Outstanding Individuals Recognized for Contributions to Country

Six distinguished individuals who have made outstanding and lasting contributions to the nation and the people of Malaysia were recipients of the prestigious 2017 Merdeka Awards on 11th September 2017.

All six recipients were selected from five categories, namely Education and Community; Environment; Health, Science and Technology; Outstanding Scholastic Achievement and Outstanding Contribution to the People of Malaysia.

The awards were presented by the Sultan of Perak, Sultan Nazrin Shah while also present at the ceremony was Raja Permaisuri Perak, Tuanku Zara Salim.

It is worthwhile to note that our IMechE Fellow Member, Professor Dr Masjuki Hassan from University of Malaya has received the award for the Outstanding Scholastic Achievement category, for his scholarly research in engineering and energy science, as well as for his instrumental role in the research and development of biofuel and other sources of efficient energy and automotive engines.

Congratulations to Prof. Masjuki!

PAST EVENTS

1.0 Roadshows and Networkings

A few networking sessions was held in the past months as below:

1.1 Networking in Klang Valley

This was held on 21st August 2017 in Kelab Golf Negara Subang, Selangor. There was a great turn up and a good sharing session among members.

1.2 Roadshow and Networking in Penang

A roadshow and networking session was held in Vistana Hotel, Penang on 29th September 2017. We had the opportunity to get close to our fellow members in Northern part of Malaysia.

During the networking session, two short talks have been delivered by IMechE Malaysia Branch.

Mr. Zen Teng, the South East Asia Business Development Manager for IMechE delivered a presentation on IMechE professional registration.

The event followed by a presentation by Prof. Dr. Ir. Vinesh Thiruchelvam, the IMechE Malaysia Branch Committee Member on "Societal Grand Challenges in The 21st Century: The Future Shifts of Green Technology Using Big Data". Prof. Vinesh has explained on the elements of Internet of Things (IoT) and Big Data towards the application of technology in engineering.
1.3 Roadshow and Networking in Johor
A roadshow talk was held on 27th October 2017 in University of Southampton Malaysia Campus (USMC), Johor. The talk was presented by Prof. Dr. Ir. Vinesh Thiruchelvam, the IMechE Malaysia Branch Committee Member.

As an opportunity to get close to our fellow members in Southern area of Malaysia, a networking session was then held in Hotel Granada, Johor Bahru.

2.0 Public Speaking Workshops
On 20th and 24th September 2017, IMechE Malaysia Branch Young Member Section (YMS) organized Public Speaking Workshops, “Engineer Your Presentation” in INTI International University, Nilai and University Teknologi Malaysia, Kuala Lumpur respectively. The events were organized in collaboration with Breezi Speaking.

The trainer was Mr. Alireza Parpaei, the ex-President of University of Nottingham IMechE Student Chapter 2014/15. He has had a Professional Speaker experience of over 100 events as host and keynote speaker. Over the years, he has trained over 300 trainees and mentored many individuals in Malaysia and the United Kingdom. The workshops were well attended by over 20 participants for each session from various student chapters, namely INTI, UNITEN, UiTM, UTM and UCSI.
3.0 One Day Seminar on High Speed Railway

The need to educate ourselves on the expansive field of Rail Engineering became very apparent with the evolution that the High Speed Railway (HSR) project aims to bring into land transportation. In line with this need, IMechE Malaysia Branch, in collaboration with The Institution of Engineers, Malaysia (IEM) Engineering Education Technical Division (E2TD) and Engineers Australia Malaysia Chapter (EAMC), organized a one day seminar entitled “High Speed Railway – Educate Ourselves on Rail Engineering”. It was held on the 5th October 2017 at Wisma IEM with an attendance of 88 participants of varying backgrounds, but with just one common objective, which was to attain insights into rail engineering and its common practices. The talk series was chaired by Prof. Dr. Ir. Vinesh Thiruchelvam.

The first two speakers, Ms. Winnie Wong and Mr. Stephane Mortier represented the MyHSR Corp. Sdn Bhd. They were very detailed in introducing the project background, the structure of the project, the chronology of events that led to the bilateral agreement signed in 2016 and well as the progress of the project so far. They went on to discussing the project challenges and opportunities as well.

The session continued with a session by Mr. Thomas Baake (E-MAS Sdn. Bhd) and Ir. Dr. Alvin Yap (Asia Pacific University), speaking on the Railway Maintenance System on the KLIA Express (ERL Maintenance). The session by Mr. Baake was very technical and delved into aspects of rail maintenance that would not be known unless one was a rail engineer in the company. Ir. Dr. Alvin spoke about a project intended to harvest wind energy using the induced wind of a moving train, done in line with efforts by the Malaysian government to enhance the capability for innovation in the development of green technology and promote sustainability in business practices, under the National Green Technology Policy. This project was a collaboration between Asia Pacific University (APU) and E-MAS Sdn. Bhd.

The general public may have probably been exposed to knowledge about and may have experienced travelling onboard an MRT system. However in light of the emergence of the highly anticipated HSR between Kuala Lumpur and Singapore, Ir. Leo Mak Sek Man (Director of Systems, MMC-Gamuda), made his session about the similarities and differences of the railway systems between the MRT and a high speed rail. The session covered both systems in terms on their planning, design, technical challenges, infrastructure requirements, testing, commissioning and passenger service operations.

The final session was conducted by Mr, Thomas Dorfner (VP Asia Pacific, Getzner), a technical brief into vibration isolation for railway systems using technologically advanced elastomers. The importance of elasticity in railway superstructures may not have been be immediately apparent to the attendees without rail background but as the various case studies used were discussed in depth, it was clear that without elasticity, it would be impossible to guarantee the safety of a locomotive travelling at any speed, what more at speeds exceeding 350km/hr.

Prof. Vinesh presents tokens of appreciation to Ms. Winnie Wong and Mr. Stephane Mortier of MyHSR Corp. Sdn Bhd.
4.0 Technical Workshop / Course
- Held from 26th to 28th September 2017 in Hotel UiTM Shah Alam, a technical workshop, “Weld Fatigue Assessment and Life Extension Technique on Structural High Strength Steel” was supported by IMechE Malaysia Branch. This event was jointly organized by Universiti Teknologi Mara, The Institution of Engineers, Malaysia (IEM) and Montanuniversität Leoben, Austria.

- Course on “Workplace Productivity: How To Get More of It”
These two-day course was jointly organized with The Institution of Engineers, Malaysia (IEM) on 8th and 9th November 2017. The speaker was Ir. Danaraj Chandrasegaran, who is also the IMechE Malaysia Branch committee member.

5.0 South East Asia Region (SEAR) Speak Out For Engineering (SOFE) Competition
The IMechE SEAR Young Members Section (YMS) and The IMechE University of Malaya Student Chapter jointly organized the SEAR SOFE 2017 at Auditorium Block Y, Faculty of Engineering, University of Malaya. The event was held on the 14th October 2017.

Speak Out for Engineering (SOFE) is an engineering public speaking competition organized annually by IMechE to encourage young engineers to showcase their talents in “speaking” mechanical engineering subjects to non-technical audience and the public.

Participants from Malaysia, Singapore and Brunei took to the stage and presented their topics to the judges as well as audience from the floor as below:
- Mr. Philip Christopher Teo Eng Hui and Mr. Jevons Quiambao Penafior represented Brunei.
- Mr. Heng Kun Qiang Amos and Mr. Tan He Jiang represented Singapore.
- Ms. Song Sandy and Mr. Shashitaran Velosamy represented Malaysia.

Among those attended this event were:
- IMechE SEAR Chairman, Ir. Mathew Thomas
- IMechE SEAR YMS Representative, Dr. M. E. Raghunandan
- IMechE SEA Business Development Manager, Mr. Zen Teng
- IMechE Malaysia Chairman, Prof. Dr. Ir. Ong Kok Seng
- IMechE Singapore Hon. Secretary, Mr. Chia Chun Wah
- IMechE Brunei Group Chair, Hj. Salleh Bostaman
- IMechE Malaysia Committee Member, Mr. Chua Yaw Long
- IMechE Malaysia YMS Chairman, Mr. Achugovind Kumar
- Academic Liaison Officer of IMechE University of Malaya Student Chapter, Assoc. Prof. Dr. Tan Chou Yong

The esteemed judges for this competition were
- Dr. S. K. L. Walia, Certified HRDC trainer and Professional Public Speaker
- Mr. Hueen O’Daniel Sutherland from Platinum Railway Engineering Services Sdn Bhd Malaysia
- Ms. Angel Lim from Reinsurance Group of America (RGA) Malaysia.
The emcee for the event was Mr. Satheesh Kumar from IMechE Universiti Tenaga Nasional Student Chapter. The competition was also well attended by affiliate members of other student chapters namely Universiti Tenaga Nasional, Taylors University, Nottingham University Malaysia Campus, Inti International University, UCSI and UiTM. Throughout the competition, questions were raised by the judges as well as members from the floor during and Q and A session.

The first prize went to Shashitharan Velosamy from Malaysia for the topic “Road Printing Robots: Future of Road Maintenance”. The first prize winner of the competition received a certificate, cash prize of £300 and an opportunity to represent SEAR in the International SOE competition in 2018.

The second prize was awarded to Jevons Quiambao Penaflor from Brunei for his presentation on “Enhanced Dispersion and Orientation of Carbon Fibre Strands Reinforced Epoxy Composites”. The second prize winner received a certificate and a cash prize of £200.

6.0 YMS Insight 2017

YMS IMechE Insight was successfully organized by host and main organizer, University of Nottingham Malaysia Campus (UNMC) IMechE Student Chapter on 11th November 2017, with support from IMechE Malaysia Branch YMS as the co-organizer. The successful event was a collaborative effort with Universiti Tenaga Nasional (UNITEN) IMechE and Heriot Watt IMechE Student Chapters

YMS IMechE Insight is held yearly for the Affiliate Student Members of the IMechE Malaysia, aiming to provide platform to gather and welcome all the SCs from various institution and university in Malaysia. This year, the event received almost a total of 100 participants from IMechE members from UCSI University, University of Malaya, INTI International University and UNITEN, HWUM and UNMC that worked together to coordinate this special event.

YMS Insight kicked off with series of ice breaking games and challenges to disperse and promote networking among the affiliate members. To further encourage the mingling among the peers, the participants were separated into group at random for the next slot in the YMS IMechE Insight. The events proceeded with various rounds of games and creativity challenges that intrigued the minds of young engineers in the making and to promote healthy competitive spirit.

The YMS Insight 2017 has brought the SCs together and hopes to see more participating SCs in the future. The YMS Insight has reached its objective in creating a platform for the SCs in Malaysia to come together and create memories in result formed strong bond and understanding which collectively flagged under the IMechE Malaysia Branch YMS.
7.0 Annual Dinner
The IMechE Malaysia Branch Annual Dinner was held on 4th December 2017 in Royal Lake Club, Kuala Lumpur. The dinner was well attended by our members.

Achugovind presents the Best Student Chapter Award to UNITEN Student Chapter.

The Best Student Chapter Award was also presented during the dinner. Being very active student chapter with very well presented report, **Universiti Tenaga Nasional (UNITEN) Student Chapter** has emerged as the winner. The IMechE Malaysia YMS Chairman, **Mr. Achugovind Kumar** was invited to present the award.

**CONGRATULATIONS TO**
**UNIVERSITI TENAGA NASIONAL (UNITEN) STUDENT CHAPTER**
on winning the
**IMechE Malaysia Best Student Chapter Award 2017**

SPECIAL ANNOUNCEMENT

Annual General Meeting

Venue: Kelab Golf Negara Subang
Date: March 2018

More details will be sent out.

Contact Us

Ir. Mathew Thomas  
(Branch Immediate Past Chairman)  
(T): +6012-2184140  
(E): mathew49@gmail.com

Ir. C.C. Chow  
(T): +6012-6022310  
(E): chow@equip-inc.com

Improving the world through engineering