

MALAYSIA BRANCH QUARTERLY NEWSLETTER

July 2019
Malaysia Branch

Institution of
**MECHANICAL
ENGINEERS**

Dear Fellow Members,

We have just passed half of Year 2019. Our Muslim members have just celebrated Hari Raya Aidilfitri. We wish all of them Selamat Hari Raya!

The Young Members Section (YMS) of IMechE Malaysia and the Universiti Teknologi Petronas (UTP) IMechE Student Chapter have successfully organized the National Speak Out for Engineering (SOFE) competition in June 2019. Thank you for their efforts, and congratulations to the winners.

We hope to see you soon in our upcoming events.

Ir. C.C. Chow

News

SOUTH EAST ASIA REGIONAL ELECTION – ANNOUNCEMENT

The elections for the positions of Chair and Young Member Representative for the Institution's South East Asia Region (SEAR) have now been completed. Our Immediate Past Chairman, **Prof. Ir. Dr. Ts. Vinesh Thiruchelvam** has been elected to the position of SEAR Chair, and our branch committee member, **Mr. Chua Yaw Long** has been elected unopposed to the position of SEAR Young Member Representative. Congratulations to Prof. Vinesh and Mr. Chua.

Prof. Ir. Dr. Ts. Vinesh Thiruchelvam



Prof. Vinesh is a Professional Engineer with over 22 years' experience in engineering education / academia, ICT, operations & maintenance, facility management, design and project management in various industries ranging from building services / property, oil and gas, district cooling plants, co-generation power plants and the port industry. He has managed deliveries of international projects in the Maldives, India, Russia, Iran, The United Arab Emirates, Qatar, Saudi Arabia, Oman, Vietnam, Brunei and Malaysia. He was the principle engineer on Malaysia's first Waste to Energy technology transfer

programme from 2002 to 2004, head of a port's Operation and Maintenance division from 1998 to 2002 where he managed the facility management, operations & maintenance programmes and technical teams.

Having moved to the Middle East in 2005, he focused his specialization mainly in the building services / property / infrastructure sector primarily in designing sustainable and energy efficient buildings, rail and airports. During his Middle East stint, he also lectured in the Masters in Energy and Masters in Sustainable Design programmes and designed curriculums to suit local employment needs at the British University Dubai (BUID) and Heriott Watt University (HWU) Dubai campuses.

Upon returning back home to Malaysia in 2012, he took up the position of Head of Engineering School and in 2014 he was promoted to Dean of the Faculty of Computing, Engineering & Technology (FCET) at Asia Pacific University (APU). In 2019, he was promoted to Deputy Vice Chancellor (Research & Innovation) and Chief Innovation Officer for the APIIT Education Group.

Mr. Chua Yaw Long



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Mr. Chua graduated from Universiti Putra Malaysia in 2000, with a B.Eng (Hons.) in Aerospace Engineering and subsequently completed his MSc in Engineering in Control Systems in the University of Sheffield. He then obtained his CEng. from Engineering Council UK in 2016.

Mr. Chua began his academic career as a Lecturer in Tunku Abdul Rahman College in 2002, and later moved to INTI International University, SEGI University. He is currently lecturing in Universiti Tenaga Nasional (UNITEN) in the Mechanical Engineering Department, College of Engineering.

Since 2012, he has also been a serving member of the Institution of Engineers Malaysia (IEM), under the Engineering Education Technical Division (E2TD). Currently he is appointed to be in charge of Science, Technology, Engineering and Mathematics (STEM) Promotion as the Subcommittee Chairman.

Since 2017, Mr Chua has also been a serving committee member of IMechE Malaysia, while also serving as the Academic Liaison Officer for IMechE Universiti Tenaga Nasional (UNITEN) Student Chapter. Under his leadership, the student chapter has improved by leaps and bounds. The student chapter had won the Best Student Chapter award for 3 years consecutively in 2016, 2017 and 2018. Apart from this, his student chapter have been able to perform extremely well, setting the benchmark high and being the role model for many other student chapters by producing two times SOfE National Runner-ups, one time SOfE National Champion, two times South East Asia Regional SOfE Champions, and recently Runner-up of Global SOfE Finals in New Delhi in 2019. The student chapter had also secured grant in 2018 from IMechE UK to conduct STEM related activity, which is another first of its kind achievement for IMechE Malaysia.

Past Events

1.0 National Speak Out for Engineering Competition

On 29th June 2017, the Young Members Section (YMS) of Institution of Mechanical Engineers (IMechE) Malaysia and IMechE Universiti Teknologi Petronas (UTP) Student Chapter (SC) jointly organised the Speak Out for Engineering (SOfe) Malaysia 2019 in UTP.

SOfe Malaysia is an engineering public speaking competition organized annually by IMechE to encourage engineers and engineering students to showcase their talents in presenting mechanical engineering subjects to non-technical audience and the public. This competition has been conducted at a National Level in Malaysia for the past 12 years and IMechE UTP SC was chosen to be the host of this year's competition.

The shortlisted participants were

- Naim Zafran from UTP
- Sashindran A/L Palaniveloo from Universiti Tenaga Nasional (UniTEN)
- Teoh Hao Yang from University of Southampton Malaysia (UoSM)
- Muhammad Razin Mohd Redzuan from UCSI
- Lau Jun Hao from Universiti Malaya
- Thebanraj A/L Kumara from INTI International University

The judges of the competition comprised

- Dr. Muhannad Fadhil Wong, the Deputy Dean of Faculty of Arts, Computing and Creative Industry, Universiti Pendidikan Sultan Idris (UPSI)
- Dr. Rahmat Iskandar Khairul Shazi, Principal Consultant at Strand Aerospace Malaysia Sdn Bhd
- Mr. Achugovind Kumar, YMS Immediate Past Chairman

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This event was attended by officials from IMechE Malaysia, namely Ir. Eddie Lim, the Chairman of IMechE Malaysia, Mr. Chua Yaw Long, Committee Member of IMechE Malaysia who is also the IMechE SEAR Young Member Representative, and Mr. Teow Hsien Long, IMechE Malaysia YMS Committee Member.

Teoh Hao Yang from UoSM emerged as the Champion for the topic “**Safety in Modern Formula One**”. Besides taking with him the cash prize of £300 and a certificate, Hao Yang also won the opportunity to represent Malaysia for the coming South East Asia Regional SOFE 2019 competition.



National SOFE 2019 Champion, Hao Yang makes his presentation

The second prize was won by **Naim Zafran** from UTP for his presentation on “**Easy Lemang**”. Naim received a certificate and a cash prize of £200.



Naim presents in National SOFE 2019



Judges give their comments on the National SOFE 2019

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2.0 Networkings

A networking session was held on 10th June 2019 at the Royal Lake Club, Kuala Lumpur. We had very encouraging attendance from our Malaysian members.

The networking session enabled us to interact with our fellow members, and to receive feedback or comments from them. We look forward to seeing you in our next networking sessions.

3.0 Evening Talks

A few Evening Talks were jointly organized with The Institution of Engineers Malaysia (IEM) and Engineers Australia Malaysia Chapter (EAMC) as below:

- **"Strategic Management of The Organization"** on 9th April 2019, delivered by Ir. Dr. Ling Chen Hoe.
- **"Optical Sensing in Power Transformer Monitoring"** on 11th April 2019, presented by Dr. Ker Pin Jern.
- **"Hacking Technology Using TRIZ Innovation"** on 12th April 2019, presented by Dr. Zulhasni Abdul Rahim.
- **"Analysis on Accidents Occurrence in Railway Construction"** on 23rd April 2019 with Assoc. Prof. Ir. Dr. B.T. Hang Tuah Baharudin as the speaker.
- **"Engineers Role Towards Green Technology And Carbon Foot Print"** held on 29th April 2019 and delivered by Mr. Ismail bin Abdullah.
- **"Culture And Its Implications in Business Today"** on 30th April 2019. The speaker was Ir. Dr. Ling Chen Hoe.
- **"The Fourth Industrial Revolution And Its Implications in Business"** on 17th June 2019, presented by Ir. Dr. Ling Chen Hoe.

- **"Cradle to Cradle: Spent Copper Slag, Hazardous Waste to Construction Material"** on 18th June 2019, delivered by Ir. Dr. Salmaliza Salleh.
- **"Sustaining The Sustainability: Smart City Solution"** held on 20th June 2019, presented Dr. Tan Ching Seong.

4.0 Trainings for IMechE Professional Review Interviewers

A few training sessions were held in IMechE Malaysia office in June 2019. The objective of these sessions was to train interviewers for IMechE Professional Review Interview (PRI). The trainings would help to facilitate future PRI in Malaysia.



Mr. Zen Teng

The training was conducted by Mr. Zen Teng, the South East Asia Business Development Manager of IMechE.

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Coming Events

1.0 Supported Symposium – Asia Turbomachinery & Pump Industry Summit

Date: 10th and 11th July 2019

Venue: Kuala Lumpur Convention Centre
Malaysia

It is free of charge to attend, upon presentation of a business card.

Further information and updates are available in the website: <https://turbolab.tamu.edu/industrysummit/>

2.0 Talk jointly organized with The Institution of Engineers Malaysia (IEM):

Talk on “Sustainable Recycling for Future Automotive Structures”

Date: 24th July 2019

Time: 5:30pm - 7:30pm

Venue: Wisma IEM, Petaling Jaya

Speaker: Assoc. Prof. Dr. Mohd Khir Mohd Nor

3.0 South East Asia Regional Speak Out for Engineering (SEAR SOfe) Competition

Date: 12th October 2019

Venue: Asia Pacific University (APU)

Do come and support!

SPECIAL ANNOUNCEMENT

IMechE Malaysia Leadership Conference 2019

Date: 17th August 2019

Time: 8:00am - 5:30pm

Venue: JC 1, Sunway University

Prime Keynote Speaker: Tan Sri Dato' Seri Dr Jeffrey Cheah

Founder and Chairman, Sunway Group
Founding Trustee, Jeffrey Cheah Foundation.

The IMechE Leadership Conference 2019 is a one-day conference which focuses solely on three pillars; Leadership and Strategy, Communication and Networking. Our goal is to invite top influential speakers to deliver and share their experiences and latest development in the corporate world to inspire undergraduates, scholars, engineers and working professionals. Leadership and Strategy is cultivated by keynote speeches from the prominent speakers in a segment designed to share their working experience, the proven ways in strategizing and tips on leading a business or corporate.

Contact Us

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