

**2 CPD / PDP**  
(BEM Approved CPD / PDP Hours)  
Ref. No.: IEM18/SWAK/144/T

**Talk on STEM for Sustainable Development**

**Date** : 15<sup>th</sup> April 2018 (Sunday)  
**Time** : 7.00pm – 8.30pm  
**Venue** : Seminar Room 2, Hills Shopping Mall, Kuching  
**Speaker** : Prof Ir. Dr Andrew Ragai Henry Rigit

**SYNOPSIS**

Science, Technology, Engineering and Mathematics (STEM), are vital disciplines to our future, the future of our country, the future of our region and the future of our children. STEM comprises of Physics, Chemistry, Mathematics and Biological sciences, providing the complete knowledge and understanding of the Nature and the Universe. Physics deals with the knowledge of nature, study of matter, its motion and behavior through space and time, along with concepts related to energy and force. Its main theme is to understand how the universe behaves and sustains. Whereas Chemistry is the scientific discipline involved with the atoms, molecules and compounds that undergoes changes when they interact with each other to form new useful materials. Mathematics attains the status of the mother of sciences because it is the language that demonstrates the scientific description of physical or chemical nature, related to any phenomenon or process prevailed within the nature or industry. Biological sciences deal with the knowledge of living things. All these four branches of learning are introduced at the school level and have been taught with increased level of breadth and depth till highest level of study i.e. PhD. The essence and beauty of these subjects lies in the fact that their roots go deep into the transformation of a society from an aboriginal society to the technological advanced society. The transformation of knowledge of science to some practical embodiment always brings great benefits to the society.

**OBJECTIVE**

To highlight the importance of STEM and how they are fundamental disciplines required for sustainable development.

**BIODATA OF THE SPEAKER**

**Prof Ir. Dr Andrew Ragai Henry Rigit**

*Academic background:-*

- PhD (Mechanical Engineering - Fluid Dynamics) from Imperial College London, UK (2004)
- MEng (Mechanical Engineering), UNIMAS (1997)
- BEng (Mechanical Engineering), UNIMAS (1995)

*Working Experiences:-*

- Mechanical Engineer, JKR Sarawak, 1996-1997
- Lecturer, UNIMAS, 1997-present

**PROGRAMME**

7.00pm – 7.10pm	Registration
7.10pm – 8.30pm	STEM for Sustainable Development
8.30pm	End

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

Ultimate Professional Centre, 2<sup>nd</sup> Floor, No. 16, Jalan Bukit Mata Kuching, 93100 Kuching, Sarawak.  
Tel: 082-428506 Fax: 082-243718 Email: iemsarawak@gmail.com Website: www.iemsarawak.org

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**TALK ON STEM FOR SUSTAINABLE DEVELOPMENT**

**15<sup>th</sup> April 2018 (Sunday)**

**7.00pm – 8.30pm**

**Seminar Room 2, Hills Shopping Mall, Kuching**

**REGISTRATION FORM**

**Fees**

<i>IEM Member</i>	<i>RM25.00</i>
<i>Non IEM Member</i>	<i>RM35.00</i>

***Closing Date for Registration & Payment: 12<sup>th</sup> April 2018, Thursday (not later than 5:00pm)***

To: Secretariat

The Institution of Engineers Malaysia (Sarawak Branch)

No. 16, Jalan Bukit Mata Kuching

93100 Kuching

Tel: (082) 428 506 Facsimile: (082) 243 718

E-mail: iemsarawak@gmail.com Website: www.iemsarawak.org

**For the purpose of BEM-approved CPD/PDP hours, all IEM Members must provide their registration number.**

No.	Name(s) in CAPITALS	Email Address	IEM No.	Fee (RM)
<b>Total</b>				

Enclosed herewith, a crossed cheque no.: \_\_\_\_\_ for the sum of RM\_\_\_\_\_ issued in favour of ***"IEM (Sarawak Branch)"*** or Direct Bank in to ***The Institution of Engineers Malaysia (Sarawak Branch), Standard Chartered Bank, Account No. 420-1-5651-8528***. Kindly fax us your payment slip for direct bank-in and quote our reference when making payment. I/We understand that the fee is not refundable for no-show/cancellation after my/our registration (is) is/are accepted but substitution of participant(s) will be allowed. The Organizer reserves the right to cancel, alter or change the programme due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes.

Name of Department/Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Tel (O): \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

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