MALAYSIA BRANCH QUARTERLY NEWSLETTER

July 2021
Malaysia Branch

Institution of MECHANICAL ENGINEERS

Dear Fellow Members,

In the first quarter of 2021/2022 session, we had identified "Industrial Revolution" as our annual theme.

The pandemic has encouraged digital boom, we have moved most of the activities online, organized various webinars with experienced engineers to sharing their industrial experiences and knowledge.

We would like to call for more experienced engineers and business owners, to share their revolutionary adaptations during this economy low tide season. Please feel free to write to us, contact details are on the last page.

Dr. Lew Tze Ling

News

1.0 IMechE Malaysia YMS LinkedIn is launched!

With the pandemic dragged into second year, most of our activities had moved to digital platform.

And for our Young Members, digital platform has been a life essential since before the pandemic, we recognized this need, and have launched our YMS LinkedIn account not long after the AGM.

Various IMechE activities are shared on the LinkedIn page, please visit us today and follow us!

https://www.linkedin.com/company/imeche-malaysia-branch-young-members-section/

2.0 Meet The Engineer Series is launched!

The 'Meet an Engineer' series is focused on experience sharing of engineers working in the industry to inspire our developing engineers, e.g. students, IMechE Associate & Affiliate members, etc.

Our goal is to build awareness around the wide range of career paths as a Mechanical Engineer.

It is a 30-minute sharing session, followed by Q&A. It was launched on 26th June 2021.

We would like to invite more engineers to share their experiences and revolutionary adaptations during this economy low tide season. Please feel free to write to us, contact details are on the last page.

3.0 Supports and Benefits

Everyone needs some help sometimes, and IMechE is here for you. To name a few supports available:

Study grants and Breathing space grant that provides living maintenance when unexpected events happened: https://www.imeche.org/support-network/about-support-network

Reduced membership fees for career break, low income and retired members: https://www.imeche.org/membership-registration/become-a-member/membership-fees

If you would like to offer your professional help to others, there are a few routes too:
- To become a professional review volunteer
- To become an industrial / academic / university liaison officer

Upcoming Events:

1.0 IMechE PLC Design Competition

Date: 10th July 2021
Registration: https://lnkd.in/ga7w7m4
Details: https://bit.ly/3gYKkf9

IMechE PLC Design Competition organized by IMechE Malaysia APU SC in collaboration with Republic Polytechnic Singapore. It is aimed to cultivate cross country teamwork, to come out with the best PLC design via Automation Studio / CX Programmer and CX Designer.

This event is opened for all Engineering diploma and degree students, the entries submission has been extended to 30th June 2021. The final competition will be held on 10th July 2021.

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2.0 CEng / IEng Applications Workshop (Malaysia)
Date/Time:
26 July 2021 (3:00pm to 4:00pm)
10 September 2021 (11:00am to 12:00pm)
Registration: zen_teng@imeche.org

This is a free repeating workshop aims to prepare candidates who wish to apply for CEng / IEng status with IMechE.

Participants will receive briefing of five UK SPEC competence, ensure candidates understand how their qualifications, career and experience map across to the requirements for registration.
There are also tips on completing the application form, such as composing personal competence statements and career development action plan, followed by preparations on the Professional Review Interview.

You must already meet the academic and competence requirements to be able to attend this workshop.

3.0 Speak Out for Engineering (SOfE) Competition National Level
Date: 21st August 2021

The SOfE is entering to National Level, will be held on 21st August 2021, with candidates coming from various SC and industries.

SOfE is opened to all young members. For members who are not attached to student chapters, or are currently a working professional, and wish to participate, please write to imeche.yms.malaysia@gmail.com latest by 20th July 2021 for more info.

Check out more details here:
https://nearyou.imeche.org/near-you/south-east-asia/event-detail?id=19196

4.0 Role of Mechanical Engineer in Oil and Gas Design Office: Case Study of a Simple Offshore Platform
Date: 28th August 2021 (Saturday)
Time: 9.45am – 11.30am
Speaker: Mr. Ananthakumar Balasundram
Registration: https://forms.gle/MK6uuFTDRBNhJURf9
Details:https://nearyou.imeche.org/near-you/south-east-asia/malaysia/event-detail?id=19053
BEM Approved CPD / PDP hours: 2

This free online lecture is organized by Monash University Student Chapter.

Mr. Balasundram is a mechanical engineer graduated from University Malaya, currently doing post-graduate studies in Energy and Sustainability in Monash University Malaysia. He has over 20 years experience in oil and gas dealing with many challenging situations and adverse environments, from on onshore refineries to offshore platforms, floating production storage and offloading (FPSO) units and subsea systems. He worked in some well known O&G design and energy services companies, and had rich working experience as ex-patriot in the Netherlands and Middle East.

In this webinar, Mr. Balasundram will use a small oil platform as a case study, to highlight the design sequences from a mechanical piping engineer perspective

in an Oil and Gas design consultant office. He will also be sharing some industrial expectations to graduates and interview tactics.

5.0 SKF Bearing Technology and Bearing Selection Processes in Machine Design
Date: 28th September 2021 (Tuesday)
Time: 9:45am - 12pm
Speaker: Mr. Zainul Rashid Shamsudin
Registration:
https://docs.google.com/forms/d/e/1FAIpQLScz9vDM-wLzpsw_meZ7qOMHiAuRX7yOtP_TvnXjIwyQTQdvCw/viewform
Details:https://nearyou.imeche.org/near-you/south-east-asia/malaysia/event-detail?id=19184
BEM Approved CPD / PDP hours: 2

Mr. Zainul is currently the Senior Application Engineer in SKF Malaysia, with around 16 years of experience in the industry. He completed his Bachelor of Mechanical Engineering (Hons) degree in Universiti Teknologi Malaysia (UTM) in 1997. He has also conducted his training at SKF College and Research & Development Centre in the Netherlands.

6.0 Commercial Vehicles - An Overview in Malaysia
Date: 24th July 2021 (Saturday)
Time: 9.45am - 11.30am
Speaker: Dato Ir. Foong Choy Chye
Registration:
https://docs.google.com/forms/d/e/1FAIpQLSfqTpoEjXNq2S6jWx-mvYktJbi80TXadP_0-KQZNUf7SXE23Q/viewform
Details:https://nearyou.imeche.org/near-you/south-east-asia/malaysia/event-detail?id=19185
BEM Approved CPD / PDP hours: 2

Dato Ir. Foong Choy Chye is a practicing Mechanical Consulting Engineer and Principal of FCC Consulting Engineer. He is specialized in the field of road transport engineering and automotive engineering, and has been appointed by the Malaysian Ministry of Transportation as member of Independent Investigation Panel for two major bus accidents in Genting Highlands and Cameron Highlands over the past 10 years. He also serves as an Industry Expert Advisory Panel members for a number of local universities.

This talk briefly defines a commercial vehicle in the Malaysian regulatory context. The characteristics of a commercial vehicle will be explained within the boundary of the laws, regulations by Malaysia government and relevant regulatory agencies. The road worthiness will also be explored as it is vital for safe operation of commercial vehicles.

7.0 Innovative Manufacturing, Mechatronics & Materials Forum 2021 (iM3F2021).
Date: 20th September 2021
Registration: https://im3f.ump.edu.my/index.php/en/
Fee: MYR 200 (local participant), USD 100 (international participant)

IMechE Malaysia is proud to be one of the official partners of Innovative Manufacturing, Mechatronics & Materials Forum 2021 (iM3F2021), organized by Faculty of Manufacturing and Mechatronic Engineering Technology, Universiti Malaysia Pahang (UMP).

The conference is open for research paper submission until 1st July 2021.

All accepted papers shall be published in one of the following Scopus-indexed proceedings:
a) Lecture Notes in Electrical Engineering (Springer)
b) Lecture Notes in Mechanical Engineering (Springer)

Extended papers of selected articles will have the opportunity of their work to be reviewed and published in
a) Journal of Low Frequency, Vibration and Active Control - SAGE Publishing (JCR IF: 1.701, SJR: 0.365)
b) Advances in Materials and Processing Technology - Taylor & Francis Online (SJR: 0.235)

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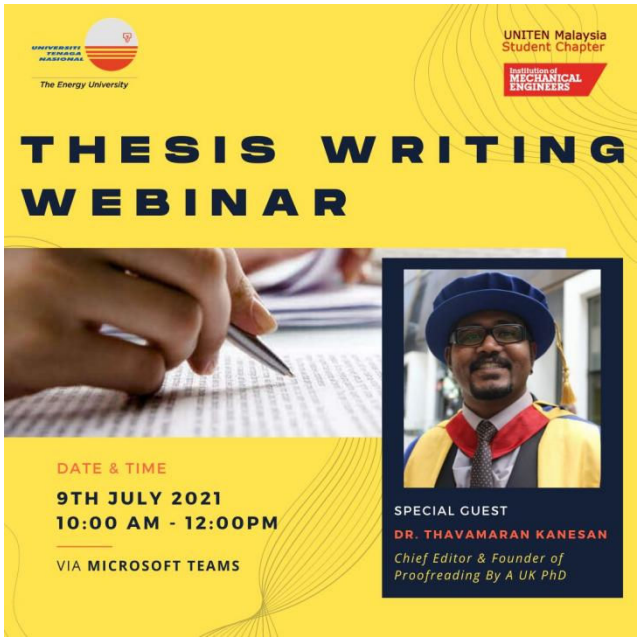
8.0 Thesis Writing webinar
Date: 9th July 2021 (Friday)
Time: 10.00am – 12.00pm
Speaker: Dr. Thavamaran Kanesan (Chief Editor & Founder of Proofreading by A UK PhD)
Registration: https://lnkd.in/g9CYfRB
Details: https://bit.ly/2TaJmDw

This online free workshop is organized by IMechE UNITEN Student Chapter.

The speaker will share professional thesis writing techniques, unveil the key to developing the thesis chapters, the process of picking out errors while refining thesis, and using methodical models to break down thesis chapters.



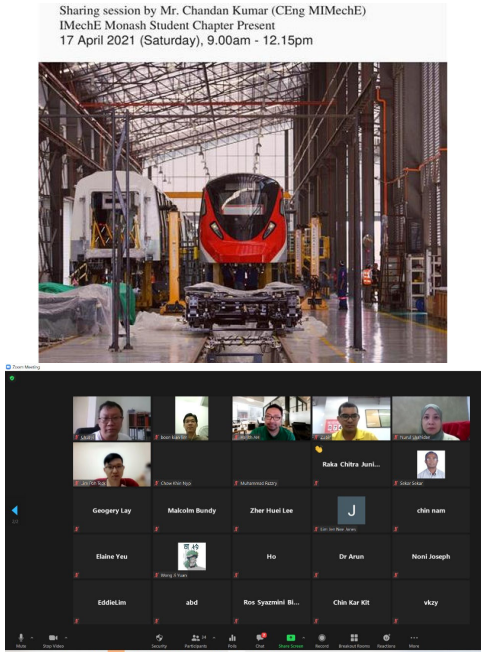
Past Events

1.0 Webinar "Rolling Stock for Non-Rolling Stock Professionals"
Date: 17th April 2021 (Saturday)
Speaker: Mr. Chandan Kumar
BEM Approved CPD / PDP hours: 4

The event was organized by Monash University Student Chapters, with Mr. Kumar introduction of rolling stock technologies.

The webinar was focusing on the concept of rolling stock and raise awareness about the railway industry. Mr. Kumar shared technological innovations on rolling stock, key features of Fully Automatic Trains and future technologies with informative and interesting videos, that made the webinar fun for all the participants.

The webinar received nearly 40% of the participants were industrial professions.



Some attendees for the Rolling Stock for Non-Rolling Stock Professionals webinar

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2.0 Webinar "Acoustofluidic: The applications of MHz acoustic waves"

Date: 8th May 2021 (Saturday)
Speaker: Ir. Dr. Tan Ming Kwang
BEM Approved CPD / PDP hours: 2

The event was organized by Monash University student chapter, with Ir. Dr. Tan introducing acoustic fluids and its latest development and applications, e.g. seed germination, enhance greywater treatment, nanofiltration, and generate plasma-activated aerosols.

The webinar has over 50% attendees from various corporate / industries.

3.0 Webinar "How Safe Does A Driverless Car Need To Be? Busting The Myth of Absolute Safety"

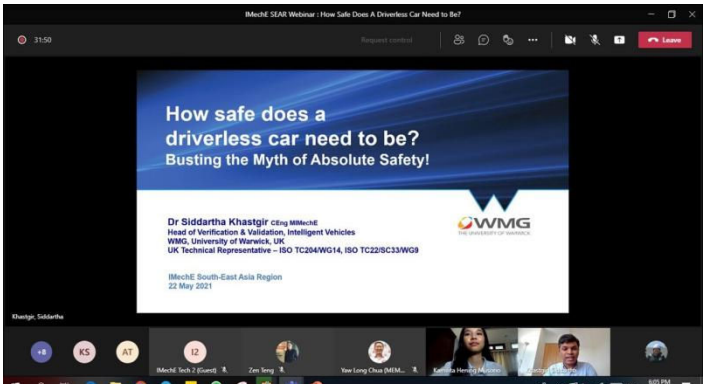
Date: 22nd May 2021

Speaker: Dr. Siddartha Khastgir

This event was hosted by SEA Regional Young Members, with Dr. Khastgir speaking on driverless car technologies.

Dr. Khastgir was the immediate past chairman of International Young Member, from University of Warwick.

The event saw nearly 30 active participants.



Some attendees for How Safe Does A Driverless Car Need To Be? Busting The Myth of Absolute Safety webinar

4.0 Meet the Engineer Series

Date: 26th June 2021
Speaker: Ir. Norman Hua

The 'Meet an Engineer' is focused on experience sharing of engineers working in the industry to inspire our developing engineers. It is a 30-minute sharing session, followed by Q&A. Our goal is to build awareness around the wide range of career opportunities available as a Mechanical Engineer.

The first episode of Meet The Engineer was with Ir. Norman Hua from Motorola, brought with him over 20 years of rich experiences working as engineer.

Over 30 participants had joined the tribute, with very active Q&As from participants from industries and current students.

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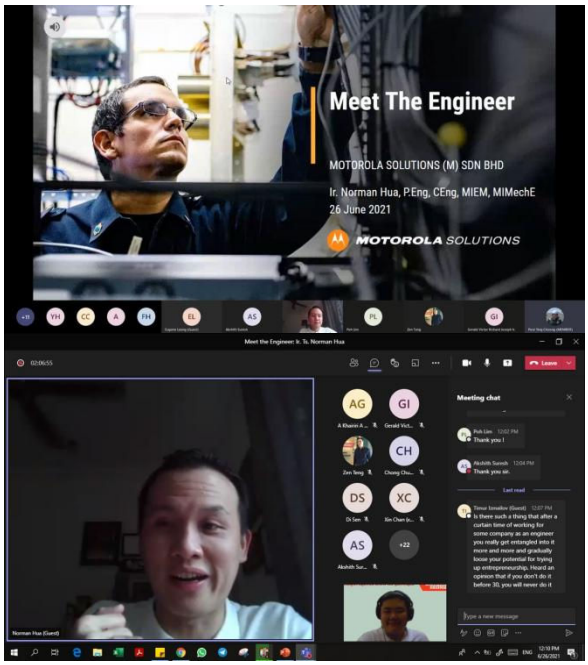


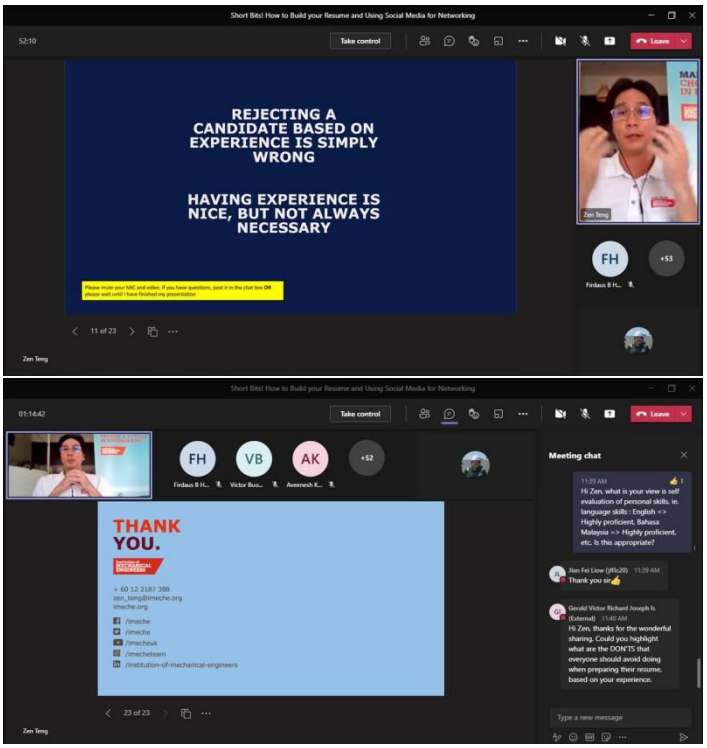
Screenshots from Meet the Engineer event.

5.0 Short Bits Series
Date: 19th June 2021
Speaker: Mr. Zen Teng

In this episode of Short Bits Series, Zen Tang addressed to graduates and young engineers on "How to Build your Resume and Using Social Media for Networking".

There were over 50 active participants in the session.

Zen busted the myth of not having working experience equating to unable to land on good offer. He guided the participants on building professional CVs, and shared useful tips in showcasing the skills and capabilities to attract potential recruiters.



Screenshots from Short Bits event.

6.0 Workshop for Academic Liaison Officer (ALO)
The workshop was organized by IMechE YMS on 10th April 2021, targetted to setup a support network across all 21 student chapters in Malaysia.

The workshop had full attendance almost all 21 representatives, and had great time discussing upcoming events and plans.

7.0 Workshop for Student Chapters (SC)
The first workshop was organized by IMechE YMS on 5th May 2021, targeted to help SC to operate more effectively and efficiently during the pandemic time, and provides a networking opportunity for SC volunteers to get to know their counterparts from other SCs.

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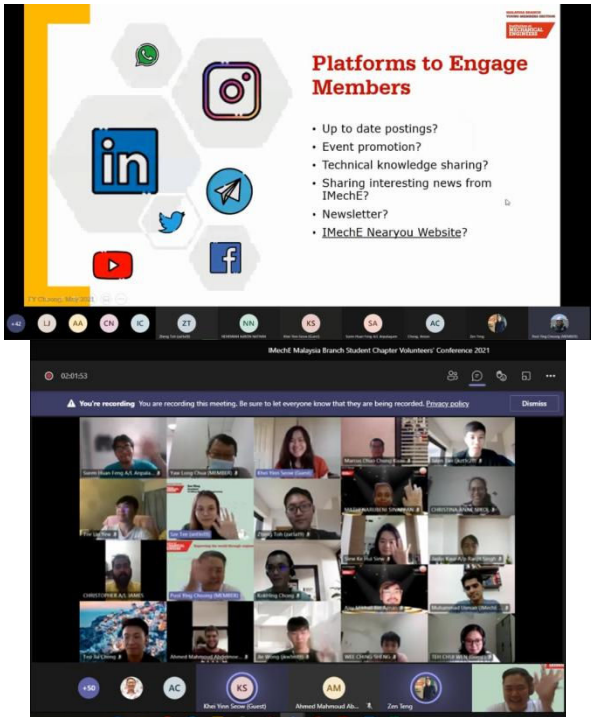
The event was widely supported by SCs around Malaysia. The first session saw an attendance of more than 60 SC volunteers.

The session was repeated again on 2nd and 26th June 2021 to accommodate for SCs who couldn't make it for the first session and it saw an attendance of more than 25 SC volunteers.



Some attendees for Student Chapters first workshop.

Contact Us

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