

INTERNATIONAL CONFERENCE ON MATERIALS TECHNOLOGY AND ENERGY 2017 (ICMTE 2017)



Reported by: Assoc. Prof. Vincent Lee Chieng Chen, MIMM, Curtin University Malaysia
 Edited by: Ir. Assoc. Prof. Dr. Edwin Jong Nyon Tchan, IMM Miri Chapter Chairman

Date : 21st – 23rd April 2017

Venue: Curtin University Malaysia
 (Curtin Malaysia), Sarawak

The International Conference on Materials Technology and Energy 2017 (ICMTE 2017) was successfully held for the first time in Sarawak at Curtin University Malaysia (Curtin Malaysia) from 21st to 23rd of April 2017. ICMTE 2017 had attracted over 100 delegates with varying international backgrounds from Canada, India, China, Indonesia, Singapore, Australia, Germany and Malaysia, including scholars, researchers, industrial professionals and practitioners in the fields of Materials and Corrosion Engineering, Welding Technology, Green Technology, Health and Safety and Energy.

This three-day international conference was jointly organised by The Institution of Engineers Malaysia Miri Branch (IEM-Miri), Institute of Materials Malaysia Miri Regional Chapter (IMM-Miri) and Curtin Malaysia. Besides, the conference was financially sponsored by Sarawak Energy Berhad (SEB) and Sarawak Convention Bureau (SCB) and supported by the Miri City Council (MCC). The conference also enjoyed the honour of Institute of Physics United Kingdom (IOP) as partner publisher for its conference proceedings.

Haji Mohd. Naroden Haji Majais (Assistant Minister for Resource Planning and Assistant Minister for Entrepreneur Development, Sarawak), Ms. Sherrina Hassaini (Miri Resident), Datuk Bandar Adam Yii Siew Sang (Miri Mayor), Ir. David Lai Khong Phooi (Deputy President of The Institution of Engineers Malaysia), Mr. Mohd. Azmi Mohd. Noor (President of Institute of Materials Malaysia), Prof. Clem Kuek (Dean of Research & Development and Director of the Curtin Malaysia Research Institute) and Assoc. Prof. Vincent Lee Chieng Chen (Organising Chairperson of ICMTE 2017).



Figure 2: IMM President, Mr. Mohd Azmi Mohd Noor delivering his keynote speech during ICMTE



Figure 1: Local newspaper cuttings to reveal the grand conference opening ceremony by the Guest of Honour, YB Datuk Amar Haji Awang Tengah Ali Hassan

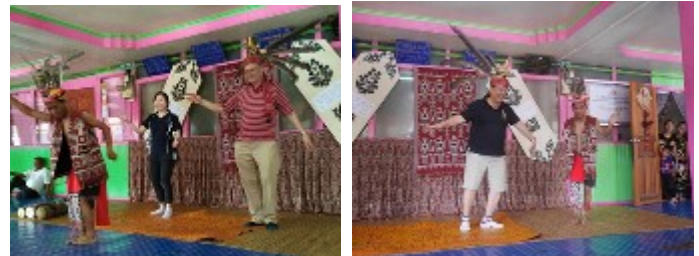


Figure 3: Delegates enjoying their Sarawak's cultural dance experience: Mr. Gary Coates from Canada (left) and Ir. Yam Teong Sian from IEM-HQ (right)

ICMTE 2017 was officiated by YB Datuk Amar Haji Awang Tengah Ali Hassan (Second Minister for Resource Planning and Environment and Minister for Industrial and Entrepreneur Development, Trade and Investment, Sarawak). Also present were YB Datuk Lee Kim Shin (Assistant Minister for Land and Air Transportation and Safety and Assistant Minister for Tourism, Sarawak), YB Datuk Haji Julaihi Haji Narawi (Assistant Minister for Rural Economy – Coastal Areas and Fisheries, Sarawak and Assistant Minister for Industrial Development (Investment & Promotion, Sarawak), YB Datuk

In addition and on behalf of the conference organizing committee, we were honoured to have the pleasant of all the five esteemed keynote speakers from around the world to set the pace and the direction on the theme of this conference, comprised of Mr. Mohd. Azmi Mohd. Noor on the essence of asset integrity management in ageing offshore production facilities, Prof. Rolf Gubner (Prof. of Corrosion and the Deputy Director (Advanced Learning) of Curtin Corrosion Engineering Industry Centre) on the importance of onshore and offshore corrosion management system (CMS), Ir. Pau Kiew Huai (CEO of PETRONAS LNG-Malaysia) on the overall view in managing MLNG facilities and the challenges to Malaysian economics, Mr. Sharbini Suhaili (CEO of Sarawak Energy Berhad) on the advancement and successful transformation of greener and economical Sarawak energy and Mr. Simon Ong (Managing Director of Shell Global Solutions Malaysia) on the continuous global challenges in deepwater exploration and production.

IMM's 1-day Conference On Pipelines Corrosion Management



Reported by: Sharifah Nur Kamilia Syed Zahir-Ruddin, Universiti Teknologi MARA, Shah Alam
Edited by: Dr. Tay Chia Chay, Universiti Teknologi MARA, Shah Alam

Date : 27th September 2017
Venue: Corus Hotel, Kuala Lumpur

IMM's 1-day Conference On Pipelines Corrosion Management was organized on 27th September 2017 at the Corus Hotel, Kuala Lumpur. Thirty students from the Faculty of Applied Sciences, Universiti Teknologi MARA (UiTM) Shah Alam joined this event. The panels of experts from industry presented on pipeline corrosion management topics, especially in oil and gas industry. Professionals have shared their challenges as well as hands-on experiences, thus providing students a glimpse of the real-life working environment in the industry. Students were also exposed to technologies in monitoring and reducing pipeline corrosion. During the conference session, students also visited to the exhibition booths. Exhibitors shared their experience and introduced applied technology to students.

Overall, this event has received positive feedback from the students. Their interest and knowledge in pipeline corrosion are improved and they would be interested to attend similar events in the future. Overall, students from Faculty of Applied Sciences, UiTM Shah Alam would like to express their sincere appreciation to IMM for the opportunity to attend this event.



Figure 1: Group photo of 30 students with their lecturer, Dr. Tay Chia Chay from Faculty of Applied Sciences, UiTM Shah Alam.



Figure 2: Students listening to information given by the Cosasco exhibitors.



Figure 4: YB Datuk Amar Haji Awang Tengah Ali Hassan hitting the gong to officiate the International Conference on Materials Technology and Energy (ICMTE) 2017 at Curtin University Malaysia

From the participants' feedbacks of this conference, it was evident that this conference had indeed provided them with an effective platform for international networking and exchanging technical ideas, knowledge and information on developments and innovations in the fields of materials engineering, green technology and energy, particularly eco-friendly and long-term sustainable solutions in structures, materials and manufacturing and the environment, energy and resources. ICMTE 2017 also served to create linkages and cooperation between academia and industry and innovative solutions for the materials technology and energy industries from all sectors. In developing countries such as Malaysia, the materials technology and energy sectors play an important role in national development and the dissemination of cutting-edge technology and research is important towards creating national development and improvements.

The parallel oral presentations covered various key research areas of materials technology and energy such as materials engineering, welding technology, asset integrity management, corrosion engineering, drilling and production, inspection techniques, shipbuilding, applications in oil and gas, oleochemical, petrochemical, renewable energy, wastewater treatment, produced water treatment, cleaner production technology, petroleum geology, hydro and solar power generations. All accepted full papers in this conference will be published in IOP Conference Series: Materials Science and Engineering.

The three-day conference ended with a one-day trip to Niah National Park, offering jungle walk, Iban longhouse tour and cave experiences. Niah National Park provides some interesting and impressive sights. The area was a major settlement as early as 40,000 years ago and features one of the world's largest cave entrances, Palaeolithic and Neolithic burial sites and iron-age cave paintings.

