secretary	Ir. Goh Thiam Ho (M23655)
Treasurer	Mr. Jong Thian Puk (G13300)
Assistant Treasurer	Ir. Ting Sing Kwong (M06613)
CPD & Education Working Committee	Ir. Sie Teck Sung (M20950 )
Asst. CPD & Education Working Committee	Mr. Lau Siew Wei
Social Community Service Working Committee	Ir. Sia How Teck (M16554)
Asst. Social Community Service Working Committee	Mr. Lau Tiew Leong
Social & Sports Working Committee	Ir. Hiew Si Tien (M26807)
Asst. Social & Sports Working Committee	Mr. Abdul Rahman Bin Taupek
Exco	Mr. Sim Kok Kee
	Ir. Patrick Tong Hing Lee (M09607)
	Ir. Teo Nguong Leong (M18806)



## 6.2 Snapshots of Sibü Sub Region Activities & Events for session 2016/2017

The Sub Region reported that during the session, it had organized the following activities:

### 6.2.1 27<sup>th</sup> May 2016

2<sup>nd</sup> Meeting of Committee Members Bill No. 2/2016

### 6.2.3 28<sup>th</sup> May 2016

Visit of Ir. Robert King (Chairman) and Ir. Yeo Joon Chiew (Secretary) of IEM Bintulu Regional office.



### 6.2.4 1<sup>st</sup> June 2016

Dinner of Grandson for first full moon after birth hosted by Ir Wong Siong Boon, Deputy Chairman being promoted of “datukship” – grandpa.



**6.2.5 17<sup>th</sup> March 2017**

Dinner to entertain the official of IEM (Sarawak Branch) at the Happy Gathering Restaurant

**6.2.6 17<sup>th</sup> March 2017**

Meeting of IEM (Sarawak Branch) held at the GBU Hotel, the IEM Sibu Regional committee members were invited to attend, namely Ir. Richard Soh Siau Chui, Ir Wong Siong Boon, Ir. Anderson Sie Teck Sung, Ir. Sia How Teck, Ir. Goh Thiam Ho, Mr. Lau Pon Yin, Mr. John Thian Puk and Mr. Siew Kok Kiong.





## 7.0 **Report From IEM (Sarawak Branch) Bintulu Sub Region**

### 7.1 **IEM (Sarawak Branch) Bintulu Sub Region Committee Member 2016/2017**

Chairman	Ir. Robert King Ik Chian (M17186)
Secretary	Ir. Francis Abligado Bujet (M29661)
Treasurer	Ir. Yeo Joon Chiew (F07290)
Committee Member	Ir. Chieng Lee Hong (F14327)
	Ir. Ahmad Rafidi B Mohayiddin (M22228)
	Ir. Tay Mui Poh (M16844)

### 7.2 **Snapshots of Bintulu Sub Region Activities & Events for session 2016/2017**

The Sub Region reported that during the session, it had organized the following activities:

#### 7.2.1 **28<sup>th</sup> May 2016**

##### **Dialogue with IEM (Sarawak Branch) Sibul Region**

On 28<sup>th</sup> May 2016, the Committee of IEM (Sarawak Branch) Bintulu Region led by Ir. Robert King paid a visit to the Committee of IEM (Sarawak Branch) Sibul Region. The dialogue session was held at God Bless You Hotel located in Sibul. Topic discussed includes better collaboration on Technical Visit and Seminar organized in the regions with the aim to enhance the services and reach-out to our IEM members residing within the regions.

#### 7.2.2 **3<sup>rd</sup> & 5<sup>th</sup> June 2016**

##### **Networking with IEM Members from IEM Kota Kinabalu and IEM Miri Branch**

The committee of IEM Sarawak Branch Bintulu Region led by Ir. Robert King hosting a Professional Networking session with visiting professional engineers from IEM KK Branch and IEM Miri Branch on the 3<sup>rd</sup> June and 5<sup>th</sup> June held at The Mines and New Happy Garden respectively. IEM Members were introduced in the sessions; various topics encompassing projects visit and collaboration among the branch office and regional office were discussed.



### 7.2.3 15<sup>th</sup> September 2016

#### Technical Site visit to Malaysia LNG Plant, PETRONAS LNG Complex, Bintulu

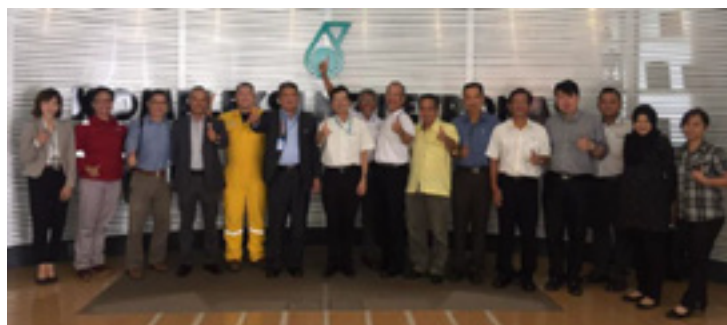
IEM Bintulu Region organized a Technical Visit to SHELL Middle Distillate Plant in Bintulu. More than 50 engineers from Bintulu, Sibul and Miri participated in this Technical Visit.



### 7.2.4 25<sup>th</sup> November 2016

#### IEM-IMM Task Force of Upskilling Sarawak Engineers & Technicians (USET)

With the objective to support the local industry in Bintulu by upskilling the workforce competency towards achieving sustainable technical competency, a Task Force setup by The Institution of Engineers Malaysia Sarawak Branch Bintulu Region and IMM Bintulu Chapter in 2016.



## 8.0 Report from Graduate & Student (G&S) Section (YES)

### 8.1 Graduate and Student Section Committee 2016/2017



Chairman	: Mr. Jason Yeo Kok Seng (G76037)
Immediate Past Chairman	: Dr. Ling Tong Wei (G43952)
Vice Chairman I	: Mr. Lim Kim Ong, Edison (G32868)
Vice Chairman II	: Mr. Stephen Yee Han Min (G79296)
Secretary / Treasurer	: Mr. Victor Bong Nee Shin (G72205)
Vice Secretary / Treasurer	: Ms. Lee Mei Ping (G28489)
PD (Activities)	: Mr. James Sim Wei Hong (G79319)
PD (Activities)	: Mr. Erwin Effendy Bin Sajali (G71681)
PD (Professional Development)	: Mr. Wilfred Wong Kam Veng (G58658)
PD (Professional Development)	: Ms. Chin Lin Wei, Jessie (G88488)
PD (Graduate Affairs)	: Ms. Norwati Binti Hj. Mohd Ali (G43118)
PD (Student Affairs)	: Dr. Liew San Chuin, Angelia (G25519)
PD (Social & Community)	: Mr. Mohd Hafiez Izzwan B. Saad (G54223)
PD (Publicity)	: Ms. Thong Chia Chia (G81308)
PD (External Affairs)	: Mr. Chan Kwok Kwang, Mark (G34159)
PD (Sports & Recreation)	: Ms. Alin Ng Mui Heya (G90002)

### 8.2 Snapshots of Graduate & Student Section activities & events

Graduate & Student Section reported that during the session, it had organized the following activities:

#### 8.2.1 16<sup>th</sup> April 2016 57<sup>th</sup> IEM Annual General Meeting and 57<sup>th</sup> Annual Dinner & Awards Night

11 YES committee members attended the IEM AGM at Wisma IEM, Petaling Jaya and the Annual Dinner & Awards Night at Sunway Resort Hotel & Spa, Bandar Sunway.





### 8.2.2 **18<sup>th</sup> April 2016** **Inter-Branch Technical Site Visit to MRT Cochrane Underground Site**

Following the IEM HQ 57<sup>th</sup> Annual General Meeting and the 57<sup>th</sup> Annual Dinner & Awards Night held in Kuala Lumpur, the YES members took the opportunity to organize an Inter-Branch Technical Site Visit with YES HQ and UTAR Student Section to the MRT Cochrane underground site.

The Klang Valley Mass Rapid Transit (KVMRT) is Malaysia's largest infrastructure project. It was announced in December 2010 by the government, and was launched by Prime Minister Datuk Seri Najib Tun Razak on 8 July 2011. The KVMRT is part of the Economic Transformation Programme (ETP), which is a comprehensive effort that will transform Malaysia into a high-income nation by 2020.

The KVMRT will be integrated with LRT, Monorail, KTMB Komuter and intra/inter-city buses, connecting Sungai Buloh to Kajang. The KVMRT line is 51km long, where 9.5km of the line is underground. It consists of 31 stops, in which 24 of them are elevated stations and the remaining 7 are underground stations.



### 8.2.3 **9<sup>th</sup> May 2016** **IEM (Sarawak Branch) Graduate & Student Section Annual General Meeting**

IEM (Sarawak Branch) Graduate & Student Section held their Annual General Meeting on 9 May 2016 at G407, Swinburne University of Technology, Sarawak Campus. The meeting started at 7.30pm with presentation of reports on the activities and finances for Session 2015/2016, and was immediately followed by the election process. Successfully elected committee members are listed as follows:

PD (Activities)	: Erwin Effendy Bin Sajali
PD (Professional Development)	: Chin Lin Wei, Jessie
PD (Graduate Affairs)	: Norwati Binti Hj. Mohd Ali
PD (Social & Community)	: Mohd Hafiez Izzwan B. Saad
PD (Sports & Recreation)	: Alin Ng Mui Heya

The Chairman thanked everyone for their efforts and looked forward to working with all committee members in the future. The AGM concluded at 8.30pm.

#### 8.2.4 **14<sup>th</sup> May 2016** **Technical Visit to Batang Sadong Bridge** **Attendance: 31 persons**

The Proposed Batang Sadong Bridge, Kampung Sungai Buloh, Kota Samarahan is an important project to complete the coastal link by road between Sebuyau and Kota Samarahan. The road from Kota Samarahan to Kampung Buloh and the road from the opposite bank of Batang Sadong through Sebangon to Sebuyau had been constructed. The major objectives of the Batang Sadong Bridge are:

- To complete the coastal link by road between Sebuyau and Kota Samarahan;
- To reduce travelling time and to ensure an all-weather and safer mode of transportation across Batang Sadong. Currently using ferry to cross Batang Sadong river;
- To improve social-economic development of the coastal region;

The objectives of this site visit are:

- To enabled interested members from IEM (Sarawak Branch) to visit and learn various operation, construction method and project issues of the project;
- To allow members to be aware on the current development and construction activities around Kuching-Samarahan Division.
- To further improve and broaden the knowledge and skill of engineers in performing their duties in line with current practice and regulations. Part of executing the PDP and CPD Programmes.



#### 8.2.5 **25<sup>th</sup> June 2016** **IEM Blood Donation Drive 2016** **Collaborated with Malaysian Red Crescent Society (Stampin Chapter) and Sarawak General Hospital (SGH) Blood Bank**

This is IEM's annual event to meet the needs of hospital and will aid in emergency cases during festive seasons. Thus, the objectives for this Blood Donation Drive were:

- To sustain an adequate supply of blood during the festive season
- To create awareness of the importance of donating blood
- To promote the IEM's upcoming event, IEM Engineer's Run 2016

Overall, the event received a total of 70 registered donors.



#### 8.2.6 **16<sup>th</sup> July 2016** **Appreciation Dinner for IEM (Sarawak Branch) Graduate & Student Section 2015/2016**

A total of 37 members who attended the dinner at Hilton Hotel, Kuching, including the IEM Sarawak Branch committee members, IEM Graduate and Student Section committee members, standing committee members, and Swinburne Sarawak student section committee members.

This event aimed to appreciate the dedication and passion of fellow young engineers in serving and giving back to the society. IEM (Sarawak Branch) G&S Section is grateful for the support and contributions of the exco members, committee members and standing committee members to the institution.

The dinner successfully concluded at 10.00pm.



#### 8.2.7 **23<sup>rd</sup> July 2016** **IEM Young Engineers Section (YES) Annual Dinner**

The Institute of Engineers Malaysia Young Engineers Section 48<sup>th</sup> Annual Dinner was held on 23 July 2016 at EX8, Subang Jaya. The theme was "The Game Is On!". Two representatives from YES Sarawak attended the event, which received approximately 110 guests including IEM members, YES members, council members (invited guests) and representatives from sponsors.



#### 8.2.8 **28<sup>th</sup> – 31<sup>st</sup> July 2016** **National Summit (NATSUM) 2016**

The Institution of Engineers Malaysia (IEM) Young Engineers Section (YES) Sarawak Branch organized the IEM-YES National Summit 2016 in Kuching from 28 to 31 July 2016. The theme was of this event was “Inform, Involve, Influence”. In total, YES Sarawak hosted 105 delegates from eight YES branches nationwide, including Kuala Lumpur, Penang, Pahang, Perak, Johor, Sabah and Miri.

The IEM-YES National Summit is one of the most prestigious events in the Young Engineers Section (YES) annual calendar. It is a platform for young engineers and engineering students to gather, to connect and to build networks amongst each other. The national summit is also a stage where all YES branches share their experience and knowledge on activities organized and figuring the way forward in promoting science and the profession of engineering.

The itinerary of the event included the following activities:

- Technical site visit to Sejingkat Power Plant
- Inter-branch meeting in Swinburne University of Technology Sarawak Campus
- Team Building at Permai Rainforest Resort
- Closing Dinner at Hilton Hotel, Kuching

The closing dinner also witnessed the presentation of awards for the Outstanding IEM Young Engineers Section 2016 and Outstanding IEM Student Section 2016. Sarawak Branch bagged two awards through its Young Engineers Section and Swinburne University of Technology (Sarawak Campus) Student Section.

#### Outstanding IEM Young Engineers Section 2016

- YES Sarawak Branch
- YES Penang Branch
- YES Perak Branch

#### Outstanding IEM Student Section 2016

- Swinburne University of Technology (Sarawak Campus) Student Section, Sarawak
- Universiti Tunku Abdul Rahman Student Section, Kuala Lumpur
- Universiti Tun Hussein Onn Malaysia Student Section, Johor







### 8.2.9 **5<sup>th</sup> August 2016** **Education Fair at St. Joseph Private School**

IEM (Sarawak Branch) Graduate & Student Section was honoured to be invited to give a talk on 'What is Engineering' and to share some experience on being an engineer. There were 77 Form 4 and Form 5 students who attended this session and the session ended with an interesting video about practice of engineering in playing basketball.



### 8.2.10 **11<sup>th</sup> September 2016** **IEM Engineer's Run 2016**

The Institution of Engineers, Malaysia (Sarawak Branch) Graduate and Student Section organized its 2<sup>nd</sup> IEM Engineer's Run in Kuching on 11<sup>th</sup> September 2016, with the theme "Bridging Our Society", in conjunction with the Engineer's Week in Malaysia.

The main objective of the IEM Engineer's Run was to celebrate Malaysia's Engineer's Week, and to promote the importance of exercise and health during the conduct of engineering services. It also aimed to introduce engineering as a profession to the public, and this event focused especially on civil engineering, thus the theme "Bridging Our Society".

A total of 1,000 runners participated in this first ever running event held at Vivacity Megamall, Kuching. All proceeds of the event were channelled to the Sarawak Cancer Children's Society (SCCS) for which the organization also held their week-long exhibition at the Vivacity Megamall, aiming to raise awareness towards the effects of cancer to children.

The 5km fun run was officiated at 6.30am by Cr. Wilfred Yap Yau Sin, who represented the Minister of Local Government YB Senator Datuk Prof. Dr. Sim Kui Hian while Vivacity Megamall Managing Director, Mr. Sim Yaw Hang flagged off the 10km event which started earlier at 6.00am. The cut-off time for both 5km and 10km run were 1.5 hours and 2 hours respectively and all runners were rewarded a finisher medal upon completing the run within the cut-off time.



**8.2.11 24<sup>th</sup> September 2016**  
**Half-Day Talk on “An Overview on the Professional Engineer’s Interview”**  
**Attendance: 40 persons**

IEM (Sarawak Branch) G&S Section, supported by the IEM (Sarawak Branch), successfully held a half day talk on An Overview to Professional Engineers’ Interview at Mini Hall, Dayak Bidayuh National Association.

The speakers were Ir. Sim Hui Kheng and Ir. Johnny Tan, who covered all topics related to the latest requirements and issues pertaining Professional Engineers’ Interview in the 3-hour talk, especially those updated in the recent Professional Interview session held by the Board of Engineers, Malaysia, thus fulfilling the following objectives:

- To create awareness on the latest regulations for entry and submissions of documents for the Professional Engineers’ Interview;
- To advice potential Professional Engineer candidates on the issues pertaining to the details of the required documents;
- To advice and provide hands-on guidance on the preparation of documents for professional assessment examination (PAE); and
- To advice on the current issues on the regulations for the Professional Engineers’ Interview.

The talk received active participation from the attendees and successfully concluded at 12.30pm.



**8.2.12 1<sup>st</sup> October 2016**  
**Gotong Royong at Mt. Singai**  
**Collaborated with Sarawak Energy Berhad**

The event was organized by Sarawak Energy Berhad (SEB). SEB invited IEM G&S Section, IEM-SAFE UNIMAS Student Section and IEM Swinburne Sarawak Student Section to collaborate in this event. The purpose of this event was to help clearing the jungle trek behind the church and to put up direction signages to the summit of Mt. Singai.



**8.2.13 8<sup>th</sup> October 2016**  
**IEM Perak Branch Annual Dinner**

The Institute of Engineers Malaysia, Perak Branch Annual Dinner 2016 themed “Beach Party” was successfully held on the evening of 8<sup>th</sup> October 2016, 8.00 pm at the Sunway Lost World of Tambun, Perak. The annual dinner was well attended by approximately 300 guests including Institute of Engineers Malaysia (IEM) Perak Branch members, IEM Young Engineer Section (YES) Perak Branch members, and representatives from sponsors and other professional bodies. Two representative from YES Sarawak attended the event.





**8.2.14 15<sup>th</sup> October 2016**  
**UNIMAS Engineering Week – A Day with IEM**

The Institution of Engineers, Malaysia (IEM) Sarawak Branch, Young Engineers Section (YES) was invited to give a talk to a group of new intake undergraduates at Universiti Sarawak Malaysia (UNIMAS). One of the programs during the event was “A Day with IEM” in conjunction with UNIMAS Engineering Week 2016. The objective of the program is to introduce IEM to the new undergraduates and also recruiting new student members. New term IEM-SAFE UNIMAS committees were presented during the event. The topic presented was “Introduction to BEM and IEM”. It gave an ideal difference between Board of Engineers Malaysia (BEM) and IEM, also the benefits of joining IEM. About 400 engineering undergraduates attended the event. The IEM-SAFE UNIMAS Student Section successfully registered 277 Students in the end of the event.



**8.2.15 15<sup>th</sup> October 2016**  
**Young Innovate 2016**

The competition is an annual national competition that aims to inspire the passion in science, technology, engineering and mathematics among secondary school students, and develop their living skills in problem solving, thinking tenacity; and expose them to open-source hardware and software. It was jointly sponsored by Tabung Ekonomi Gagasan Anak Bumiputera Sarawak (TEGAS), Sarawak Information Systems Sdn Bhd (SAINS), Sarawak Energy Sarawak and Ta Ann. IEM Sarawak Branch Young Engineers Section (YES) was invited to be part of the adjudicator panel, joining other industry experts from Sains, Swinburne, Unimas and IEEE Sarawak Subsection.



The state-level competition held at Swinburne University of Technology saw the participation of 146 students from 16 secondary schools around Kuching who presented a total of 43 projects. The 16 secondary schools competed are SMK St Joseph, SMK Jalan Arang, Lodge International, Tunku Putra International School, SMK St Teresa, SMK St Thomas, SMK Batu Lintang, SMK Green Road, SMK Batu Kawa, SMK Padungan, Chung Hua Middle School No.1, SMK Sungai Tapang, SMK Tun Abang Haji Openg, SMK Dato Patinggi Haji Abdul Gapor Stampin, SMK Sungai Maong and SMK Pending.



#### 8.2.16 **26<sup>th</sup> October 2016** **EnCon 2016**

International UNIMAS STEM Engineering Conference (EnCon) is the Flagship Conference of the Faculty of Engineering, Universiti Malaysia Sarawak (UNIMAS). It was established in 2008 to provide a platform for researchers, academics, engineers, industrial professionals as well as graduate students to share their experience and findings especially on the solutions for engineering and technological challenges. The conference also aims to promote and enhance networking opportunities among the participants from various backgrounds in the field of engineering and technology. International UNIMAS STEM 9<sup>th</sup> Engineering Conference 2016 (EnCon 2016) with the theme 'Innovative Solutions for Engineering and Technology Challenges' was held from October 26 to 28, 2016 in Kuching, Sarawak.

The Institution of Engineers Malaysia (IEM), Sarawak Branch was invited to set up booth on the first day of the event. Booths were set up for both Graduate's and Student's Section and bookmarks were given up as welcome gift for visitors at the booth. The aim of the booth was to hold membership recruitment activities and to showcase IEM G&S programs and activities. Other activity such as Pi-Challenge (Pi-Memorization Game) was introduced during the event and prizes were given away for participant who managed to memorise up to 75 digits.



**8.2.17 29<sup>th</sup> October 2016**  
**NATSUM 2016 and Engineer's Run 2016 Appreciation Dinner**

The objective of the event is to show appreciation toward working organise committees who had contributed in the past National Summit (NATSUM) 2016 and IEM Engineer's Run 2016. The dinner was held at Rock Road Seafood Restaurant, Jalan Batu Kinyang. 40 committee members attended the dinner. The dinner started at 7.20pm.



**8.2.18 3<sup>rd</sup> November 2016**  
**Membership Recruitment Drive at JKR**

The Institution of Engineers Malaysia (Sarawak Branch), Graduate and Student Section had organized a talk on Road to Professional Engineer cum Membership Recruitment Drive for the Public Works Department Sarawak.

The objectives of the talk and membership recruitment drive are:

- To promote the benefits of joining IEM Graduate & Student Section to the engineers in the Public Works Department of Sarawak
- To introduce the road towards achieving Professional Engineer status
- To assist engineers in the Public Works Department of Sarawak to apply for Graduate Engineer or Professional Engineer
- To answer any queries posted by the engineers in the Public Works Department of Sarawak

56 participants attended the event.



**8.2.19 12<sup>th</sup> November 2016**  
**Talk on Professional Registration & Development “Chartered Engineer”**  
**Co-organized with IET**  
**Attendance: 50 persons**

Ir. Dr. Matthew Teow, Chairman of IET Malaysia Network, presented to talk In Swinburne university of Technology Sarawak Campus. The talk focused mainly on the route to professional registration and the qualifications to become a Chartered Engineer.

**8.2.20 21<sup>st</sup> – 24<sup>th</sup> November 2016**  
**34<sup>th</sup> CAFE0 2016**

CAFE0 is held on an annual basis, with one of the member organizations as the host. The rotation between member organizations is on alphabetical order. The 34<sup>th</sup> Conference of Federation of Engineering Organizations (CAFE0) was successfully organized by The Philippines Technological Council on 21<sup>st</sup> to 24<sup>th</sup> November 2016 in Puerto Princesa city, Palawan Island of Philippines. The Malaysian delegation was led by IEM President, Ir. Tan Yean Chin with Young Engineers Section (YES) from various branches making up about 20 members of the delegation. Besides YEAFEO which is for Young Engineers, there are other group involved in this CAFE0, namely, AFEO (ASEAN Federation of Engineering Organization), WEAFO (Women Engineers ASEAN Federation of Engineering Organization) and technical paper presenters. Two representatives from YES Sarawak attended the event.



### 8.2.21 **21<sup>st</sup> – 23<sup>rd</sup> November 2016** **15<sup>th</sup> ASIAN Congress of Fluid Mechanics**

Asian Fluid Mechanics Committee (AFMC) was founded in 1980 in India to advance research in fluid mechanics in Asia through interaction and exchange of information between workers in the field of fluid mechanics. The congress, named Asian Congress of Fluid Mechanics (ACFM) is held every three years. The 1<sup>st</sup> ACFM was arranged in Bangalore, India to discuss and present the latest developments in studying theory, practice and calculation, as well as industrial and technological progress in fluid mechanics.

This year's congress, the 15<sup>th</sup> Asian Congress of Fluid Mechanics was held in Kuching, Sarawak on 21<sup>st</sup> – 23<sup>rd</sup> November 2016. It was organised by The Institution of Engineers Malaysia (IEM) and co-organised by University Tenaga Nasional (UNITEN), Multimedia University (MMU), Centre for Fluid Dynamics and Centre for Advanced Material and Green Technology. The congress was participated by more than 150 scientists and engineers from Japan, China, Malaysia, Bangladesh, the Czech Republic, Pakistan, India, Sri Lanka, Indonesia, US and Iran.

Opening ceremony was held on the 21<sup>st</sup> November 2016, and the welcome remarks was delivered by Ir. Dr. Kannan M Munisamy, Organising Chairman of 15ACFM. The congress was officially launched by IEM Vice President, Ir. Prof. Dr. Jeffrey Chiang and followed by an opening speech. Among those present at the opening of 15ACFM were Local Committee advisor, Datuk Dr. Ow Chee Sheng, IEM Sarawak Branch's chairman Vincent Tang, local and foreign delegates as well as fellow engineers.

The 15<sup>th</sup> ACFM served as a good platform for the exchange of ideas and experience as well as to assimilate the latest information in this field. The 16<sup>th</sup> ACFM 2018 will be host by its founding city, Bangalore, India.

**15<sup>th</sup> ASIAN CONGRESS OF FLUID MECHANICS 2016**  
21-23 NOVEMBER 2016 • PULLMAN HOTEL • KUCHING • SARAWAK • MALAYSIA



### 8.2.22 **30<sup>th</sup> November 2016** **Engineering Standards & Professional Career Talk** **Co-organized with IET**

### 8.2.23 **2<sup>nd</sup> December 2016** **IEM Penang Branch Annual Dinner**

The Institute of Engineers Malaysia, Penang Branch Annual Dinner 2016 themed “E-finity” was successfully held at St. Giles Wembly Hotel, Penang. The annual dinner was well attended by approximately 600 guests including Institution of Engineers Malaysia (IEM) Penang Branch members, IEM Young Engineer Section (YES) Penang Branch members, and representatives



from sponsors and other professional bodies. Also invited at the night were representatives from IEM YES HQ, Perak, and Sarawak Branch. Two representatives from YES Sarawak attended the event.

The interbranch visit was held on the following morning, 3<sup>rd</sup> December and was hosted by IEM Penang YES committee. Representatives from Sarawak and Perak branch visited IEM Penang office, which was located at Northam Venture Building. The meeting was conducted to discuss regarding various activities organized by each branches.



#### 8.2.24 15<sup>th</sup> December 2016 Eco-Lodge Holiday Camp

The event was jointly held by the Institution of Engineers, Malaysia Sarawak Branch Young Engineer's Section (IEM-YES Sarawak) and IEM Swinburne Sarawak Student Section (IEM-SSSS) for Eco-Lodge, an after-school care center for primary school children in Kuching. In view of Swinburne Sarawak's strength in engineering research and education, IEM-YES Sarawak and IEM-SSSS hosted this activity in the university with the support of the Faculty of Engineering, Computing and Science.

The main objective of the activity was to introduce the engineering profession to primary school children and to generate awareness on engineering amongst participants. The activity also complemented Eco-Lodge's engineering-themed holiday camp this year and it was anticipated that the children would gain an overview to engineering as a profession and experience first-hand the university life of an engineering student.

The participants included 83 primary school children and 14 teachers from Eco-Lodge.



**8.2.25 17<sup>th</sup> December 2016**  
**Christmas Celebration at Rumah Seri Kenangan**

IEM Graduate & Student Section arranged a Christmas celebration at Rumah Seri Kenangan (RSK), which was temporarily re-located to Pusat Pemulihan Samarahan, Kota Samarahan due to renovation works. This represents one of IEM-YES' social and welfare activities. RSK is the welfare homes provided for the aged parents (at least 60 years old and above), who are free of mental illness, not infected with contagious disease, without families or families could not afford to look after them. RSK not only help the elderly to prevent them from feeling lonely, but also offering them a platform to socialise and received therapy.



**8.2.26 11<sup>th</sup> – 12<sup>th</sup> March 2017**  
**IEM Engineering Expo & Career Fair 2017**

In previous years, the engineering exhibition was held to commemorate Pi ( $\pi$ ), a symbol/constant that is essential not only in mathematics but also in engineering, in line with the figure "3.142" which is a symbol for Pi ( $\pi$ ) used in mathematics to represent a constant. The event is usually held on the dates revolving around March 14<sup>th</sup> (3/14).

This year, slight changes were made to the original event. There were engineering exhibition by engineering companies, career fair, engineering talk and some activities such as blood donation, Jenga and booth stamp collection competition. The event was held with the theme 'Engineers, EmPOWERing our Nation' and was officiated by YB Cr. Ir. Lo Khere Chiang (Batu Kitang State Assemblyman) and Ir. Vincent Tang (Chairman of IEM Sarawak Branch).

In engineering exhibition and career fair, engineering companies showcased their products and projects besides also offering job opportunities. There was also Career Talk which targeted young students interested to pursue study in engineering, fresh graduates interested to understand the current job market and the general public interested to understand more about engineering. The following talks were also held in conjunction to this event:

- Choosing Engineering as Your Career Path by Mr. Ron Aldrino Chan
- Manpower Distribution in Sarawak & Career Establishment Gadgets by State Government & Jobstock by Mr. Ryan Jee
- My Journey as a Mechanical Engineer by Ir. Jamaludin Mustakim
- Construction Visualisation in Project 4D Planning & Scheduling by Mr. Philip Palmer
- Introduction and Application of Enduro Frame by Mr. Mei Chee Chiang
- Long Live Plastic in Pipe, Carbon Steel was so Yesterday by Mr. Wong Kang Yuon
- Basal Reinforced Embankment with Reference to BS 8006:2010 by Mr. Wee Shin Hoe
- Domestic Wiring Installations and Electrical Safety Awareness by Ir. Liaw Sung Guan
- Penerangan Mengenai Proses Pentauliahan Penyelia Tapak Binaan Bagi Kaedah RPLE (Temuduga) by Mr. Suhaizan Bin Mohamed

There were sideline activities held during both days, namely, photo taking with photo frame, booth stamp collection and jenga competition. For the booth stamp collection, visitors had to collect stamp from all booths at the expo to qualify for lucky draw. As for the photo taking activity, visitors were required to take photo with the photo frame provided and posted in their facebook to gain as many 'Like' as possible. The winner will be the one who gained the most 'Like' at the end of the event. On the other hand, jenga competition saw visitors took part in competing in the games and last standing player won.





#### 8.2.27 17<sup>th</sup> March 2017 Setting Up of Student Section in UCTS

The membership recruitment drive and setting up student chapter at UCTS was carried out at the UCTS campus in Sibul, Sarawak. The event was attended by approximately 100 engineering students from different engineering disciplines including Civil, Mechanical and Electrical



engineering. Also present for the membership recruitment drive were Dr. Ling Jen Hua (Head of Programme, Civil Engineering), Ir. Sia How Teck (Senior Lecturer, Civil Engineering), Mr. Lim Yong Tat (Student Representative), Mr. Bryan Wong (Student Representative) and the following representatives from IEM (Sarawak Branch) G&S Section:

Following the talk was Membership Recruitment Drive and students get together session with the IEM (Sarawak Branch) G&S Section representatives. The IEM (Sarawak Branch) G&S Section representatives encourage engineering undergraduates to capitalize their time as a student to gain maximum exposure to various engineering related activities. G&S Section will be available to facilitate the setting up of UCTS Student Section and guide the students to undertake activities and projects to provide exposure, knowledge and experiences.

The program ended at 4:30pm, it was a successful event. The IEM (Sarawak Branch) G&S Section committees will follow up with UCTS student representatives on the setting up of student chapter.



## 9.0 Report from IEM-SSSS Swinburne Sarawak Student Section 2016/2017

### 9.1 IEM – SSSS Swinburne Sarawak Student Section Committee Member 2016/2017

President	Seamus Shenton Lim Chiat (S79232)
Immediate Past President	Grace Yong Chia Chi (S79239)
Vice President	Ali Newaz Chowdhury (S88624)
Secretary	Chester Bong Khi Yui (S79238)
Treasurer	Sharon Ling Hui (S79224)
Committee members	Alexander Bong Khi Png (S79222)
	Sarah Laong Anak Medang (S79237)
	Danielle Teo Eh Shian (S79236)
	Lynn Njeri Kiragu
	Oshane Thanushka Kurukulasooriva (G88619)

### 9.2 Snapshots of IEM-SSSS Swinburne Sarawak Student Section activities & events

IEM-SSSS Swinburne Sarawak Student Section reported that during the session, it had organized the following activities:

#### 9.2.1 18<sup>th</sup> May 2016 Site visit to Brooke Dockyard and Engineering Works Corporation

IEM SSSS organized a site visit to Brooke Dockyard and Engineering Works Corporation with a total attendance of 15 people. The site visit concluded with a introduction and history about fabrication yards, products services and cliental.

#### 9.2.2 12<sup>th</sup> October 2016 CIDB Green Card Training Seminar

IEM SSSS together with the Civil Engineering Club of Swinburne Sarawak organized a CIDB green card training seminar by inviting a speaker from CIDB to the unversity. 40 people attended the training and completed the course in which they received their Green Cards after.



#### 9.2.3 6<sup>th</sup> March 2017 Introduction to IEM to First Year Students

Members from IEMSSSS conducted an introductory talk about the Institute of Engineers Malaysia for first year students. The talk was held during the Professional Engineering class session after obtaining permission from the subject lecturer. The talk was held to introduce

first year students to IEM and its various benefits and activities.



#### 9.2.4 **8<sup>th</sup> March 2017** **Swinburne Club Recruitment Day**

In conjunction with Swinburne Sarawak Club Recruitment Day, IEMSSSS held a club membership recruitment drive. A booth was setup during the event and a video on the various IEM activities was also displayed during the event. Students were also given information on the benefits and history of IEM by committee members at the booth. The event was a success and manage to obtain 75 new members for IEMSSSS.



### 9.2.5 15<sup>th</sup> March 2017 IEMSSSS AGM 2017

The event was held to elect the new committee members for IEMSSSS and also to update members on the various activities that were held previously throughout the past term. Newer members were also briefed on the history of IEM and its benefits and were given the opportunity to join as a trainee committee and suggest any future activities. The outcome of the election was that the previous committee will carry out one more term of service.





## 10.0 Report from IEM-SAFE UNIMAS Student Section 2016/2017

### 10.1 IEM-SAFE UNIMAS Student Section Committee Member Session 2016/2017



Chairman	: Izzul Fitrie Bin Khalid
Vice Chairman I	: Phillip Mapang Anak Angking (S69993)
Vice Chairman II	: Nur Ain Atieqah Bakry (S77822)
Secretary I	: Siti Noor Atikah Bt Ikwan (S77822)
Secretary II	: Nur Anisah Aziera Bt Abdul Halim
Treasurer	: Siti Hanisah Bt Nordin (S77824)

PD of Sponsorship and Entrepreneurship:

1. Siti Nuradawiyah Bt Wan Ahmad Faisal
2. Chia Chuong Yan (S77900)

PD of Multimedia and Publicity:

1. Nabila Sharifuddin
2. Siti Farhana binti Sarbini (S77825)

PD of Registration and Student Affairs:

1. Zulfikka Anak Lanong
2. Najah Najwa Binti Mohd Zaid (S77849)

PD of Spiritual and Human Capital:

1. Ismail b. Hasanuddin (S77776)

### 10.2 Snapshots of IEM-SAFE UNIMAS Section activities & events

IEM-SAFE UNIMAS Section reported that during the session, it had organized the following activities:

#### 10.2.1 17<sup>th</sup> September 2016 Orientation Day 2016

The event was conducted to welcome the first year students of Faculty of Engineering intake 2016/2017. Student Association of Faculty of Engineering (SAFE) UNIMAS and the Institution of Engineer Malaysia of UNIMAS Student Chapter, IEM-SAFE UNIMAS collaborated in organizing the one day event.

### 10.2.2 5<sup>th</sup> October 2016

#### **Annual Grand Meeting IEM-SAFE UNIMAS Student Section session 2015/2016**

Annual Grand Meeting IEM-SAFE UNIMAS Student Section Session 2016/2017 was held on 5<sup>th</sup> October 2016 at Faculty of Engineering. AGM conducted to give credentials to new committee and to present all activities that has been conducted throughout the 2015/2016 session and financial flow status before given out to new committee.



### 10.2.3 10<sup>th</sup> – 14<sup>th</sup> October 2016

#### **Engineering Week 2016**

Engineering Week 2016 with theme “Engineering Modernise The World” aimed to introduce IEM-SAFE UNIMAS student section to all committee especially students and staffs of UNIMAS and the Faculty of Engineering. Other than that, it aimed to encourage the engineering students to be more innovative in design and manufacturing and to exposure them to modern technologies. The participation of this program is not only for the Faculty of Engineering’s students, but all students and staff in UNIMAS.



### 10.2.4 18<sup>th</sup> – 26<sup>th</sup> November 2016

#### **Deans Cup 2016**

#### **Co-organized with Student Association of Faculty of Engineering (SAFE) UNIMAS**

The event was conducted to create awareness among students of Faculty of Engineering on the importance of sport in the pursuit of a healthy and active lifestyle at the university and beyond by developing their physical literacy in a sporting situation. Student Association of Faculty of Engineering (SAFE) UNIMAS and the Institution of Engineer Malaysia of UNIMAS Student Chapter, IEM-SAFE UNIMAS collaborated in organizing a one-week event.



**10.2.5 25<sup>th</sup> November 2016**  
**A Talk on IEM and Career Talk**  
**Co-organized with the Faculty of Engineering University Malaysia Sarawak**

This talk was attended by 3<sup>rd</sup> and 4<sup>th</sup> year students. The purpose of the event was to introduce students to the resources and skills necessary for a successful job or internship search and also about the IEM membership benefits. Registration counter for the new members also set up. Speaker, Ir. Law Sie Ding, Jonathan, a committee (Civil) of the IEM Sarawak Branch, delivered a highly informative and interesting talk which helped increase students confident to be an engineer for the future which will be more challenging, especially in engineering field.

**10.2.6 6<sup>th</sup> – 12<sup>th</sup> December 2016**  
**Control and Robotics (CART) Exhibition 2016**

Program Control and Robotics (CART) Exhibition 2016 was held for a week. The aim of the program is to foster the sharing of knowledge as well as the friendship between UNIMAS and Universiti Tanjungpura Pontianak. Various activities have been prepared for the success of the program. Twenty-two student accompany by three teachers were involved in the program.



**10.2.7 15<sup>th</sup> December 2016**  
**Appreciation Night organized by IEM-SAFE UNIMAS Student Section**

The event was conducted for 4<sup>th</sup> batch of IEM-SAFE UNIMAS committee to appreciate their



contribution to the society and institution in the past 2 years. Besides, the event provided a platform for all committee members to exchange views and discuss on the future of the student section.



#### 10.2.8 3<sup>rd</sup> – 5<sup>th</sup> March 2017

**Sarawak Career & Training Fair (SCaT) 2017 organized by Workforce Development Unit (WDU) at the Chief Minister's Department and Tabung Ekonomi Gagasan Anak Bumiputera Sarawak (Tegas)**

Sarawak Career & Training Fair (SCaT) 2017 was organised by the Workforce Development Unit (WDU) at the Chief Minister's Department and Tabung Ekonomi Gagasan Anak Bumiputera Sarawak (Tegas) at Borneo Convention Centre Kuching (BCCK). SCaT 2017 included STEM Playground to cultivate interest in Science, Technology, Engineering and Mathematics (STEM). Participants of the STEM Playground included various institutions of higher learning and agencies such as Petronas, Shell, Politeknik Kuching, Universiti Teknologi Mara (UiTM), Kota Samarahan and Universiti Malaysia Sarawak (UNIMAS).

The Institution of Engineers Malaysia, IEM-SAFE UNIMAS Student Section and Student Association of Faculty of Engineering (SAFE) UNIMAS are in charge of UNIMAS's booth during the event. The brochures were given out at the booth as UNIMAS seek to recruit qualified SPM school leavers for its Pre-University programs and attract more students to pursue studies in UNIMAS especially in Faculty of Engineering.





10.2.9 **18<sup>th</sup> March 2017**  
**Program Sekolah Angkat 2017 “Stand Out and Move Up”**

Program Sekolah angkat 2017 was organized by IEM-SAFE UNIMAS Student Section on 18<sup>th</sup> March 2017 at Sekolah Kebangsaan Semerah Padi, Kuching. Programs were conducted to develop the participants’ team work and leadership skills. Besides, they were aimed to motivate the participants in the upcoming UPSR examinations, as well as to guide them on possible future careers.



## 11.0. Honorary Treasurer's Report

### Honorary Treasurer's Report for The Institution of Engineers, Malaysia (Sarawak Branch)

As the Honorary Treasurer for the session 2016/2017, it is my honour to present to you the audited account of the Institution for the financial period from 1 April 2016 to 31 March 2017. The Auditors' Report, Balance Sheet, Income and Expenditure Account and the Notes to the Financial Statements are for your kind perusal and reference.

The financial health of the Institution remains strong as we recorded another surplus for this period amounting to RM158,929.94. The total income was RM264,371.37 against total expenditure of RM105,441.43. Surpluses from organized courses and subsidies from IEM HQ were our top two income contributors amounting to RM110,424.36 and RM91,050.00 respectively. Expenditure incurred were mainly for the administrative expenses amounting to RM105,231.43.

I wish to extend my appreciation to our internal auditors (Ir. Rudi Abang Zamhari and Ir. Tang Su Fan), the committee and secretariat of IEM (Sarawak Branch) for their cooperation and contribution in maintaining a healthy financial position for the institution.

Finally, I would like to request for your kind consent to accept this audited account.

Thank you.



Ir. Dr. David Bong Boon Liang

Honorary Treasurer

IEM (Sarawak Branch) Session 2016/2017

**11.1. Financial Statements for Year Ended 31<sup>st</sup> March 2017**

THE INSTITUTION OF ENGINEERS, MALAYSIA  
*SARAWAK BRANCH*

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***THE INSTITUTION OF ENGINEERS, MALAYSIA  
(SARAWAK BRANCH)***

(Incorporated in Malaysia)

***FINANCIAL STATEMENTS***

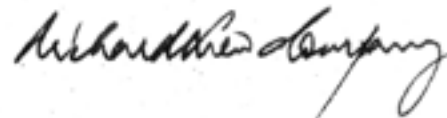
***31 MARCH 2017***

***RICHARD KIEW & COMPANY***

***CHARTERED ACCOUNTANTS  
APPROVED COMPANY AUDITORS  
KUCHING***

**AUDITORS' REPORT**  
**TO THE MEMBERS OF**  
**THE INSTITUTION OF ENGINEERS, MALAYSIA**  
**SARAWAK BRANCH**

We have audited the financial statements set out on pages 2 to 16 of The Institution of Engineers, Malaysia, Sarawak Branch. In our opinion, the financial statements, which have been prepared under the historical cost convention, give a true and fair view of the state of affairs of the Institution at *31 March 2017* and of its results for the year ended on that date.



**RICHARD KIEW & COMPANY**  
AF 0372  
Chartered Accountants


Dated: 14 JUN 2017


**KUCHING**

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**STATEMENT OF FINANCIAL POSITION**

	Note	AS AT 31.3.2017 RM	AS AT 31.3.2016 RM
<b>CURRENT ASSETS</b>			
Inventories	4	273.00	483.00
Trade receivables	5	49,130.00	7,521.10
Other receivables	6	19,963.58	10,717.41
Deposit	7	600.00	600.00
IEMSB INTEC Building Fund		22,645.41	50.47
Cash at bank		107,788.73	30,030.90
Cash in hand		912.85	788.90
Fixed deposits with licenced banks		<u>321,648.95</u>	<u>314,805.77</u>
Total current assets		522,962.52	364,997.55
<i>Deduct: CURRENT LIABILITIES</i>			
Tax liabilities		<u>-</u>	<u>3,300.32</u>
Accruals		<u>1,668.27</u>	<u>8,978.12</u>
Total current liabilities		<u>1,668.27</u>	<u>12,278.44</u>
<b>NET CURRENT ASSETS</b>		521,294.25	352,719.11
<b>NON CURRENT ASSET</b>			
Property, plant and equipment	8	<u>511,799.90</u>	<u>521,445.10</u>
		<u><u>1,033,094.15</u></u>	<u><u>874,164.21</u></u>
<i>Financed by:-</i>			
<b>ACCUMULATED FUND</b>			
Accumulated fund brought forward		874,164.21	487,737.87
Add: Surplus for the year		<u>158,929.94</u>	<u>386,426.34</u>
Accumulated fund carried forward		<u><u>1,033,094.15</u></u>	<u><u>874,164.21</u></u>

  
\_\_\_\_\_  
Chairman

  
\_\_\_\_\_  
Treasurer

Dated: 14/6/2017

**KUCHING**

The notes on pages 4 to 16 form an integral part of the financial statements.

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**INCOME AND EXPENDITURE ACCOUNT**

	Note	YEAR ENDED 31.3.2017 RM	YEAR ENDED 31.3.2016 RM
<b>OPERATING INCOMES</b>			
Interest from fixed deposits		10,469.35	10,553.67
Bank interest		413.80	1,092.84
Log books sales		1,220.00	652.00
YES T-shirt sales		-	780.00
From Bamboo to Broadband book sales		2,376.00	2,700.00
Engineering Heritage of Malaysia book sales		-	350.00
Subsidy from headquarters		91,050.00	102,710.00
Sundry income		-	140.00
Surplus from organised courses	2(i)	110,424.36	81,718.16
Surplus from IEM (Sarawak Branch) InTEC Fund Raising			
Dinner	2(ii)	47,107.20	294,412.42
Surplus from activities organised by YES IEM SB	2(iii)	1,310.66	23,217.96
Total operating income		<u>264,371.37</u>	<u>518,327.05</u>
 <i>Less: OPERATING EXPENDITURES</i>			
Inventories at beginning of year		483.00	1,649.00
Purchase of log books		-	1,533.82
YES IEM SB activities		-	3,195.72
		<u>483.00</u>	<u>6,378.54</u>
<i>Less: Inventories at end of year</i>	4	(273.00)	(483.00)
Total operating expenditures		<u>210.00</u>	<u>5,895.54</u>
Gross profit		264,161.37	512,431.51
<i>Less: ADMINISTRATIVE EXPENDITURES</i>	3	(105,231.43)	(126,005.17)
<b>SURPLUS FOR THE YEAR</b>		<u><u>158,929.94</u></u>	<u><u>386,426.34</u></u>

The notes on pages 4 to 16 form an integral part of the financial statements.



**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017**

**1. SIGNIFICANT ACCOUNTING POLICIES**

(a) Basis of preparation

The financial statements of the Institute have been prepared under the historical cost convention.

(b) Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses, (if any).

All property, plant and equipment are depreciated on a straight line method to their residual values at rates based on the estimated useful lives of the various assets.

Computer hardware and software 20% p.a.

Office furniture, fittings and equipment 10% p.a.

Short leasehold land is depreciated over its useful life of 60 years.

The gain and loss arising on disposal or retirement of an item of property, plant and equipment is determined as the difference between the sales proceeds and the carrying amount of the assets and is recognised in profit or loss.

(c) Receivables

Receivables are reduced by the appropriate allowances for estimated irrecoverable amounts. Allowance for doubtful debts is made based on estimates of possible losses which may arise from non-collection of certain receivable accounts.

(d) Payables

Payables are stated at cost which is the fair value of the consideration to be paid in the future for goods and services received.

(e) Revenue recognition

Revenue represents sales at invoiced value.

(f) Inventories

Inventories which are made up of finished goods trading stock, are valued at the lower of cost and net realisable value.

(g) Cash and cash equivalents

Cash and cash equivalents comprise cash and bank balances and short-term deposits that are readily convertible to a known amount of cash with an insignificant risk of changes in value.

**2. ORGANISED COURSES/ACTIVITIES**

**RM**

**RM**

(i) *Courses organised by IEMSB and in collaboration with other parties*

(1) **Course - BEM code of ethics/regulations (4-5/4/16)**

Income		11,143.67	
Less: Drinking water	80.00		
Refreshment	1,632.00		
Rental of auditorium	500.00		
Stationery and pencils	62.40	(2,274.40)	8,869.27

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

<b>2. ORGANISED COURSES/ACTIVITIES - continued</b>	<b>RM</b>	<b>RM</b>	<b>RM</b>
<b>(2) Activity - IEM HQ AGM and 57th Annual Dinner and Awards Night 2016 (16/4/16)</b>			
Income		-	
Less: Dinner table	4,823.00		
Reimbursement (17 pax)	11,799.88	(16,622.88)	(16,622.88)
<b>(3) Course - Introduction to New JKR Design Guidelines of Low Volume Rural Road (20/4/16)</b>			
Income		8,790.00	
Less: Refreshments	1,780.80		
Rental of auditorium and function room	275.00		
Honorarium	375.00		
Handout, stationery, pencils and certificates	954.85		
Drinking water	60.00	(3,445.65)	5,344.35
<b>(4) Course - Distribution Substation Design Course (3-5/5/16)</b>			
Income		11,900.00	
Less: Remittance of course fee to SEB	9,600.00		
GST	576.00	(10,176.00)	1,724.00
<b>(5) Course - BEM Engineering Management Practice (12-13/5/16)</b>			
Income		7,991.57	
Less: Refreshments	1,824.00		
Rental of auditorium	500.00		
Drinking water	90.00		
Stationery and pencils	71.50	(2,485.50)	5,506.07
<b>(6) Course - Power station protection (16-18/5/16)</b>			
Income		9,500.00	
Less: Remittance of course fee to SEB	7,200.00		
GST	432.00	(7,632.00)	1,868.00
<b>(7) Course - Fire Safety Engineering Approach for Modern City Design Seminar (24/5/16)</b>			
Income			1,000.00
<b>(8) Course - Project Management Foundation and Practices (6-7/6/16)</b>			
Income		18,250.00	
Less: Rental of auditorium	500.00		
Refreshments	1,424.64		
Drinking water	40.00		
Stationery, pencil, certificate and F/chart paper	49.30		
PMO Asia Sdn. Bhd.	10,279.98	(12,293.92)	5,956.08
<b>(9) Activity - 48th AGM and Technical Talk on Systematic Approach for Effective PRM (18/6/16)</b>			
Income		-	
Less: Reimbursement (lunch for helpers)	68.10		
AGM notice of meeting	476.00		
Rental and drinking water	1,470.00		
Drinks with IEM president	50.00		
Printing and stationery	69.00	(2,133.10)	(2,133.10)

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

<b>2. ORGANISED COURSES/ACTIIVITIES - continued</b>	<b>RM</b>	<b>RM</b>	<b>RM</b>
<b>(10) Course - BEM Safety and Health at Work (20-21/6/16)</b>			
Income		4,480.95	
Less: Refreshments	960.00		
Rental of auditorium	500.00		
Drinking water	50.00		
Stationery, pencils, and F/chart paper	42.00	<u>(1,552.00)</u>	2,928.95
<b>(11) Course - Steel Structures Symposium 2016, Steel Structures and Seismic (12/7/16)</b>			
Income			1,000.00
<b>(12) Course - IEM Professional Interview Training and Certification Workshop (19-20/7/16)</b>			
Income		-	
Less: Refreshments	2,160.00		
Rental of auditorium	375.00		
Drinking water	60.00		
Handout, stationery and pencils	1,398.60	<u>(3,993.60)</u>	(3,993.60)
<b>(13) Course - Awareness Programme Talk on Revise of the PI Process (20/7/16)</b>			
Income		1,050.00	
Less: Refreshments	360.00		
Rental of auditorium	125.00		
Drinking water	10.00		
Handout, stationery and pencils	165.60	<u>(660.60)</u>	389.40
<b>(14) Course - Analysis, Selection and Specification of Indoor MV Distribution Switchgear (27-29/7/16)</b>			
Income		2,350.00	
Less: Remittance of course fee to SEB	1,200.00		
GST	72.00	<u>(1,272.00)</u>	1,078.00
<b>(15) Course - BEM Engineering Management Practice (8-9/8/16)</b>			
Income		7,577.54	
Less: Refreshments + GST	1,865.60		
Drinking water	90.00		
Stationery and pencils	67.60	<u>(2,023.20)</u>	5,554.34
<b>(16) Course - Design and Practice of Earthing Course (16-18/8/16)</b>			
Income		6,700.00	
Less: Remittance of course fee to SEB	4,800.00		
GST	288.00	<u>(5,088.00)</u>	1,612.00

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

<b>2. ORGANISED COURSES/ACTIIVITIES - continued</b>	<b>RM</b>	<b>RM</b>	<b>RM</b>
<b>(17) Course - Proposed Raw Water Intake Using Riverbank Filtration System (18/8/16) (course cancelled)</b>			
Income		2,000.00	
Less: Refund of registration fee		<u>(2,000.00)</u>	-
<b>(18) Course - Project Management Certification, PMP Boot Camp (23-26/8/16)</b>			
Income		1,574.90	
Less: Function Room Rental	250.00		
Drinking water	10.00		
Stationery, pencils, and F/chart paper and certificate	14.90	<u>(274.90)</u>	1,300.00
<b>(19) Course - The Efficient and Effective Way of Laying and Compacting a Flexible pavement that Compliance to Standard Specification for Road Works (1/9/16)</b>			
Income		15,500.00	
Less: Refreshments	2,940.00		
Rental of auditorium	250.00		
Drinking water	90.00		
Souvenir	616.00		
Stationery, pencils and certificate	104.25	<u>(4,000.25)</u>	11,499.75
<b>(20) Course - Electrical Power Distribution System Course (20-22/9/16)</b>			
Income		2,350.00	
Less: Remittance of course fee to SEB	1,200.00		
GST	72.00	<u>(1,272.00)</u>	1,078.00
<b>(21) Course - Contract Management for Construction Project (4-5/10/16)</b>			
Income			1,000.00
<b>(22) Course - EHV Substation - The Critical Factors Course (11-13/10/16)</b>			
Income		3,700.00	
Less: Remittance of course fee to SEB	2,400.00		
GST	144.00	<u>(2,544.00)</u>	1,156.00
<b>(23) Course - BEM Safety and Health at Work (17-18/10/16)</b>			
Income		3,410.05	
Less: Refreshments	896.00		
Rental of auditorium	500.00		
Drinking water	68.00		
Stationery, pencils and flip chart	36.90	<u>(1,500.90)</u>	1,909.15



**THE INSTITUTION OF ENGINEERS MALAYSIA  
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**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

2. ORGANISED COURSES/ACTIVITIES - continued	RM	RM	RM
(24) Course - Pre Conference Workshop on Introduction to Eurocode Reinforced and Structural Steel Design (24-25/10/16)			
Income			1,000.00
(25) Course - International UNIMAS STEM Engineering Conference (EnCon) 2016 (26-27/10/16)			
Income			1,000.00
(26) Course - EHV Overhead Transmission Line Design-Electrical and Mechanical Aspects (25-27/10/16)			
Income		9,300.00	
Less: Remittance of course fee to SEB	7,200.00		
GST	432.00	<u>(7,632.00)</u>	1,668.00
(27) Course - BEM Code of Ethics/Regulations (2-3/11/16)			
Income		5,133.99	
Less: Refreshments and drinking water + GST	1,339.84		
Rental of auditorium	500.00		
Stationery and pencils	48.10	<u>(1,887.94)</u>	3,246.05
(28) Course - Project Management Certification, PMP Boot Camp (7-10/11/16)			
Income		1,386.00	
Less: Drinking water	24.00		
Rental of function room	250.00		
Stationery, pencil, certificate and F/Chart paper	12.00	<u>(286.00)</u>	1,100.00
(29) Course - Advance Gas Insulated Switchgear (15-17/11/16)			
Income		3,800.00	
Less: Remittance of course fee to SEB	2,600.00		
GST	156.00	<u>(2,756.00)</u>	1,044.00
(30) Course - Lightning Protection MS IEC 62305 (1-4) and MS IEC 61643-12 (16/11/16)			
Income		6,313.90	
Less: Refreshment and drinking water	620.00		
Rental of auditorium	250.00		
Handout note, stationery, pencil and certificate	143.87	<u>(1,013.87)</u>	5,300.03
(31) Course - Automatic Transfer Switch MS IEC 60947 (6-1) and Capacitors MS IEC 60831 (1-2) (17/11/16)			
Income		3,107.70	
Less: Refreshment and drinking water	456.00		
Rental of auditorium	250.00		
Handout note, stationery, pencil and certificate	51.73	<u>(757.73)</u>	2,349.97

**THE INSTITUTION OF ENGINEERS MALAYSIA  
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**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

<b>2. ORGANISED COURSES/ACTIVITIES - continued</b>		<b>RM</b>	<b>RM</b>	<b>RM</b>
(32) Course	- Design, Protection, Sizing and Installation of Low Voltage Electrical Installations of Buildings (Wiring) to MS IEC (IEC) 60364 and BS 7671 (IET/IEE Wiring Regulations) (28-29/11/16)			
	Income			1,000.00
(33) Course	- Drainage Design for Sarawak to Comply with the Requirements of the 2nd Edition of the Urban Stormwater Management Manual for Malaysia (30/11/16)			
	Income		5,550.00	
	Less: Refreshment and drinking water + GST	644.48		
	Rental of auditorium	250.00		
	Handout note, stationery, pencil and certificate	111.40		
	Speaker fee and expenses claim	2,000.00		
			<u>(3,005.88)</u>	2,544.12
(34) Course	- BEM Engineering Management Practice (6-7/12/16)			
	Income		4,277.50	
	Less: Refreshment and drinking water	1,080.00		
	Rental of auditorium	500.00		
	Stationery and pencils	39.00	<u>(1,619.00)</u>	2,658.50
(35) Course	- Project Management: Risk Management for Project Leaders (21-22/12/16)			
	Income		12,200.00	
	Less: Refreshment and drinking water + GST	1,144.80		
	Rental of auditorium	500.00		
	Stationery, pencil, certificate and F/Chart paper	40.50		
	PMO Asia Sdn. Bhd.	7,414.59	<u>(9,099.89)</u>	3,100.11
(36) Course	- 500kV Switchyard Design - Basic Principles (10-13/1/17)			
	Income		2,800.00	
	Less: Remittance of course fee to SEB	1,600.00		
	GST	96.00	<u>(1,696.00)</u>	1,104.00
(37) Course	- Project Management Certification, PMP Boot Camp (6-9/2/17)			
	Income		3,007.00	
	Less: Refreshment and drinking water	1,032.00		
	Rental of function room	250.00		
	Stationery, pencil and certificate	25.00	<u>(1,307.00)</u>	1,700.00
(38) Course	- Steel Material Selection and Compliance with Structural Eurocodes (23/2/17)			
	Income		11,250.00	
	Less: Participants cert		<u>(19.50)</u>	11,230.50

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

2. ORGANISED COURSES/ACTIVITIES - continued	RM	RM	RM
(39) Course - Talk on Programming for Engineers IEM SB (3/3/17)			
Income		1,410.00	
Less: Rental of auditorium	125.00		
Refreshment and drinking water + GST	527.88		
Stationery, pencil and certificate	43.40	<u>(696.28)</u>	713.72
(40) Course - BEM Safety and Health at Work (6-7/3/17)			
Income		5,318.06	
Less: Refreshment and drinking water	1,440.00		
Rental of auditorium	500.00		
Stationery and pencils	45.50	<u>(1,985.50)</u>	3,332.56
(41) Course - Design Concepts of Plumbing and Soil Waste vent Systems (13-14/3/17)			
Income		11,000.00	
Less: Refreshment and drinking water	1,032.00		
Rental of auditorium	500.00		
Stationery, pencil and certificate	26.90		
Speaker profit and expenses claim	5,185.88	<u>(6,744.78)</u>	4,255.22
(42) Course - Design and Application of Cold Formed Steel in Buildings (23/3/17)			
Income			1,000.00
(43) Course - Project Management: Risk Management for Project Leaders (16-17/3/17)			
Income		18,700.00	
Less: Refreshment and drinking water	1,723.50		
Rental of classroom	800.00		
Stationery, pencil, certificate and F/Chart paper	59.70		
Secretariat claims	310.00	<u>(2,893.20)</u>	15,806.80
(44) Course - The Latest Paving Technologies for Road Construction and Maintenance in Malaysia (29/3/16)			
Income		-	
Less: Cancel invoice No. 56/2015)		<u>(180.00)</u>	(180.00)
(45) Course - Multiphase Flow Process from CFD Perspective (24-26/8/16)			
Income			1,000.00
(46) Course - Understanding JKR Sarawak from OF Contract 2016 (5/10/16)			
Income			1,000.00
(47) Course - Biofuel and Biofuel Engine (12/10/16)			
Income			1,000.00

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

2. ORGANISED COURSES/ACTIIVITIES - continued	RM	RM	RM
(48) Course - Electrical and Electronic Measurement (25/10/16)			
Income			1,000.00
(49) Course - Urban Traffic Management and Control (24-25/11/16)			
Income			1,000.00
(50) Course - Rapid Load Testing and Recent Advancements in Geotechnical Inst (21/10/16)			
Income			1,000.00
(51) Course - EHV Substation - The Critical Factors (15-17/11/16)			
Income			1,350.00
(52) Course - Road Design with Autocad Civil 3D 2017 (11-13/1/17)			
Income			1,000.00
(53) Activity - PE Interview (11/11/16)			
Income		-	
Less: Rental of function room		(75.00)	(75.00)
(54) Course - IEM Mentors Workshop (5/11/16)			
Income		-	
Less: Air ticket		(848.00)	(848.00)
<b>Surplus</b>			<b><u>110,424.36</u></b>
(ii) <i>IEM (Sarawak Branch) InTEC Fund Raising Dinner 2017 (22/4/17)</i>			
Income		58,000.00	
Less: Deposit for Door Gifts and Live Band	9,732.80		
Deposit for Wowbooth	1,150.00		
Kerajaan Malaysia fee for letter (support letter from ROS for fund raising)	10.00	(10,892.80)	<b><u>47,107.20</u></b>
(iii) <i>Courses/Activities organised by YES IEM SB</i>			
(1) Activity - IEM HQ AGM and 57th Annual Dinner and Awards Night 2016 (16-18/4/16)			
Income		-	
Less: Reimbursement (souvenir)	123.50	(123.50)	(123.50)
(2) Activity - Site Visit to Batang Sadong Bridge Construction (14/5/16)			
Income		2,310.00	
Less: Rental of bus	450.00		
Drinking water	20.00		
Souvenir plaque	76.50		
Safety vest, helmet, rubber logo and sticker	1,256.37		
Mileage claim and certificate	84.20		
Contribution to NATSUM fund	422.93	(2,310.00)	-



**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

2. ORGANISED COURSES/ACTIIVITIES - continued	RM	RM	RM
(3) Activity - Blood Donation Drive at Vivacity (25/6/16)			
Income		-	
Less: Parking charges	43.00		
Meal allowance	125.00		
Drinking water	4.90		
Table rental	200.00	<u>(372.90)</u>	(372.90)
(4) Activity - Appreciation Dinner for Session 2015/2016 (16/7/16)			
Income		-	
Less: Chinese set dinner	3,180.00		
Souvenir and certificate	1,400.40		
Miscellaneous	296.00	<u>(4,876.40)</u>	(4,876.40)
(5) Activity - IEM G&S HQ Annual Dinner (23/7/16)			
Income		-	
Less: Air ticket, taxi fare and accommodation	1,283.86		
Mileage claim and allowance	148.00	<u>(1,431.86)</u>	(1,431.86)
(6) Activity - IEM National Summit 2016 (28-31/7/16)			
Income		105,548.00	
Less: Hotel accommodation	23,802.30		
Transportation	5,100.80		
Food and beverages	33,798.20		
Live band	5,000.00		
Team building	6,101.80		
Meal allowance	520.00		
Claims	1,294.70		
Dinner ticket and souvenir booklet	4,764.90		
T-shirt, plaque and souvenir	8,097.42		
Backdrop and banner	858.00		
Air fare	860.66		
Courier, postage and certificate	131.80		
Contribution to NATSUM fund	86.80	<u>(90,417.38)</u>	15,130.62
(7) Course - Talk on an Overview on Professional Engineers Interview (24/9/16)			
Income		1,935.00	
Less: Refreshment and hall rental	539.20		
Honorarium	450.00		
Drinking water	20.00		
Stationery, pencil and certificate	38.95	<u>(1,048.15)</u>	886.85

**THE INSTITUTION OF ENGINEERS MALAYSIA  
(SARAWAK BRANCH)**

**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

2. ORGANISED COURSES/ACTIIVITIES - continued	RM	RM	RM
(8) Activity - IEM Engineers Run 2016 (11/9/16)			
Income		54,005.00	
Less: Kelab Larian City Jogger's Padungan	8,450.00		
T-shirt	8,320.00		
Bunting	750.00		
Medal and mould	13,600.00		
Appreciation souvenirs and plaque	1,050.00		
Paper cup, drinking water, fake ice and garbage bag	732.15		
Cash prize	2,800.00		
Meal allowance	800.00		
Reimbursement claims	991.65		
Souvenir (Bamboo to Broadband Book) and stationery	1,798.25		
Donation to SCCS	14,712.95	<u>(54,005.00)</u>	-
(9) Activity - Mount Singai Gotong Royong (1/10/16)			
Income		-	
Less: Mileage claims		<u>(142.50)</u>	(142.50)
(10) Activity - IEM Perak Annual Dinner (8/10/16)			
Income		-	
Less: Hotel accommodation	110.00		
Air ticket and transportation	775.24		
Allowance	130.00	<u>(1,015.24)</u>	(1,015.24)
(11) Activity - UNIMAS - A Day With IEM (15/10/16)			
Income		-	
Less: Mileage claim		<u>(31.50)</u>	(31.50)
(12) Activity - UNIMAS - STEM Engineering Conference 2016 (EnCon) Exhibition (26/10/16)			
Income		-	
Less: Meal allowance	110.00		
Parking charges	6.00		
Bookmark and ribbon	113.00	<u>(229.00)</u>	(229.00)
(13) Activity - 34th Conference of the ASEAN Federation of Engineering Organizations (34th CAFEO) (21-24/11/16)			
Income		-	
Less: Air ticket and transportation	3,532.34		
Registration fee	528.00		
Hotel accommodation and laundry	1,714.50		
Allowance	640.00		
Airport terminal fee	40.00	<u>(6,454.84)</u>	(6,454.84)

**THE INSTITUTION OF ENGINEERS MALAYSIA  
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**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

2. ORGANISED COURSES/ACTIIVITIES - continued	RM	RM	RM
(14) Activity - IEM Penang Branch Annual Dinner and Inter Branch Visit (2-3/12/16)			
Income		-	
Less: Air tickets	1,078.96		
Accommodation	350.00		
Mileage claim and allowance	155.50		
Souvenir	40.00	<u>(1,624.46)</u>	(1,624.46)
(15) Activity - Eco-Lodge Holiday Camp (15/12/16)			
Income		-	
Less: Prizes	85.70		
Stationeries, materials and certificate	91.38		
Souvenir	62.10	<u>(239.18)</u>	(239.18)
(16) Activity - Membership Recruitment Drive (MRD) at UCTS Sibul (17/3/17)			
Income		-	
Less: Flight ticket	1,248.48		
Mileage claim	22.00		
Allowance	210.00	<u>(1,480.48)</u>	(1,480.48)
(17) Activity - IEM Engineering Expo and Career Fair 2017 (11-12/3/17)			
Income		31,480.00	
Less: Exhibition hall rental	6,860.00		
Exhibition booth and facilities	16,430.00		
Refund of exhibition hall deposit (pending)	(500.00)		
Souvenir, banner, FB frame, sticker and design fee	1,455.20		
Meal allowance	900.00		
Parking and mileage claims	192.30		
Refreshment and drinking water	200.35		
Stationeries, miscellaneous, postage and certificate	175.10		
Banner and backdrop	1,384.00		
Lucky draw prizes	803.00		
Ballons arch	265.00	<u>(28,164.95)</u>	3,315.05
<b>Surplus</b>			<b><u>1,310.66</u></b>

**2. ORGANISED COURSES/ACTIIVITIES - continued**

*Summarised as follows:-*

(i) Surplus from courses/activities organised by IEMSB and in collaboration with other parties	110,424.36
(ii) IEM (Sarawak Branch) InTEC Fund Raising Dinner 2017	47,107.20
(iii) Surplus from courses/activities organised by YES IEM SB	<u>1,310.66</u>
<b>Total surplus from organised courses/activities</b>	<b><u>158,842.22</u></b>

**THE INSTITUTION OF ENGINEERS MALAYSIA  
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**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

**3. ADMINISTRATIVE EXPENDITURES**

	2017 RM	2016 RM
<i>This represents expenses incurred in relation to:-</i>		
AGM & annual report expenses	1,268.20	2,936.30
Allowances	11,100.00	10,950.00
Auditors' fee	1,600.00	1,600.00
Bank charges	270.04	175.69
Depreciation	9,645.20	10,063.00
Entertainment and refreshment	3,952.30	-
EPF and SOCSO contributions	4,451.80	4,079.80
General expenses	6,457.48	8,033.07
Graduate and student expenses	1,389.49	10,998.48
GST expenses	46.51	-
Medical expenses	50.00	196.00
Website	-	12,000.00
Office refreshment and meeting expenses	-	334.40
Parking fee	-	32.00
Postage	709.90	1,011.15
Printing and stationery	4,839.93	4,042.31
Professional charges	2,500.00	-
Inventory written off	770.03	-
Quit rent for INTEC land	1,237.00	1,237.00
Salaries, overtime and bonus	42,405.52	38,240.82
Sarawak Inter-Professional Games	500.00	-
Telephone, fax and internet	3,559.03	3,629.72
Travelling expenses	2,369.00	7,166.36
UPC - Office, function room rental	6,110.00	5,978.75
Income tax expense	-	3,300.32
	<u>105,231.43</u>	<u>126,005.17</u>

**4. INVENTORIES**

	2017 RM	2016 RM
Books, at cost (Engineering Heritage of Malaysia)	56.00	196.00
YES T-shirt, at cost	182.00	182.00
Tie, at cost	35.00	105.00
	<u>273.00</u>	<u>483.00</u>

**5. TRADE RECEIVABLES**

	2017 RM	2016 RM
Courses income receivables	<u>49,130.00</u>	<u>7,521.10</u>



**THE INSTITUTION OF ENGINEERS MALAYSIA  
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**NOTES TO THE FINANCIAL STATEMENTS - 31 MARCH 2017 - continued**

6. OTHER RECEIVABLES

	2017 RM	2016 RM
Fixed deposits interest receivables	14,343.58	10,717.41
IEM engineering Expo 2017 (sponsor and registration fee)	5,120.00	-
Deposit for promotional space at Cityone Megamall	500.00	-
	<u>19,963.58</u>	<u>10,717.41</u>

7. DEPOSIT

	2017 RM	2016 RM
Office rental deposit	<u>600.00</u>	<u>600.00</u>

8. PROPERTY, PLANT AND EQUIPMENT

	Computer hardware and software RM	Office furniture, fittings and equipment RM	Short leasehold land RM	Total RM
<u>Cost</u>				
As at 1.4.2016	<u>3,355.00</u>	<u>20,918.75</u>	<u>556,650.00</u>	<u>580,923.75</u>
As at 31.3.2017	<u>3,355.00</u>	<u>20,918.75</u>	<u>556,650.00</u>	<u>580,923.75</u>
<u>Accumulated depreciation</u>				
Charge for 2016	<u>417.80</u>	<u>367.70</u>	<u>9,277.50</u>	<u>10,063.00</u>
Charge for the year	-	367.70	9,277.50	9,645.20
As at 1.4.2016	<u>3,355.00</u>	<u>19,013.65</u>	<u>37,110.00</u>	<u>59,478.65</u>
As at 31.3.2017	<u>3,355.00</u>	<u>19,381.35</u>	<u>46,387.50</u>	<u>69,123.85</u>
<u>Net carrying amounts</u>				
As at 31.3.2017	<u>-</u>	<u>1,537.40</u>	<u>510,262.50</u>	<u>511,799.90</u>
As at 31.3.2016	-	1,905.10	519,540.00	521,445.10

**Discipline Code Master List**

0001	Aeronautical	0037	Biochemical
0002	Building	0038	Building Services
0003	Civil	0039	Instrumentation & System
0004	Electrical	0040	Mining & Metallurgy
0005	Electronic	0041	Mechanics
0006	Fuel	0042	Nuclear
0007	Gas	0043	Control Systems
0008	Highway	0044	Water Resources
0009	Electromechanical	0045	Offshore
0010	Flight	0046	Energy
0011	Production	0047	Manufacturing
0012	Mechanical	0048	Aerospace
0013	Marine	0049	Communication
0014	Naval Architecture	0050	Construction
0015	Mining	0051	Geotechnical
0016	Petroleum	0052	Thermal
0017	Industrial	0053	Manufacturing System
0018	Environmental	0054	Computer System
0019	Structural	0055	Food & Process
0020	Architectural	0056	Computer & Communication
0021	Hydraulic	0057	Bio-Medical
0022	Public Health	0058	CAD/CAM
0023	Metallurgy	0059	Telecommunication
0024	Transport	0060	Mechatronics
0025	Chemical	0061	Mineral Resources
0026	Agricultural	0062	Information System
0027	Mineral Processing	0063	Polymer
0028	Geological	0064	Biology & Agricultural
0029	Computer	0065	Automotive
0030	Materials	0066	Information Technology
0031	Instrumentation & Control	0067	Biotechnology
0032	Textile	0068	Mineral
0033	Electrical & Electronic	0069	Microelectronic
0034	Civil & Structural	0070	Highway & Transport
0035	Municipal	0099	Others
0036	Electronic & Radio		

## **Appendices**

Minutes of 48<sup>th</sup> Annual General Meeting

48<sup>th</sup> Annual General Meeting Attendance List

IEM (Sarawak Branch) Professional Interview List

No	Matters	Action/ Attention
	<b>QUORUM</b>  According to the By-Law No. 39 of the Branch By-Laws (Revised and Approved in 1/8/1999), the quorum required a minimum one-third of the total of Corporate Members. This was achieved at the 48 <sup>th</sup> Annual General Meeting, which was attended by a total of 230 Members of IEM.	For Info
1	<b>Chairman Opening Address</b>  The Sarawak Branch Chairman (Session 2014/2015), Ir. Haidel Heli called the Meeting to order at 9.00 am as the quorum was met and thanked all present one for attending the Annual General Meeting. He also wished to take this opportunity to thank all the committee members for the support throughout his two (2) terms as Chairman of IEM SB.	For Info
2	<b>Confirmation of previous 47<sup>th</sup>AGM 2015 Minutes of Meeting</b>	
2.1	All members were invited to go through the last minutes of AGM minutes. The confirmation of the minutes of the last meeting was proposed by Ir. Uarnzder anak Junaidi Kutoi (M20982) and seconded by Ir. Terrence Wong Kuen Mou (M20525).	For Info
3	<b>Reports for session 2015/2016</b>	
3.1	<b>Annual Report by Honorary Secretary</b>	
3.1.1	Ir. Rudi Abang Zamhari presented the Annual Report which covered on the activities and courses conducted throughout Session 2015/16 as per attached in the IEM SB 48 <sup>th</sup> AGM Report distributed to all members.	For Info
3.1.2	Ir. Rudi highlighted that in response to last AGM comment regarding the AGM report, the IEM SB 48 <sup>th</sup> AGM Report has been uploaded to IEMSB website. Only the minute of meeting of 47 <sup>th</sup> AGM and financial report are printed and distributed.	For Info
3.2	<b>Financial Report by Honorary Treasurer</b>	
3.2.1	Ir. Sim Hui Kheng presented the Financial Report throughout Session 2015/16 as per attached in the IEM SB 48 <sup>th</sup> AGM Report distributed to all members.	



4	<b>Announcement of Results of Election for Branch Committee</b> (Session 2016/2017)																															
4.1	<p>Ir. Tang Chok Khing was elected as Chairman of the branch for session 2016/2017. He then call upon the new lining up of committee for session 2016/2017, as appended below:</p> <table> <tr> <td>Chairman</td><td>Ir. Tang Chok Khing, Vincent</td><td>(M07369)</td></tr> <tr> <td>Vice Chairman</td><td>Ir. Dr. Dominic Ong Ek Leong</td><td>(M19462)</td></tr> <tr> <td>Vice Chairman</td><td>Ir. Sim Hui Kheng, Stephanie</td><td>(M19167)</td></tr> <tr> <td>Honorary Secretary</td><td>Ir. Tan Joo Kok, Johnny</td><td>(M41506)</td></tr> <tr> <td>Honorary Treasurer</td><td>Ir. Dr David Bong Boon Liang</td><td>(M17676)</td></tr> <tr> <td>Committee (Civil)</td><td>Ir. Law Sie Ding, Jonathan</td><td>(M57343)</td></tr> <tr> <td>Committee (Mechanical)</td><td>Ir. Bernard Wong Shuen Yuan</td><td>(M75166)</td></tr> <tr> <td>Committee (Electrical)</td><td>Ir. Janang Ak. Bungsu</td><td>(M21883)</td></tr> <tr> <td>Committee(Any Discipline)</td><td>Ir. Irwan Zulkarnain B. Mohamad</td><td>(M13425)</td></tr> <tr> <td></td><td>Hasbie</td><td></td></tr> </table>	Chairman	Ir. Tang Chok Khing, Vincent	(M07369)	Vice Chairman	Ir. Dr. Dominic Ong Ek Leong	(M19462)	Vice Chairman	Ir. Sim Hui Kheng, Stephanie	(M19167)	Honorary Secretary	Ir. Tan Joo Kok, Johnny	(M41506)	Honorary Treasurer	Ir. Dr David Bong Boon Liang	(M17676)	Committee (Civil)	Ir. Law Sie Ding, Jonathan	(M57343)	Committee (Mechanical)	Ir. Bernard Wong Shuen Yuan	(M75166)	Committee (Electrical)	Ir. Janang Ak. Bungsu	(M21883)	Committee(Any Discipline)	Ir. Irwan Zulkarnain B. Mohamad	(M13425)		Hasbie		For Info
Chairman	Ir. Tang Chok Khing, Vincent	(M07369)																														
Vice Chairman	Ir. Dr. Dominic Ong Ek Leong	(M19462)																														
Vice Chairman	Ir. Sim Hui Kheng, Stephanie	(M19167)																														
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Committee(Any Discipline)	Ir. Irwan Zulkarnain B. Mohamad	(M13425)																														
	Hasbie																															
5	<b>Appointment of External &amp; Internal Auditor</b>																															
5.1	With no objection received from any attended members, the services of chartered accountant, Messrs Richard Kiew & Company as IEM (Sarawak branch) external auditor was extended for another year into Session 2016/2017.	Hon Treasurer																														
5.2	Ir. Rudi Abang Zamhari (M20712) and Ir Tang Su Fan (M19305) were nominated and appointed as internal auditors for Session 2016/2017.	Hon Treasurer																														
6	<b>Appointment of Tax Auditor</b>																															
6.1	Ir. Ling Kah Jai (M09628) queried on the reason for engaging tax auditor. Ir Sim informed that all the profits are subjected to tax and the audit is more on the asset and not on GST as we are not a GST registered institution yet.	For Info																														
6.2	With no objection received from any attended members, the services of chartered accountant, Messrs Richard Kiew & Company as IEM (Sarawak branch) external auditor was extended for another year into Session 2016/2017.	For Info																														
7	<b>New Chairman address for session 2016/2017</b>																															
7.1	The newly elected Chairman, Ir. Tang Chok Khing expressed his honor to serve the chair and looked forward to engage with all members in order to move the branch forward.	For Info																														
7.2	He informed that new committee line up shall continue organizing activities and courses for the members including to serve those in Sibul and Bintulu regions. He expressed his hope that the new committee could encourage more members to join and serve IEM SB. He also stressed the importance of the two major events, namely National Summit and IEM Engineer's Run and encourages all members to participate and to support these events.	Branch Committee 2016/17																														
8	<b>IEM HQ Chairman address</b>																															
8.1	The IEM HQ Chairman attended IEM SB AGM. He briefed the members on IEM future direction. He stressed that the sustainability of IEM depends on the contribution from the non-corporate member. As such, we should put more emphasis on non-corporate members and to encourage them to join IEM.																															

9	<b>Briefing on IntEC Development</b>	
9.1	Ir. Dr. Dominic briefed all the members on the progress of IntEC project. The RM500,000.00 soft loan from IEM HQ has been fully settled. A standing committee will be set up and will collaborate with JKR to develop IntEC, which includes a research centre. Members are also encouraged to drop an email shall they have any ideas on IntEC development.	
10	<b>Any other business</b>	
10.1	<b>National Summit 2016 &amp; IEM Engineer's Run 2016</b>	
10.1.1	Ir. Tang further stressed the two major upcoming events and would like to seek for support from all members to ensure the success of the events.	For Info
10.2	<b>Difference between BEM and IEM</b>	
10.2.1	Members raised a query on the difference between BEM and IEM. IEM HQ Chairman, Ir. Tan explained that BEM is a regulatory body whereas IEM is a learning platform to link the world and their members to provide an unbiased and scientific view on member queries.	For Info
10.3	<b>Consideration for Reduction of CPD points and Increase in the Scale of Fee</b>	
10.3.1	Members asked if the yearly CPD of 50 hours can be reduced and to increase the Scale of Fee as Engineer Scale of Fee is low compared to other professions.	For Info
10.3.2	Ir. Tan explained that the CPD hour is set by BEM and it is a standard for all professional engineers throughout the world and this is to ensure that we are on par with other engineers throughout the world.	
10.3.3	Ir. Tan also explained the BEM is currently reviewing the Scale of Fee.	
10.4	<b>Courses on Scale of Fee</b>	
	Members commented that the courses conducted on Scale of Fee is too general and not clearly spelt out. Ir. Tan will bring this up to BEM on this matter.	For Info
10.5	<b>Representation in Academic of Science Malaysia</b>	
	Members queried if IEM has any representation in Academic of Science Malaysia. Ir Tan commented that all the while IEM has a strong representation in ASM, most past IEM presidents have been elected in ASM.	For Info
11	There being no other matter, the meeting was adjourned at 11:00 am.	For Info

Recorded by:



Ir. Rudi Haji Zamhari  
Hon. Sec (2015/2016)

Confirmed by:



Ir. Haidel Heli  
Chairman (2015/2016)

Enclosures

48<sup>th</sup> AGM Attendance List

## IEM (SARAWAK BRANCH) 48th ANNUAL GENERAL MEETING &amp; TECHNICAL TALK ON SYSTEMATIC APPROACH FOR EFFECTIVE PROJECT RISK MANAGEMENT

DATE : SATURDAY, 18th JUNE 2016

TIME : 8.30 AM - 12.30 PM

VENUE : BILIK GUNUNG BUDA &amp; GUNUNG GADING, M HOTEL (HOCK LEE CENTRE)

NO. OF CPD: 6 HOURS

REF : IEM16/SWAK/196/AGM

REF : IEM16/SWAK/197/T



NO.	NAME	POST	DEPARTMENT/ ORGANIZATION	IEM NO.	PE NO.	SIGN
1	Haidel Heli	Chairman	Perunding Iskfit	M22455		
2	Kenny Thian Boon Khuin	Immediate Past Chairman	Wacis Engineering Sdn Bhd	M17236		
3	Tang Chok Khing	Vice Chairman I	JKR Sarawak, Southern Regional Office	M07369	19555	
4	Dominic Ong Ek Leong	Vice Chairman II	Swinburne University of Technology, Sarawak Campus	M19462		
5	Rudi Abang Zamhari	Honorary Secretary	Drainage & Irrigation Department, Sarawak	M20712	12008	
6	Sim Hui Kheng	Honorary Treasurer	JKR Sarawak, HQ	M19167	13572	
7	Tan Joo Kok	Committee (Electrical)	Sarawak Energy Berhad	M41506	14594	
8	Terence Wong Kuen Mou	Committee (Civil)	JKR Sarawak, HQ	M20525	13963	
9	Mohammad Shahril Osman	Committee (Mechanical)	UCTS, Sibul	M19410		
10	Tie Tung Ing	Committee (Any Discipline)	JKR Sarawak, Bintulu Regional Office	M19298	11271	

11) TAN YEAN CHIN President

F11712

9756

## IEM (SARAWAK BRANCH) 48th ANNUAL GENERAL MEETING &amp; TECHNICAL TALK ON SYSTEMATIC APPROACH FOR EFFECTIVE PROJECT RISK MANAGEMENT

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REF : IEM16/SWAK/197/T



NO.	NAME	DEPARTMENT/ ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
11	Abang Zulasri Bin Abg Abd Ghapur	Perunding C.F.	M29692	C113253		
12	Ahmad Hassan Bin Mohd Sharkawi	Jurutera Perunding Wahba Sdn Bhd	19848	17103		
13	Ahmad Shauffi Bin Hj. Mohd Sharkawi	Asl Engineers Sdn Bhd	21641	C113472		
14	Alin Ng Mui Heya	Syarikat SESCO Berhad	Nil	Nil		
15	Alvin Yeo Lung Lung	Nil	29199	C114383		
16	Andrew Ragai Henry Rigit	Universiti Malaysia Sarawak	17020	C112464		
17	Ang Chee Yong	Perunding Jayabina	M12595	7798		
18	Ang Ek Koon	JKR HQ Sarawak	6196	C115559		
19	Ang Wee Chung	Jurutera Jasa (Sarawak) Sdn Bhd	77642	17232		
20	Anthony Ho King Sing	Konsultant Timur	6444	1289		
21	Anthony Ngu Tung Woo	Epsilon Jurutera Perunding (s) Sdn Bhd	F1727	C113606		
22	Awang Ariffin Bin Haji Awang Bujang	Jabatan Bekalan Air Luar Bandar	16027	12682		
23	Bernard Wong Shuen Yuan	Jabatan Bekalan Air Luar Bandar	75166	16762		
24	Bertram Anak Thomas	Akjaemura Jaya Sdn Bhd	M57088	16626		
25	Bong Joon Fah	Perunding E-Mechs	1676	3731		
26	Bong Kim Fatt	JKR Malaysia	28293	17200		
27	Bong Vin Vou	Jurutera Bersatu Sdn Bhd	9217	C17977		
28	Brian Tan Choo Yong	Perunding Jutrakem Sdn Bhd	57528	15897		



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REF : IEM16/SWAK/197/T



NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
29	Chai Bui Fui	Hospital Petra Jaya Project	34843	C116515	<i>Chai</i>	<i>Chai</i>
30	<i>Chai</i> Chai Heok Guan	Konsultant Timur	20403	C113766	<i>Chai</i>	<i>Chai</i>
31	Chai Kian Hoh	Juru Perunding Edira Sdn Bhd	49454	C115310	<i>Chai</i>	<i>Chai</i>
32	Chai Kim Hook	Jurutera TCS Sdn Bhd	M 16043	9079	<i>Chai</i>	<i>Chai</i>
33	Chan Hua Tack	CHT Juruding	5208	C 15681	<i>Chan</i>	<i>Chan</i>
34	Chan Hwan Wee	KTA (Sarawak) Sdn Bhd	M20531	C114020	<i>Chan</i>	<i>Chan</i>
35	Chan Vui Tze	Nil	M22636	C14522	<i>Chan</i>	<i>Chan</i>
36	Chan Wei Thien	Nil	33805	17129	<i>Chan</i>	<i>Chan</i>
37	Chee Kung Nee	Perunding CH Engineering Sdn Bhd	15180	C 19828	<i>Chee</i>	<i>Chee</i>
38	Chen Yong Chin	Power Light Engineering Consultant	M 03438	C 14789	<i>Chen</i>	<i>Chen</i>
39	Chhoa Chia Yee	Jabatan Bekalan Air Luar Bandar	25809	15798	<i>Chhoa</i>	<i>Chhoa</i>
40	Chiam Heng Kiat	Jurutera Perunding Wahba Sdn Bhd	41143	C 116396	<i>Chiam</i>	<i>Chiam</i>
41	Chiam Heng Loon	Perunding EC Sepakat Sdn Bhd	M20892	12771	<i>Chiam</i>	<i>Chiam</i>
42	Chiang Siew Hui	Nil	M 16591	C 114919	<i>Chiang</i>	<i>Chiang</i>
43	Chin Ching Wei	SYT Consultants Sdn Bhd	27103	16969	<i>Chin</i>	<i>Chin</i>

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44	Chiong Ching Ping	Syarikat SESCO Berhad	37906	17265		
45	Chong Boon Kuet	Bormal Engineering Sdn Bhd	M06477	7384		
46	Chong Ho Seng (Eric)	Jurutera Jasa (Sarawak) Sdn Bhd	M 18352	C 113456		
47	Chong Kok Hua	Nil	M 66777	C 116350		
48	Chong Shiaw Liang	Palm Spirit Construction Sdn Bhd	M14330	9264		
49	Chow Soon Lee	Perunding JayaBina	27906	16972		
50	Christopher Gira Sambang	Juru Perunding Edira Sdn Bhd	20695	C 112942		
51	Christopher Lee Poh Hock	KTA (Sarawak) Sdn Bhd	M 14782	C 19362		
52	Chua Kim Eng	Konsortium Malaysia	32886			
53	Chua Wei Ping	Perunding Teknikal	23549	115526		
54	Chua Yan Heng	Juru Perunding Edira Sdn Bhd	49456	C115252		
55	Chung Soon Sin	Jurutera CTdesign Sdn Bhd	16579	10233		

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
56	Daniel Hii Yan Siing	Perunding Elecmecc Sdn Bhd	16049	8563	<i>Siing</i>	<i>Siing</i>
57	Daniel Timothy Sim Shan Chang	LBU Sdn Bhd	41035	14432	<i>Siing</i>	<i>Siing</i>
58	Danny Lim Hock Chuan	Nil	M 07527	9675	<i>Siing</i>	<i>Siing</i>
59	David Bong Boon Liang	Universiti Malaysia Sarawak	17676	C 113195	<i>Siing</i>	<i>Siing</i>
60	David Yui	KTA (Sarawak) Sdn Bhd	16599	C1 11466	<i>Siing</i>	<i>Siing</i>
61	Dorothy Chai Sin Yee	Asl Engineers Sdn Bhd	M 28955	C 116466	<i>Siing</i>	<i>Siing</i>
62	Edna Mathew Rujji	Dept of Irrigation & Drainage, S'wak	M 81466	17304	<i>Siing</i>	<i>Siing</i>
63	Edwina Anak Mandak	Sarawak Energy Berhad	70299	C 116461	<i>Siing</i>	<i>Siing</i>
64	Emund Chang Chian Yung	Acct Dept. /Perunding Malca Sdn Bhd	M18846	C110974	<i>Siing</i>	<i>Siing</i>
65	Felix Bong Nyuk Poh	Perunding E-Mechs	22284	13861	<i>Siing</i>	<i>Siing</i>
66	Fong Bok Shing	Jurutera Perunding Wahba Sdn Bhd	3736	C 14784	<i>Siing</i>	<i>Siing</i>
67	Foo Siang Ning	Perunding C.F.	M20297	C111927	<i>Siing</i>	<i>Siing</i>
68	Foong Poh Hing	Nil	53827	15486	<i>Siing</i>	<i>Siing</i>
69	Frederick Tsai Seng Meaw	Jurutera CTdesign Sdn Bhd	20022	10691	<i>Siing</i>	<i>Siing</i>
70	George Lee Chun Lung	Nil Jab. Babelan Air Iuar Babelan	M17075	14498	<i>Siing</i>	<i>Siing</i>
71	Goh Leng Yeu	Standard Engineers Sdn Bhd	M 07654	6779	<i>Siing</i>	<i>Siing</i>
72	Goh Thiam Ho	Sibu Rural District Council	M 23655	PE 15236	<i>Siing</i>	<i>Siing</i>

## IEM (SARAWAK BRANCH) 48th ANNUAL GENERAL MEETING &amp; TECHNICAL TALK ON SYSTEMATIC APPROACH FOR EFFECTIVE PROJECT RISK MANAGEMENT

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
73	Haji Talha Bin Affendi	Jurutera TCS Sdn Bhd	8029	C 18368		
74	Hil King Yung	Jurutera Minsar Consult Sdn Bhd	48530	C115787		
75	Hsieh Yong Jang	High Energy Engineering	2359	2530		
76	Imelda Jelani	JKR Sarawak, HQ	24472	C 115147		
77	Irwan Bin Podin	Epsilon Jurutera Perunding (S) Sdn Bhd	22469	C113755		
78	Jacqueline Anak Ban	Syarikat Sesco Berhad	87098	Nil		
79	Jamel Ibrahim	Astaka Consulting Engineers Sdn Bhd	7940	C 16714		
80	Janang Anak Bungsu	Kons. Bumi Consultant & Services S/B	21883	C111329		
81	Jeffrey Lau Sheng Rong	Kejuruteraan JL Bersatu	26422	15912		
82	Jerry Anak Ruki	SIES Engineers Sdn Bhd	25067	12863		
83	John Lau Lee Yli	Sarawak Energy Berhad	16931	12724		
84	Jong Fung Swee	Mechanical Branch, JKR Sarawak	54110	C115648		
85	Jye Ying Lu	Power Electrical Sdn Bhd	22145	Nil		



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86	Kasdi Anak Pulai	Nil	58102	17295	<i>[Signature]</i>	<i>[Signature]</i>
87	Kassim Jeritan	Konsultant Timur	13720	14769		
88	Katherina Lee Wui Sieng	Sarawak Energy Berhad	M12956	8708		
89	Kelly Wong Chien Soon	Perbena Emas Sdn Bhd	M 47076	C1 16893	<i>[Signature]</i>	<i>[Signature]</i>
90	Kelvin Law Puang Rong	EDS Konsultant Sdn Bhd	78461	Nil	<i>[Signature]</i>	<i>[Signature]</i>
91	Kho Joo Siong	Perunding Innova Sdn Bhd	23194	C 115338	<i>[Signature]</i>	<i>[Signature]</i>
92	Kho Soh Koon	KTA (Sarawak) Sdn Bhd	M 14576	C19372	<i>[Signature]</i>	<i>[Signature]</i>
93	Kho Swee Loong	Pembinaan Jaya Maju Sdn Bhd	M23243	PE14497	<i>[Signature]</i>	<i>[Signature]</i>
94	Khoo Hui Kwang	Konsortium Malaysia	M 22451	C 113519	<i>[Signature]</i>	<i>[Signature]</i>
95	Kiew Kwong Hui	Yung Kong Construction Sdn Bhd		9758	<i>[Signature]</i>	<i>[Signature]</i>
96	Kiu Kwong Lieng	Nil	29200	C114442	<i>[Signature]</i>	
97	Kok Keith Lin	Perunding Jutrakem Sdn Bhd	24268	15714	<i>[Signature]</i>	<i>[Signature]</i>
98	Kok Kim Hon	Nationmine Sdn Bhd	M 16252	11129	<i>[Signature]</i>	<i>[Signature]</i>
99	Kuan Chin Jong	Acct Dept. /Perunding Malca Sdn Bhd	M41114	C116575	<i>[Signature]</i>	<i>[Signature]</i>
100	Kueh Geok Chai	Jurutera CS	12471	10947	<i>[Signature]</i>	<i>[Signature]</i>

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NO.	NAME	DEPARTMENT/ ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
101	Lai Cho Sim	KTA (Sarawak) Sdn Bhd	M4012	C16836	<i>Cho Sim</i>	<i>Cho Sim</i>
102	Lai Sze Ying	KTA (Sarawak) Sdn Bhd	M20094	C113896	<i>Sze Ying</i>	<i>Sze Ying</i>
103	Lam Kling Chuong	Bestari Engineering Consultant	M 8375	6113		
104	Lam Siew Onn	ELE Consultant	2814	C 15342	<i>Siew Onn</i>	<i>Siew Onn</i>
105	Lau Chong Choon	Jabatan Bekalan Air Luar Bandar	25008	14324	<i>Chong Choon</i>	<i>Chong Choon</i>
106	Lau Kee Seng	EDS Konsultant Sdn Bhd	4020	4067	<i>Kee Seng</i>	<i>Kee Seng</i>
107	Lau Lee Kiong	Sarawak Construction (1963) Sdn Bhd	M 03095	C 15784	<i>Lee Kiong</i>	<i>Lee Kiong</i>
108	Lau Sie Hung	JKR Sarawak, HQ	22436	12994		
109	Law Chun Ming	PKM Projek Konsultant Sdn Bhd	24887	C112260	<i>Chun Ming</i>	<i>Chun Ming</i>
110	Law Kim Ping	G.L & Associates	12937	8736	<i>Kim Ping</i>	<i>Kim Ping</i>
111	Law Ted Min	Nil	4239	4787	<i>Ted Min</i>	<i>Ted Min</i>
112	Law Wee Kiong	CMS Clinker Sdn Bhd	7521	C174476	<i>Wee Kiong</i>	<i>Wee Kiong</i>
113	Lee Chong Teik	PPES Works (Sarawak) Sdn Bhd	M 03530	4273	<i>Chong Teik</i>	<i>Chong Teik</i>
114	Lee Jook Mui	KTA (Sarawak) Sdn Bhd	M10889	C16834	<i>Jook Mui</i>	<i>Jook Mui</i>
115	Lee Joon Hua	Blessed Builders S/B	M 36661	15756	<i>Joon Hua</i>	<i>Joon Hua</i>
116	Lee Shiuh Yeh	L & P Associates	19543	C110348	<i>Shiuh Yeh</i>	<i>Shiuh Yeh</i>
117	Lee Siak Fong	TW EngConsa Sdn Bhd	M20886	C113668	<i>Siak Fong</i>	<i>Siak Fong</i>

## IEM (SARAWAK BRANCH) 48th ANNUAL GENERAL MEETING &amp; TECHNICAL TALK ON SYSTEMATIC APPROACH FOR EFFECTIVE PROJECT RISK MANAGEMENT

DATE : SATURDAY, 18th JUNE 2016

NO. OF CPD: 6 HOURS

TIME : 8.30 AM - 12.30 PM

REF : IEM16/SWAK/196/AGM

VENUE : BILIK GUNUNG BUDA &amp; GUNUNG GADING, M HOTEL (HOCK LEE CENTRE)

REF : IEM16/SWAK/197/T



NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
118	Lee Tain Sang	Sarawak Energy Berhad	26858	C 116402		
119	Lee Wai Neng	Drainage & Irrigation Department, Sarawak	21637	13016		
120	Leonard Lim Lik Pueh	Universiti Malaysia Sarawak	M25755	C116712		
121	Leong Yun	JKR Sarawak, HQ	Nil	Nil		
122	Liau Kok Siong	JKR Sarawak, HQ	85513	Nil		
123	Liew Chia Hou	Nil	52339			
124	Liew Guan Dut	EDS Konsultant Sdn Bhd	M 27491	Nil		
125	Liew Hui Chiat	Sarawak Energy Berhad	18652	12536		
126	Liew Siaw Yee Kiat	KTA (Sarawak) Sdn Bhd	20706	C1 11468		
127	Liew Tze Khet	Perunding Optima Sdn Bhd	23914	C 114530		
128	Lim Chin Kia	Jurutera Bersatu Sdn Bhd	8981	C18571		
129	Lim Hui Kong	Kejuruteraan Berdasar	14133	8654		
130	Lim Kah Wee (Tony)	Asl Engineers Sdn Bhd	14134	C19593		
131	Lim Kian Tong	Perunding Amal Teknik Sdn Bhd	M 16038	C111130		
132	Lim Kok Ping	Jurutera Minsar Consult Sdn Bhd	43543	C115312		
133	Lim Lee Kiong	Perunding J.L. Maju	20193	C113092		
134	Lim Yik Hua	KTA (Sarawak) Sdn Bhd	M 24270	C115592		

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
135	Ling Kah Jai	Perunding Innova Sdn Bhd	9628	C 18949		
136	Ling Leh Shia 李	Jurutera Perunding Kenyalang	26938	Nil		
137	Ling Soon Yick	Jurutera Perunding M.E.L.		C115048		
138	Lo Ik Wei	Perunding Prima Jaya Sdn Bhd	39149	17270		
139	Lo Seng Sian	Konsortium Malaysia	47845			
140	Lo Thuan Kai	Syarikat SESCO Berhad	24278	17264		
141	Loh Siaw Kiat	Eswel Engineers Sdn Bhd	M10774	C1 6635		
142	Loi Chun Yew	Bormal Engineering Sdn Bhd	66358	16988		
143	Lucas lau Ung Cheng	Jurutera Minsar Consult Sdn Bhd	16500	C115273		
144	Lucia Jong Sie Ping	Perunding Teknikal	23933	116378		



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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
145	Margaret Anne Law Kui Hoak	Jurutera Bersatu Sdn Bhd	8977	C17856		
146	Mathew Ho Voon Fui	KTA Sarawak Sdn Bhd	M 24839	14631		
147	Melvin Ong Khin Leong	Jurutera Minsar Consult Sdn Bhd	24939	C115433		
148	Michael Hii Ee Sing	Mt. Sungai Sdn Bhd	4192	C 153358		
149	Michael Wong Ming Sitt	Konsortium Malaysia				
150	Mohd Khairul bin Mohd Suhaime	Eng. Section Swak State Health Dept	32726			
151	Muhammad Syukri Imran Bin Abdullah	Eng. Section Swak State Health Dept	29207	15653		
152	Ngu Koh Kiet	Hock Seng Lee	M 11215	7862		
153	Ngu Wang Sieng, Michael	Mar & Associates Sdn Bhd	F 02395	C 14069		
154	Ngui Hwa Choon	Nil	M 2740	C 15911		
155	Noorazan B Morshid	Concept-P Jurutera Sdn Bhd	M 29090	C 13213		
156	Norman Wong Wun Chwen	KTA (Sarawak Sdn Bhd	56116	15908		
157	Oliver Junaiddi	Jurutera Murani Daya	21979	13141		
158	Omar Bin Safi-ee	Perunding Optima Sdn Bhd	35636	C 113834		
159	Ong Hui Keng	Jabatan Bekalan Air Luar Bandar	M 6643	7577		
160	Ong Kong Beng	Jurutera Minsar Consult Sdn Bhd	26474	C114434		

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
161	Paul Chan Thien	Retired Govt. Servant	M07856	C18896		
162	Peter Jumacrinicco Chunjeh	SIES Engineers Sdn Bhd	79271	16999		
163	Pooh Yih Fang	L & P Associates	19277	C119282		
164	Pui Yin Jun	Fozdar Sdn Bhd	23506	C116264		
165	Robert Tan Wei	Perunding CH Engineering Sdn Bhd	15199	C19242		
166	Robert Wong Sie Ung	Sarawak Energy Berhad	24371	113997		
167	Roger Phua Wee Hiong	Perunding TCS Sdn Bhd	M28039	14984		
168	Ruby Zulfika Bin Yusof	KTA (s) Sdn Bhd	29050	14219		
169	Shawn Mckenzie	Perunding Jutrakem Sdn Bhd	27912	15982		
170	Sim Poy Hiong	Nil	M7233	7111		
171	Sim Wee Hin	Perunding C.F.	M31527	C113479		
172	Simon Lau Han Hiong	Perunding SL	Nil	7098		
173	Simon Lee Kho Eng	Perunding Teknikal	6105	111729		
174	Siti Noor Linda Tailb	Universiti Malaysia Sarawak	M 28840	C 116899		
175	Sng Chee Chuan	Acct Depart/Perunding WES Sdn Bhd	M 08130	C 17307		
176	Soh Siau Chui	Sole Proprietor	M 11407	C17741		
177	Soon Choon Hule	Eco-Ideal Consulting Sdn Bhd	M 01172	1525		
178	Soon Choon Moh	PKM Projek Konsultant Sdn Bhd	2089	C12064		
179	Sophia Lim Soo Feei	Nil	69503	Nil		
180	Steven Tanggi Britius	Concept-P Jurutera Sdn Bhd	26746	12790		
181	Suyanto Bin Osman	Eswel Engineers Sdn Bhd	M10343	8024		

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
182	Tan Chun Liang	STA Enterprises Sdn Bhd	71675	16686		
183	Tan Kee Beng	PU Engineering Sdn Bhd	8318	C 15987		
184	Tan Kee Choon	Sarawak Energy	14597	6293		
185	Tan Kok Fan	Sarawak Energy Berhad				
186	Tan Siak Kwang	Jurutera Perunding Wahba Sdn Bhd	13348	C 18637		
187	Tang Su Fan	KTA (Sarawak) Sdn Bhd	M 19305	C113653		
188	Tan Tang Chin	Sarawak Energy Berhad	24723	C 114386		
189	Tan Thong Meng	Swee Cheng Construction	M 10848	C 8121		
190	Tay Chew Chuan	Jurutera Perunding Wahba Sdn Bhd	53750	17231		
191	Tay Chong Kui	Konsortium Malaysia	71669	C116701		
192	Tay Choon Guan	KTA (Sarawak) Sdn Bhd	54504	C116364		
193	Teo Jin Ann	TW EngConsa Sdn Bhd	14400	C 18690		
194	Teo Kuang Kim	PKM Projek Konsultant Sdn Bhd	8348	C18606		
195	Teo Loon Kien	J.K. Bersatu Sdn Bhd	M 41038	14620		
196	Tiang Sie Hui	Jurutera Perunding Wahba Sdn Bhd	24711	C 112100		

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
197	Tien Loy Bong	KTP Civil and Structure Sdn Bhd	50122	17020	<i>Rui</i>	<i>Rui</i>
198	Ting Kee Yuh	PS Konsultant Sdn Bhd	M 12619	C 18465	<i>info</i>	<i>info</i>
199	Ting Tiew Whong	SMEC (Malaysia) Sdn Bhd	24193	113499	<i>W</i>	<i>W</i> *HGM
200	Tiong Hing Lee	Bina Perunding	9607	C16930		
201	Tiong Khin Soon, Michael	Perunding C.F.	M08445	C16476	<i>P</i>	<i>P</i>
202	Tiong Kung Yew	J.K. Bersatu Sdn Bhd	M27471	14655	<i>Y</i>	<i>Y</i>
203	Tiong Tung Ting	Jurutera Minsar Consult Sdn Bhd	7377	C17392	<i>T</i>	<i>T</i>
204	Tnay Choon Hwa	CN Tnay	8151	C 15321	<i>H</i>	<i>H</i>
205	Tony Lim Tze Chew	Yamaco engineering Sdn Bhd	M 05923	4894	<i>T</i>	<i>T</i>
206	Tsai Siew Zoo	Syarikat Sesco Berhad	Nil	Nil	<i>S</i>	<i>S</i>



ITEM (SARAWAK BRANCH) 48th ANNUAL GENERAL MEETING & TECHNICAL TALK ON SYSTEMATIC APPROACH FOR EFFECTIVE PROJECT RISK MANAGEMENT

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NO.	NAME	DEPARTMENT/ ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
207	Uarnzder Anak Junaldi Kutoi	Akjaemura Jaya Sdn Bhd	M20982	15393		
208	Voon Siaw Chee	Jurutera Minsar Consult Sdn Bhd	2555	C115126		VSC.
209	Wellington Anak Albert Kambun	Syarikat SESCO Berhad	87097	Nil		
210	William Wera Lukam	Nil	66769	C116357		
211	Wong Ling Tung	Sarawak Flour Mill Sdn Bhd	47630	C115007		
212	Wong Chang Chung	Sarawal Energy Berhad				
213	Wong Hee Chiong	Konsultant Timur	6495	C 16976		
214	Wong Hin Yong	Jurutera Perunding Kenyalang	22643	C 113426		
215	Wong Howe Ngiing	Tulus Global Sdn Bhd	58012	Nil		
216	Wong Leong Teck	Kraft Engineering Consultant Sdn Bhd	16932	C110171		
217	Wong Sil Sing	Concept-P Jurutera Sdn Bhd	14989	10096		
218	Wong Siong Boon	Perunding WSB	7539	C110283		
219	Wong Wen Ang	Jabatan Bekalan Air Luar Bandar	7557	6902		
220	Wong Woan Juan ✕	Swinburne University of Technology Sarawak Campus	22946	C 116089		

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NO.	NAME	DEPARTMENT / ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
221	Yap Khan Nie	Perunding KSL	24431	C114519		
222	Yap Kiam Fui	Perunding Muhandis Sdn Bhd	7174	C 16811		
223	Yeo Eng Song	Perunding Elecmecc Sdn Bhd	10393	8732		
224	Yeo Jui Peng	Jurutera Minsar Consult Sdn Bhd	16668	C19701		
225	Yeo Ming Hou	Jurutera Daya Konsult	M6636	C 16750		
226	Yeo Teck Yong	Jurutera CSD Sdn Bhd	6843	6612		
227	Yeo Tiong Hui	Nishimatsu Construction Co. Ltd	38624	C115465		
228	Yil Huang Swee	EME Project Consultant, Sibn	M22509	C113532		
229	Yong Sieng Hong	Borneo Development Corp.(S) Sdn Bhd	11107	8575		
230	Yong Yee Fad	G & P Professional (Sarawak) Sdn Bhd	2821	5891		
231	Yusuf Bin Abd Wahab	Jurutera Perunding Wahba Sdn Bhd	18559	C 19775		
232	Yusuf Bin Zubir	Eng. Section Swak State Health Dept	32918			

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## IEM (SARAWAK BRANCH) 48th ANNUAL GENERAL MEETING &amp; TECHNICAL TALK ON SYSTEMATIC APPROACH FOR EFFECTIVE PROJECT RISK MANAGEMENT

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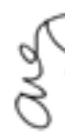







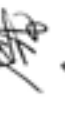






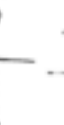






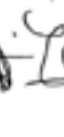







NO.	NAME	DEPARTMENT/ORGANIZATION	IEM NO.	PE NO.	SIGN IN (AM)	SIGN OUT (PM)
1.	Lensus Anak Met	Sarawak Energy Bhd.	52447	15514		
2.	Ir Zulkarain Hj Morshidi	Perunding Hutan Malca S/B	0601244444 NO. 255425	256897		
3.	<del>James Samad Heng</del>	<del>Sarawak</del>				
4.	Lauy Chong Chuan	Walzer S/B	166519964	9964		
5.	TAN LAY PHIN	SEB	M19194	17300		
6.	The Tuney Jay	<del>SEB</del>				
6	Lauy Liu Theng	KM (0168885076)				
7.	Tan Tai Kang	KTA	M14794	8659		
8.	Ho King Sing Anthony	KT				
9.	ZULHADI B. ROSDI	NAQ ASSOCIATES S/B		113208		
10.	Abg Marani Abg Busut	NAQ ASSOCIATES S/B	18813			
11.	Collin Chien Kai King	PECS (010-766-0075)				
12.	Lee Soo Hwa Hwa	TKY CONSULTING S/B	M14138?	9822		
13.	Liew Ning Chee	JKE Sarawak	66066	C116373		
14.	Lai Phui Huen	JKR Sarawak	27135	C115460		
15.	Talha H. Affendi	Junker TCS S/B	01951551	8368		

16/ WONG SEH LENG

Perunding Iskfit (019181589)

Laying

SUNY

No.	Name	Department / Organization	LEM No.	PE. NO.	Sign IN	Sign Out
1.	Lim Kim Ong	Pending SL	32868	-		
2.	James Sim Wei Hong	Sunde Energy Berhad	79319	-		
3.	Erwin Effendi,	DRR SRC	71651	-		
4.	Thong Chia Chin	JPG	81308	-		
5.	Victor Bong Nee Shin	SUTS	-	-		
6.	Wilfred Wong	SEB	-	-		
7.	Alan Ng	SEB	-	-		
8.	Grace Yong Chia Chi	SUTS	79239	-		
9.	Alexander Bong Kii Ping	SATS	<del>79222</del>	-		
10.	Chester Bong Kii Yui	SUTS	79238	-		
11.	Tang Pei Pui	SUTS	-	-		
12.	Mohd Hafiez Izzwan Saad	UNIMA S	54223	-		
13.	Clarissa Adeline	SUTS	-	-		
14.	Angelina Liew San Chuan	SUTS	25519	-		
15.	ANUS SURZIANI KOSIUM	UNIMA S	52222	-		



# IEM (Sarawak Branch) Professional Interview List

## Professional Interview Candidates April 2016 - March 2017 Session

1	Anson Sim Chin Yung - Civil	27-04-16	28-07-16	Chin Hon Sin	Wang Say Kwang	Closed
2	Ling Leh Shia - Civil	27-04-16	28-07-16	Tang Su Fan	Michael Hii Teck Miew	Closed
3	Liew Tze Kiaw - Civil	27-04-16	28-07-16	John Panil	Kenny Thian Boon Khuin	Closed
4	Ogden Ong Pei Teck - Mechanical	28-04-16	29-07-16	Mohd Shahril		Returned to HQ, not been able to commit to his appointment resulting in delay to his Interview
5	Fung Yip Hin - Electrical	20-05-16	20-08-16	Yong Ying Poh	Ling Lee Eng	Closed
6	Rudiyanto Philman Jong - Mechanical	20-05-16	20-08-16	Alphonsus Dorhat	Wong Wen Ang	Closed
7	Delsye Teo Ching Lee - Civil	20-05-16	20-08-16	Suh Ching Hieng	Ang Chee Yong	Closed
8	Mervyn Song Swee Kian - Civil	20-05-16	20-08-16	Hj. Zawawi Hj. Embong	--	Returned to HQ, failure in submitting his technical report to interviewer
9	Gan Tze Neng - Civil	20-05-16	20-08-16	Chin Hon Sin	Wang Say Kwang	Closed
10	Yong Leong Hua - Mechanical	20-05-16	20-08-16	Alphonsus Dorhat	--	Email from IEM HQ dated 30/8/16 to return Yong's documents as candidate requested to interview there. Returned
11	Jacklyn Dominic Merickan - Civil	20-05-16	20-08-16	John Panil	Yong Sieng Hong	Closed
12	Jimmy Ling Seng Huat - Civil	20-05-16	20-08-16	Kenny Thian Boon Khuin	Voon Kuok Sen	Closed
13	Boniface Chia Hung Kwang - Electrical	20-05-06	20-08-16	Henry Foong Ah Ladd	Yong Ying Poh	Closed
14	Yap Wee Ghian - Civil	22-06-16	22-09-16	Chin Hon Sin	Wang Say Kwang	Closed
15	Wong Yew Yiin - Electrical	22-06-16	22-09-16	Janang Bungsu	Abang Marani Abang Busut	Closed
16	Faizul B. Abdul Wahab - Civil	22-06-16	22-09-16	Haidel Heli	Wong Seh Leng	Closed
17	Ng Kuok Kwang - Civil	22-06-16	22-09-16	Tang Su Fan		Assigned
18	Azuan Bin Abu Talib - Mechanical	01-08-16	04-11-16	Mohd Shahril	Alphonsus Dorhat	Closed
19	Chong Hai Fung - Electrical	01-08-16	04-11-16	Henry Foong Ah Ladd	Yong Ying Poh	Closed
20	Cho Sing Wei - Civil	23-08-16	23-11-16	John Panil	Kenny Thian Boon Khuin	Closed
21	Wong Howe Ngiing - Electrical	23-08-16	23-11-16	Katerina Lee Wui Seng		Assigned

22	Huan Tuong Ying - Civil	07-10-16	10-01-17	Kenny Thian Boon Khuin	Teo Seng Mian	Closed
23	Tan Hang Kiak - Electrical	20-10-16	23-01-17	Abang Marani Abang Busut	Janang Bungsu	Closed
24	Christopher Jantai Anak Boniface - Mechanical	20-10-16	23-01-17	Azman bin Bujang	Victoria Peter	Closed
25	Elly Nadya Binti Baijuri - Mechanical	20-10-16	23-01-17	Irwan Bin Podin	Anthony Huong Kiong Huat	Assigned
26	Mohamad Odil Bin Sabri - Civil	25-11-16	25-03-17	Hj. Zawawi Hj. Embong	Hj. Ismawi B. Muhammad	Closed
27	Leong Wen Kam - Civil	23-12-16	28-02-17	Soh Siau Chui	Wong Siong Boon	Closed
28	Rossanah Bolhassan - Civil	23-12-16	28-02-17	--	--	Request to interview at IEM Miri Branch as she is working at Miri. Doc sent to IEM Miri Branch
29	Francis Alson Mawin - Electrical	23-12-16	28-02-17	Wong Yut Tung	Lau Ing Huo	Closed
30	Ting Sie Chun - Civil	23-12-16	28-02-17	Suh Ching Hieng	Imelda Jelani	Closed
31	Chia Ka Luk - Electrical	18-01-17	31-03-17	Janang Bungsu	Abang Marani Abang Busut	Closed
32	Wong Swee Chee - Structural	24-02-17	30-04-17	Soh Siau Chui		Assigned
33	Anding Unchi - Civil	24-02-17	30-04-17	Hj. Zawawi Hj. Embong	Haidel Heli	Closed
34	Norazzlina Sa'don - Civil	01-03-17	30-04-17	Kenny Thian Boon Khuin	Chung Chow Pin	Closed
35	Abdul Razak b. Abd Karim - Civil	01-03-17	30-04-17	Hj. Zawawi Hj. Embong		Assigned (Principal Interviewer request for extension 1 month)



