

# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**

Dear Fellow Members,

This is the last issue of the IMechE Malaysia Branch Newsletter for 2019.

Happy New Year to you and your families. We wish that Year 2020 will be a great year to you.

Our **Annual General Meeting** will be held in **March 2020** 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**

## IMechE Malaysia Students Awards

Below are the students who have won the IMechE Students Awards 2019 in Malaysia. Congratulations to the winners!

### Frederic Barnes Waldron 'Best Student' Award

- Ho Kah Yoong (INTI International University)
- Teo Lee Hong (University of Nottingham Malaysia Campus)

### IMechE Project Award

- Tan Hui Sean (INTI International University)
- Heng Yen Fern (University of Nottingham Malaysia Campus)

### Best Student Certificate

- Michael Tan Zhen Yang (INTI International University)
- Nurul Ferliena Binti Musa (Universiti Teknologi Petronas)
- Choo Kok Shong (University of Nottingham Malaysia Campus)

### Best Project Certificate

- Quek Jing (INTI International University)
- Kabilashen Readdyi A/L Munusamy (Universiti Teknologi Petronas)
- Kuan Meng Xian (University of Nottingham Malaysia Campus)
- Gobil Ahmad (University of Nottingham Malaysia Campus)

## IMechE Malaysia Young Member Award and Best Academic Liaison Officer (ALO) Award

IMechE Malaysia was proud to introduce its inaugural Young Member Award and Best Student Chapter ALO Award for Year 2018/2019.

These awards were created as recognitions to the Young Member and ALO in Malaysia Branch who have contributed significantly in the promotion and encouragement of career advancement in Engineering in younger generation apart from promoting IMechE at large. Each winner received cash prize of RM500 and a certificate of achievement.

### Young Member Award Winner – Dr. Norazlianie Binti Sazali



Dr. Norazlianie is currently a senior lecturer of Universiti Malaysia Pahang in the Mechanical Engineering department. Throughout 2018/2019, she had received multiple Certificates of Excellence through teaching evaluation. She also participated in many research and consultancy projects where some outcomes of the projects were successfully patented.

Dr. Norazlianie also participated in several competitions to introduce her Green Technology projects to the community and had been awarded.

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

# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**

## Best Student Chapter ALO Award Winner – Dr Jundika Candra Kurnia



Prior to Dr Jundika's appointment as the ALO, the IMechE Universiti Teknologi Petronas (UTP) SC was a dormant club that only saw bursts of ideas but with no execution. With Dr Jundika's appointment, reformative actions and plans were made in transforming the IMechE UTP SC. The ultimate goal is to be

one of the most active clubs in UTP as well as one of the role models of IMechE SC's in Malaysia.

Under his leadership, a new board of committee was elected and they were eager to work alongside with him. With Dr Jundika's flow of ideas as well as the board's proficiency in execution, the SC bloomed and flourished within the span of a year. Dr Jundika's undivided support for the SC and its committees were well reflected with the activities conducted by the SC. The IMechE UTP SC was nominated for the UTP Student Excellence Appreciation Awards in the Outstanding Student Club/Society category for the first time in the student chapter's history.

## Past Events

### 1.0 South East Asia Region (SEAR) Speak Out for Engineering (SOFe) Competition

The SEAR SOFe event 2019 was held in Asia Pacific University of Technology & Innovation (APU) on the 12<sup>th</sup> October 2019.

The event was led by SEA Regional Young Members Representative Mr. Chua Yaw Long and the SEAR Chair, Prof Dr Ir Ts Vinesh Thiruchelvam, with the active support from the IMechE Malaysia Branch and APU's IMechE Student Chapter.

The event was managed by APU's IMechE Student Chapter committee members, with the assistance of their Academic Liaisons Officer (ALO), Dr Arun Seeralan Balakrishnan and Dr Yvette Shaan-Li Susiapan, who also served as the emcee of the event. Three judges from different industrial backgrounds were invited to assess the participant's communications skills on effectively conveying technical topics of engineering to someone of non-technical background. The judges were Ms Audrey L Fernando, Mr Brian Cracknell and Dr Rahmat Shazi.

The SEAR SOFe 2019 had six participants from the region:

- Christie Tan Shi Min from Singapore, presented on **"Solar City"** where she talked about using solar energy to power up homes in Singapore and how it is economically better.
- Teoh Hao Yang from Malaysia talked about **"Safety in Modern Formula One Competitions"**. He spoke about how safety in Formula One has changed over the years and how it has affected the event, the lives of races and the public as well.
- Aaron Lim Wen Cong from Singapore, talked about the **"Physics of Music"** and how it can affect human emotions. He also carried out a demonstration live, with some props that he brought with him.
- Aidan Koh Yong Meng from Brunei talked about **"Forest Fires"**, and how it has affected the lives of people around the world. He also recommended a solution utilizing mobile devices and heat sensors, as well as water sprinkler systems to help combat the problem.
- Naim Zafran from Malaysia gave a speech on **"The Modern Airline"** and how flight has changed over the years and has affected the way people have travelled around the world.
- Mr. Tang Dun Hao from Brunei gave a speech on **"Green Future"**. He spoke about a conceptual software idea which aims for a greener innovative environment.

# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**

The 2019 SEAR SOfE champion was declared as Aaron Lim Wen Cong with his title "Physics of Music". The first runner up was also from Singapore - Christie Tan Shi Min, with her topic Solar City.

As the winner in this years' SEAR SOfE event, Mr Aaron will be competing in the upcoming international SOFE competition, representing Southeast Asia Region in 2020.



Group photo after the SEAR SOfE competition

and high school students in Malaysia to showcase their creativity and talent in robotics.

The objectives of the competition were:

- To provide opportunities for students from public, national and international schools to participate in a robotics competition.
- To promote robotics and STEM education
- To motivate and encourage students from age 5-19 years old to learn and demonstrate their skills and talents in robotics education.
- To cultivate young talents in robotics and stem education
- To prepare younger generations towards industrial revolution now and future
- As a general platform for students from all walks of life to participate in national robotics competition.
- An annual event that gather talents in robotics education and celebrate the achievement and participations of the students particularly.



Winners of the competition

## 2.0 World of Robotics National Championship, Malaysia

World of Robotics specializes in robotics and STEM education for students age 5-19 years old in collaboration with Ministry of Education Malaysia and Asia Pacific University's School of Engineering, a reputable well-established higher education institution in Malaysia. The event ran over three days in November 2019.

The APU IMechE student chapter and WRC event served as a platform for all the pre-school, elementary

This robotic competition differs from other robotics competition in several ways:

- Firstly, it is a competition that provided opportunities for all pre-school and elementary students because the materials for the competition were prepared by the organisers and the IMechE student members; the schools are not



# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**

require to purchase expensive robotics tools for the participation.

- Secondly, the students were given classes in robotics engineering with the competition as a platform for them to demonstrate and apply what they had learnt.



Map layout

The playing field for the competition was only revealed on the day of the competition and not beforehand. This was to ensure a fair competition for all participants. The participants were not allowed to pre-program or pre-build their robots. Everything was to be done on the spot at APU. By doing so we can really see how well the student able to apply their skills in solving the mission and task of the competition by themselves.

The conducive environment of the host APU enabled the students to perform at their best. The World of Robotics National Championship had received good responses from schools, parents and students. During the event, 154 schools participated - the highest number ever. The robotic competition was successfully organised by IMechE student chapter members of APU which were led by Prof Dr Ir Ts Vinesh Thiruchelvam, the Deputy Vice Chancellor and the chapter's Academic Liaison Officer (ALO), Dr Arun Seeralan.



Kids game

### 3.0 Annual Dinner

The IMechE Malaysia Branch Annual Dinner was held on 9<sup>th</sup> December 2019 at Royal Lake Club, Kuala Lumpur.

The dinner was also attended by representatives from The Institution of Chemical Engineers (ICHEME) Malaysia Branch, The Institution of Engineering and Technology (IET) Malaysia Network and The Institution of Engineers Malaysia (IEM).



IMechE Malaysia Branch Chairman, Ir. Eddie with guests

# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**

The IMechE Malaysia Young Member Award and Best Student Chapter ALO Award were presented during the dinner, by the Branch Chairman, **Ir. Eddie Lim**.



Ir. Eddie Lim presents the Young Member Award to Dr. Norazlianie



Ir. Eddie Lim presents the Best SC ALO Award to Dr Jundika of UTP (represented by Mr. Adam Reduan Chin)

Certificates of appreciation were presented to all attended Student Chapters ALO's by the South East Asia Regional Young Members Representative, **Mr. Chua Yaw Long**.



Mr. Chua presents certificate of appreciation to INTI International University SC ALO, Dr. Seyed Amirmostafa Jourabchi.



Mr. Chua presents certificate of appreciation to Asia Pacific University of Technology & Innovation SC ALO, Dr. Arun Seeralan Balakrishnan.

# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**



Mr. Chua presents certificate of appreciation to Monash University Malaysia Campus SC ALO, Assoc. Prof. Tan Boon Thong

The Best Student Chapter Award was also presented during the dinner. **Universiti Tenaga Nasional (UNITEN) Student Chapter** emerged again as the winner, being a very active student chapter and with a very well written report. The IMechE Malaysia Chairman, **Ir. Eddie Lim** was invited to present the award.

Other Student Chapters contested for the award were Curtin University Malaysia, Universiti Teknologi Petronas, University of Southampton Malaysia and Universiti Teknologi MARA.



Ir. Eddie Lim presents the Best Student Chapter Award to UNITEN Student Chapter

## CONGRATULATIONS TO **UNIVERSITI TENAGA NASIONAL (UNITEN) STUDENT CHAPTER** on winning the **IMechE Malaysia Best Student Chapter Award 2019**

### 4.0 Membership Application Workshop

A Membership Application Workshop was held on 26<sup>th</sup> October 2019 from 9.00am to 12.00pm in Menara UOA Bangsar.

Many engineers have expressed their wishes to become Professionally Registered Engineers and Members of the IMechE. This 3 hour course has been designed to help the applicants through each of the UK-SPEC competence statements and application paperwork, preparing them for the submission of application form and Professional Review Interview.

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

### 5.0 Technical Talk

A technical talk has been organized in University of Southampton Malaysia on 15<sup>th</sup> November 2019. The South East Asia Regional Young Members Representative, **Mr. Chua Yaw Long** has delivered the talk titled "**Creativity in Engineering**"

### 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 29<sup>th</sup> October 2019. Held in Wisma IEM, the speaker, **Prof. Amanda Ellis** presented on "**Repurposing of Crop-Waste**".



# MALAYSIA BRANCH QUARTERLY NEWSLETTER

December 2019  
Malaysia Branch

Institution of  
**MECHANICAL  
ENGINEERS**

## 7.0 Networking

Networking session provides an opportunity to the members to interactive among each other. It also enables IMechE Malaysia to seek members' feedback or comments.

On 15<sup>th</sup> November 2019, a networking session was held in Ramada Meridin Johor Bahru where the Branch Committee Members were able to meet up with some of the Southern Malaysia members.

## Coming Events

### 1.0 Talks jointly organized with The Institution of Engineers Malaysia (IEM):

#### Talk on "Building Information Modelling (BIM): Are You Keeping Up with The Trend?"

Date: 6<sup>th</sup> January 2020  
Time: 5:30pm - 7:30pm  
Venue: Wisma IEM, Petaling Jaya  
Speaker: Ir. Dr. Salmaliza Salleh

**BEM Approved CPD: 2**

### 2.0 Talks jointly organized with Tunku Abdul Rahman University College (TAR UC):

#### Talk on "Photonics Research in Energy"

Date: 8<sup>th</sup> January 2020  
Time: 5:30pm - 7:30pm  
Venue: DKE, TAR UC, Setapak, Kuala Lumpur  
Speaker: Dr. Ker Pin Jern

**BEM Approved CPD: 2**

## SPECIAL ANNOUNCEMENT

### Annual General Meeting

Venue: Royal Lake Club, Kuala Lumpur  
Date: 16<sup>th</sup> March 2020

**BEM Approved CPD: pending**

**Do send in your nomination for office bearers for the Year 2020/2021!**

#### Contact:

**Dr. Lau Ee Von (Hon. Secretary)**

Email: [MalaysiaSec@imechenetwork.org](mailto:MalaysiaSec@imechenetwork.org)

## Contact Us

**Dr. Lau Ee Von (Hon. Secretary)**

(T): +6012-3566339

(E): [MalaysiaSec@imechenetwork.org](mailto:MalaysiaSec@imechenetwork.org)

**Ir. C.C. Chow**

(T): +6012-6022310

(E): [chow@equip-inc.com](mailto:chow@equip-inc.com)