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**Report on IEM – ICE Joint Conference on “Future Engineers 2017 Malaysia - Inspiring the Workforce of Tomorrow” and Dinner with President of ICE**

**By Ir. Dr. Ooi Teik Aun, Hon. FIEM, FICE**

On 14<sup>th</sup> January 2011 ICE held its first ICE Asia Pacific conference on Infrastructure Development in the Tropical Environment at P J Hilton hotel. The event was managed by IEM Training Centre Sdn Bhd. The event was a great success and attracted more than 200 participants. This conference has given ICE the confidence to suggest hosting a joint conference with IEM in 2017.

On 26<sup>th</sup> October 2017, two events were held namely, the ICE-IEM Joint Conference on “Future Engineers - Inspiring the Workforce of Tomorrow” and ICE Presidential lecture-cum-dinner. This time IEM Academy Sdn Bhd is the Manager for both the events. Both events were successfully carried out with 220 participants for the Conference and 460 participants for the Dinner. The events were strongly supported by the construction industry and the ICE Student Chapters from five universities based in Kuala Lumpur.

The conference provided a comprehensive look at the skills, technologies, projects and organisations that will shape the global engineering Profession and workforce of tomorrow and will guide and inspire our fledgling workforce, connecting a diverse group of talent with the career possibilities and opportunities they need to become industry leaders. The partnership between ICE and IEM will offer guidance, support and industry foresight to help budding engineers build their careers. ICE and IEM have an Agreement of Cooperation (AOC) since 2000. ICE is a global Engineering Benchmark for Civil Engineers and IEM is a leading regional Multi-Engineering Institution providing secretariat services to numerous Regional Engineering Organisations. ICE has Country Representative for Malaysia since 1960s and current

Country Representative is Ir. Dr. Tan Yean Guan. It has five (5) ICE Student Chapters located at five Universities namely UNITEN, UNMC, UTAR, UM and UCSI University.

This conference is the first of its kind in which ICE and IEM have join forces to set the new directions for future engineers in dealing with the digital world. The conference has eight prominent speakers and they are ICE President, Professor Tim Broyd; Mark Enzer, Mott MacDonald's Chief Technical Officer representing the UK's major infrastructure client organisations; Simon Vaux, Director Digital Engineering with Transport for NSW, Er. Poh Seng Tiok, Director, Planning and Design, for Mass Rapid Transit Corporation (MRTC) in Malaysia, implementing the MRT projects in Kuala Lumpur; Ir. Dr Tan Chee Fai, Practicing Mechanical and Manufacturing Consultant, Brian Higgins JP, Business Development Manager EMEA UK; Dr. Khor Cheng Seong, Associate Professor at Xiamen University Malaysia specialized in mathematical modeling and analytics and optimization and Ir. Dr. Leong Wai Yie, CEO of Smart Brain Sdn. Bhd. specializes in big data analysis, medical signal processing and telecommunications.

The conference covered ICE-Led Project 13; The Future of Industry: Developing a Strategy for Smart Infrastructure Transformation; Transport for NSW Digital Engineering Strategy; Advances in Engineering Technology and Application in KVMRT Line 2; Emerging Technology and The Need for "Forever Learning"; Security Skills and the Need to Build Resilience to Cyber Threats; Incorporating the Systems Approach in Engineering Education Using Modelling and Simulation and Developing the Pie for Industry 4.0.

In conjunction with the Conference a Dinner was held in honour of the ICE President, Prof. Tim Broyd. IEM President Ir. Dr. Tan Yean Chin officiated the opening of the Conference and delivered a welcome address. Professor Broyd also conferred the ICE Fellow (FICE) to Ir. Dr Tan Yean Chin for his contributions and achievements in Civil Engineering.

At the Dinner with the ICE President, Prof. Tim Broyd delivered his Presidential Lecture and also conferred ICE Fellow (FICE) on Dato' Sani Abdullah, Er. Poh Seng Tiok and two others. He also presented Mementos and Certificates of Appreciation to the Main Sponsors, Past ICE Country Representatives for Malaysia, Ir. Dr. Ting Wen Hui and Ir. Dr. Ooi Teik Aun and UTAR President Dato' Prof. Ir. Chuah Hean Teik, UNITEN Vice Chancellor Dato' Prof. Ir. Dr. Kamal Nasharuddin and Advisors of the ICE Student Chapters. Group photographs were taken of the recipients and the Student Chapters. Both the conference and dinner were very successful!

## ICE-IEM Joint Conference on Future Engineers - Inspiring the Work Force of Tomorrow



At the VIP Room President ICE and IEM President with VIP Guests



IEM President Ir. Dr. Tan Yean Chin Delivering his Welcoming Speech





View of the Conference Participants



President ICE Delivering his Keynote Lecture - ICE-Led Project 13





ICE President Prof. Tim Broyd Presenting FICE Certificate to IEM President Ir. Dr. Tan Yean Chin



Mr. Mark Enzer Presenting his Lecture on The Future of Industry.



Group Photo with the President of ICE and President of IEM



Simon Vaux Delivering his Lecture





Er. Poh Seng Tiok Presenting his Lecture



Ir. Dr. Tan Chee Fi Delivering his Lecture



Mr. Brian Higgins Delivering his Lecture



Dr. Cheng Seong Khor, Associate Professor at Xiamen University Delivering His Lecture





Ir. Dr. Leong Wai Yie Delivering her Lecture

### Dinner with ICE President Prof. Tim Broyd



### Presenting a Bouquet of Flower to Mrs. Tim Broyd

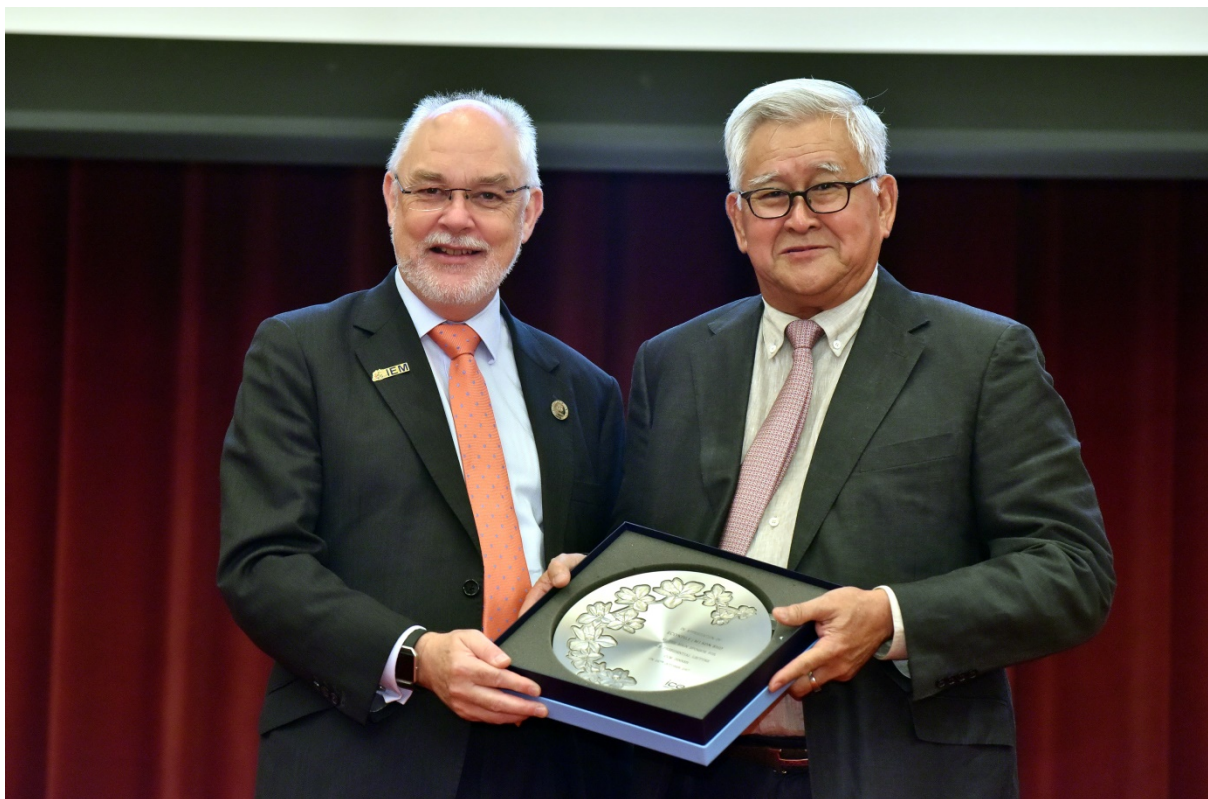


### Ir. Dr. Ooi Teik Aun Delivering his welcome Address





Prof. Tim Broyd Delivering his Presidential Address



ICE President Presenting a Memento and Certificate of Appreciation to the Main Sponsor





Group Photo of Key Sponsors with ICE President and ICE Country Representative for Malaysia



Group Photo of Recipients of Long Service to ICE Award



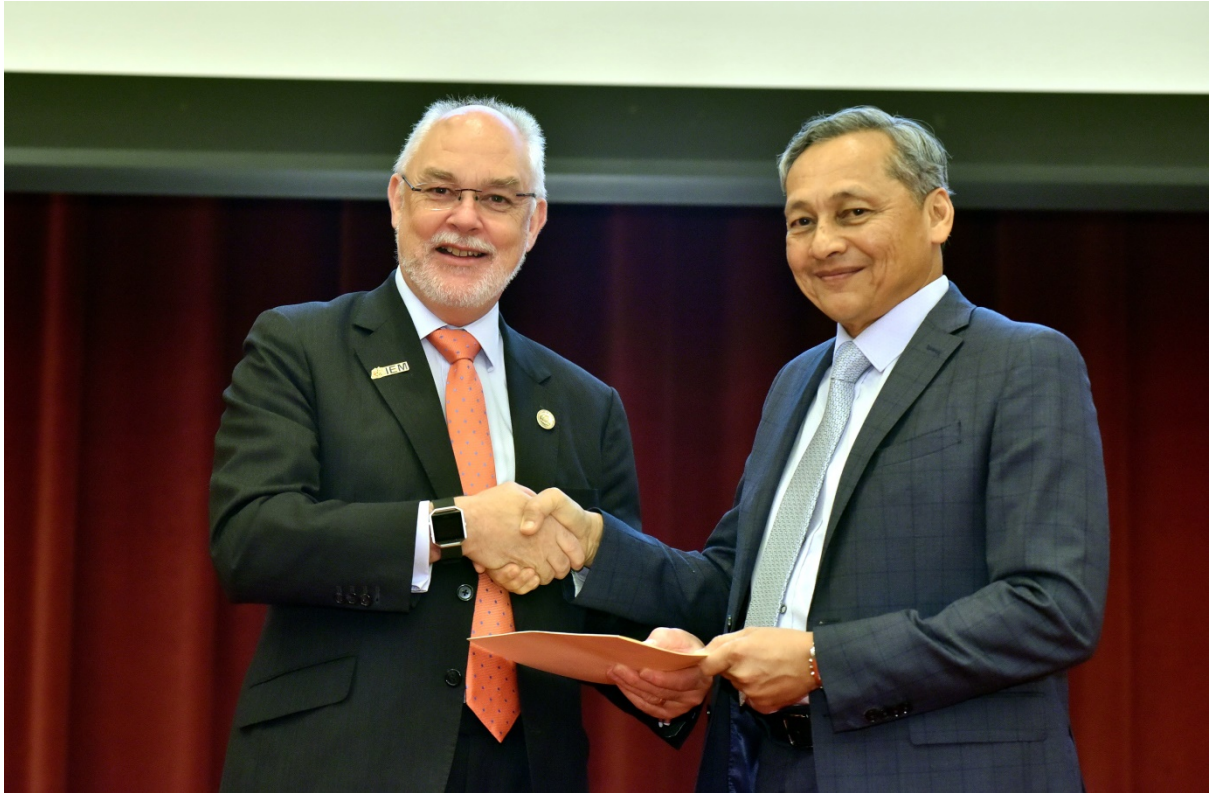


Dato' Prof. Ir. Dr. Kamal Nasharuddin Receiving the Certificate of Appreciation from ICE President



Group Photo of Recipients of Certificate of Appreciation from ICE President





Dato' Ir. Sani Abdullah Receiving his FICE Certificate from ICE President



Group Photo of Recipients of FICE with ICE President and Country Representative for Malaysia





Universiti Tenaga Nasional (UNITEN) ICE STUDENT CHAPTER



University Tunku Abdul Rahman (UTAR) ICE STUDENT CHAPTER





University Malaya (UM) ICE STUDENT CHAPTER



University Nottingham Malaysia Campus (UNMC) ICE STUDENT CHAPTER