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MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2018
Malaysia Branch

News

IR. MATHEW THOMAS RELINQUISHED THE ROLE OF SOUTH EAST ASIA REGION (SEAR) CHAIRMAN

Due to a personal matter, Ir. Mathew Thomas has announced his resignation as the IMechE SEAR Chairman in December 2018.

Ir. Mathew Thomas was also the Past IMechE Malaysia Chairman, who has contributed vastly in developing and supporting the IMechE SEAR and the local branch. He has helped to make tremendous growth of membership during his tenure. Ir. Mathew was the winner of the International Strategy Board (ISB) Volunteer Service Award in Year 2016.

Ir. Mathew Thomas

Ir. Mathew would still remain as the Committee Member of IMechE Malaysia Branch.

The IMechE Malaysia Branch Chairman, Prof. Ir. Dr. Vinesh Thiruchelvam has been appointed as the Interim SEAR Chairman until May 2019.

Dear Fellow Members,

Happy New Year to you and your families. We wish that Year 2019 will be a great year to you.

This is the last issue of the IMechE Malaysia Branch Newsletter for 2018.

Our Annual General Meeting will be held in March 2019 at Royal Lake Club, Kuala Lumpur. We are looking forward to seeing you there. We also hope to see active participation from our fellow members in our upcoming events too.

Ir. C.C. Chow

PROF. ONG KOK SENG WON THE INTERNATIONAL STRATEGY BOARD (ISB) VOLUNTEER SERVICE AWARD

Our Immediate Past Chairman, Prof. Dr. Ir. Ong Kok Seng has been announced as the winner of the International Strategy Board (ISB) Volunteer Service Award 2018. Congratulations to Prof. Ong!

Prof. Ong graduated from Imperial College of Science & Technology, London with BSc & ACGI in 1965 and subsequently completed his MSc and DIC (1966) and PhD (1970). He returned to Malaysia and joined the Mechanical Engineering Department of the Faculty of Engineering, Universiti Malaya as a lecturer. He was then promoted to Associate Professor in 1981 and Professor in 1998, and held the post of Deputy Dean before retirement in 1998.

After formal retirement, Prof. Ong joined various private institutions of higher learning and is currently a Professor in the Industrial Engineering Department at Universiti Tunku Abdul Rahman, Kampar Campus, Perak, Malaysia. His current research interests are in Solar Energy, Heat Reclalm, Heat Pumps, Heat Pipes, Energy Conservation, Thermolectric and Photovoltaic Cooling. He has authored over 190 research papers in Journals, Conferences, Book Chapters and Books.

Prof Ong has served IMechE for 56 years to date. He has been a member of IMechE since his student days in Imperial College from 1964 and he is currently one of the longest active members of IMechE in Malaysia. Prof. Ong is a FIMechE, UK, (1991), CEng UK, a Fellow of the Institution of Engineers, Malaysia (1990) and a Registered Professional Engineer with the Board of Engineers, Malaysia (1974).
Prof. Ong was one of the founding members of IMechE Malaysia Branch in 1997. He was Protem Chairman for three consecutive terms (1997/98, 1998/99, 1999/2000) during which time he provided valuable leadership and guidance towards the formation of the Malaysia Branch in 2000 by obtaining the approval of the Registrar of Societies, Malaysia. At the first Annual General Meeting in 2001, Prof. Ong was elected as the inaugural Chairman for the term 2001/02 and re-elected for 2002/03. He has also served as Chairman for three further terms (2009/10, 2016/17, 2017/18). He has extensive experience and insight in Institution matters and has contributed his leadership skills to the Malaysia Branch and continues to provide invaluable guidance in the affairs of the Branch to various Malaysia Branch Committees till to date where he is immediate Past Chairman.

Prof. Ong was also a founding member of the Malaysian Chapter of ASHRAE and held various posts such as President, Vice President, Treasurer and Secretary from 1987 – 1991. He was the Honorary Engineering Consultant to the Malaysian Red Crescent Society and UNHCR from 1985 – 1991. He was awarded the Malaysian Red Crescent Society Meritorious Service Medal in 1990.

IMechE Malaysia Students Awards

Below are the students who have won the IMechE Students Awards 2018 in Malaysia. Congratulations to the winners!

**Frederic Barnes Waldron 'Best Student' Award**
- Herbert Goh Wooi Keat (Curtin University, Malaysia)
- Chong Soon Hee (Heriot-Watt University, Malaysia)
- Kee Jian Fa (INTI International University)
- Cheong May Xin (University of Nottingham Malaysia Campus)
- Gan Yi Zhe (Universiti Tenaga Nasional)
- Lim Ching Hock (Universiti Sains Malaysia)

**IMechE Project Award**
- Herbert Goh Wooi Keat (Curtin University, Malaysia)
- Derek Lee Zheng Ki (Heriot-Watt University, Malaysia)
- See Junn Wayne (University of Nottingham Malaysia Campus)
- Shashitharan Velosamy (Universiti Tenaga Nasional)
- Boey Keen Huang (Universiti Sains Malaysia)

**Best Student Certificate**
- Chia Chun Thim (INTI International University)
- Teo Lee Hong (University of Nottingham Malaysia Campus)
- Lim Dao Kun (University of Nottingham Malaysia Campus)
- Nicholas Yeo Ren Sheng (Universiti Tenaga Nasional)
- Yeo Ying Heng (Universiti Sains Malaysia)
Best Project Certificate
- Chan Wah Biao (INTI International University)
- Ang Zu Rong (University of Nottingham Malaysia Campus)
- Siow Yee Chean (University of Nottingham Malaysia Campus)
- Fong Wei Ziet (Universiti Tenaga Nasional)
- Tan Sak Jie (Universiti Sains Malaysia)

Outstanding Achievement Certificate
- Naresh Kumar a/l Uthama Kumaran (INTI International University)

For more information on these awards, contact Mr. Chua Yaw Long (Email: Chuayl@uniten.edu.my)

Past Events

1.0 South East Asia Region (SEAR) Speak Out For Engineering (SOFE) Competition
The IMechE SEAR Young Members Section (YMS) and The IMechE Universiti Tenaga Nasional (UNITEN) Student Chapter jointly organized the SEAR SOFE 2018. The event was held on the 13th October 2018 in UNITEN.

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.

Four participants from Malaysia and Brunei took to the stage and presented their topics to the judges as well as audience from the floor as below:
- Miss Hajah Nur Amirah Adilah binti Haji Mahadi from Brunei, presented on “Design and Fabrication of a Compact Window Type Air Conditioner Installer”.
- Mr. Mohamed Elkhair Arif Mohamed Elkhair Elhag Abdalla from Brunei, presented on “Clean Energy - Petroleum Alternatives”.
- Mr. Muhammad Syafiq bin Nor Azmi from Malaysia, presented on “Why is Biomimicry The Way Forward?”.  
- Mr. Bhoshaga Mittran S/O Ravi Chandran from Malaysia, presented on “Smoking The Life Out of Us”.

The esteemed judges for this competition were
- Dr. S. K. L. Walia, a Certified Trainer with Human Resources Development Council in the Ministry of Human Resources, Malaysia and a Professional Public Speaker.
- Prof. Andrew Walker, the President and Pro Vice-Chancellor of Monash University Malaysia and an anthropologist specializing in the society of culture of Southeast Asia.
- Mr. Ramachandren Subramaniam with vast experience in Power Distribution Systems.

Group photo after the SEAR SOFE competition
Mr. Bhoshaga Mitrran emerged as the winner. He received a certificate, cash prize of £300 and an opportunity to represent SEAR in the International SOFe competition in 2019 which will take place in New Delhi, India.

The second prize was awarded to Mr. Muhammad Syafiq. He received a certificate and a cash prize of £200.

Among those attended this event were:
- Deputy Vice Chancellor of UNITEN, Dato’ Prof. Dr. Mohd. Zamri Bin Yusoff
- IMechE SEAR Chairman, Ir. Mathew Thomas
- IMechE SEAR YMS Representative, Dr. M. E. Raghunandan
- IMechE Malaysia Committee Member, Mr. Chua Yaw Long
- IMechE Malaysia YMS Chairman, Mr. Achugovind Kumar

2.0 Inter-IMechE Student Chapter Debate Tournament
IMechE UNITEN Student Chapter hosted an inaugural Inter-IMechE Student Chapter debate tournament on 8th December 2018. The event took place at the College of Engineering, UNITEN.

Engineers are generally known to be less skillful in articulating and reasoning. The objective of the event was to foster greater persuasive skills among future engineers.

There were four teams participated in the tournament, with two teams from Universiti Malaya, and the rest from UCSI University and UNITEN. Among those debated topics were “Female Equality in Engineering”, “Artificial Intelligence” and “Government Policy in Electric Vehicles”.

Judges with vast knowledge in engineering, agriculture, information technology and debate provided their expertise in judging the competition. The judges were Mr. Manoharan Nalliah, Dr. Siva K Balasundram, Mr. Gajendra Raj and Mr. Chua Yaw Long (IMechE Malaysia Committee Member). The moderator of the debate competition was Mr. Shashitharan Velusamy, with strong experience in debate and oratory competitions.

The representatives from Universiti Malaya (Team 1) won the debate with a prize of MYR500.

3.0 Annual Dinner and The Best Student Chapter
The IMechE Malaysia Branch Annual Dinner was held on 14th December 2018 at Royal Lake Club, Kuala Lumpur. The dinner was well attended by our members.

The Best Student Chapter Award was also presented during the dinner. Being a very active student chapter with very well presented report, Universiti Tenaga Nasional (UNITEN) Student Chapter emerged again as the winner for the 3rd time running. The
IMechE Malaysia Chairman, **Prof. Ir. Dr. Vinesh Thiruchelvam** was invited to present the award.

Other Student Chapters contested for the award were University of Southampton Malaysia, Universiti Malaya, INTI International University and Taylor’s University.

**CONGRATULATIONS TO**

**UNIVERSITI TENAGA NASIONAL (UNITEN) STUDENT CHAPTER**
on winning the

**IMechE Malaysia Best Student Chapter Award 2018**

**4.0 YMS Insight 2018**

IMechE YMS Insight 2018 was successfully organized by the IMechE Malaysia Branch YMS on 20th November 2018.

IMechE YMS Insight is held yearly for the Affiliate Student Members of the IMechE Malaysia, aiming to provide platform to gather and welcome all the Student Chapters from various institutions and universities in Malaysia.

This year, IMechE Malaysia Branch YMS organized a hill hiking to Broga Hill in Semenyih. There were over 20 participants from University of Nottingham Malaysia Campus, Universiti Tenaga Nasional, Tunku Abdul Rahman University College and Asia Pacific University.

**5.0 Technical Talk**

A technical talk has been organized in Universiti Tenaga Nasional on 12th November 2018. **Prof. Ir. Dr. Vinesh Thiruchelvam** has delivered the talk titled “The Future Shift of Green Engineering and Technology using Big Data”
6.0 Jointly Organized Technical Talk
A technical talk was jointly organized with The Institution of Engineers Malaysia (IEM) and Engineers Australia Malaysia Chapter (EAMC) on 15th November 2018. Held in Wisma IEM, the speaker, Ir. Dr. Ling Chen Hoe presented on “Ideas to Innovation”.

7.0 Supported Workshop
Organized by Monash University Malaysia, supported by IMechE Malaysia Branch, a workshop on “Building Nation Towards Clean Energy: Guidelines & Promotion of Solar PV Technologies” was held on 25th October 2018. The speakers were:

- **Mr. Ko Chuan Zhen**, Chief Executive Officer and co-founder of Plus Solar.
- **Mr. Ryan Oh Zi**, Chief Technical Officer and co-founder of Plus Solar.
- **Dr. Sulaiman Shaari**, Associate Professor at Universiti Teknologi Mara.

2.0 Sponsored Conference – 3rd International Symposium on Green and Sustainable Technology (ISGST) 2019
Date: 23rd – 25th April 2019
Venue: Universiti Tunku Abdul Rahman (UTAR) Kampar

IMechE members are entitled for discounted rate. Further information and updates are available in the website: http://www.utar.edu.my/conference.

**SPECIAL ANNOUNCEMENT**
Annual General Meeting

Venue: Royal Lake Club, Kuala Lumpur
Date: 18th March 2019

Do send in your nomination for office bearers for the Year 2019/2020!

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