



Q1 ISSUE JAN - MAR 2022
E- ISSN: 2590-3608

IEEE MALAYSIA SECTION NEWSLETTER 2022

WHAT'S INSIDE?

- MESSAGE FROM THE EDITOR
- MESSAGE FROM THE CHAIR
- WELCOME NEW MEMBERS!
- SECTION & CHAPTER ACTIVITIES



LEARN FROM
YESTERDAY, LIVE FOR
TODAY, HOPE FOR
TOMORROW. THE
IMPORTANT THING IS
NOT TO STOP
QUESTIONING.

- ALBER EINSTEIN

Q1 Issue
Jan – Mar 2022



IEEE Malaysia Section Newsletter

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IEEE Malaysia Section Newsletter

MESSAGE FROM THE EDITOR

Dear IEEE members,

It is indeed a great honour to be the Newsletter Editor for the IEEE Malaysia Section and it is an immense pleasure to launch this first edition for 2022 newsletter.

In this issue, we will recount the various events and activities in which IEEE Malaysia Section members were actively involved since the 1st quarter of 2022. A

huge thank you to all the persons who contributed writing the wonderful and inspiring articles, without which there wouldn't have been this newsletter issue. Last but not least, I would like to thank IEEE Malaysia Section Chair, Dr Md Pauzi, and the Communications Committee for their everlasting support throughout the creation of this edition.



MESSAGE FROM THE CHAIR

First of all, I would like to express my appreciation to the Communications Committee headed by Dr Ashida for preparing this newsletter. The last two years have been challenging years for all of us due to the covid-19 pandemic. Most of the activities including conferences, technical talks and competitions we have to do online.

Thanks are extended to all the IEEE units and volunteers who remained enthusiastic to carry out various activities creatively despite many constraints and restrictions. Even so, physical activity is still missed by most members. With

some relaxation of SOPs given by the government, Malaysia section has held a face -to -face AGM in early February this year with new norms and strict SOPs. The members who were present were very happy after finally being able to face each other after two years. Hopefully this year will be a great year with more face-to-face activities to be carried out in the new norm. We hope you enjoy our newsletter. Happy reading.



IEEE Malaysia Section Newsletter

IEEE MALAYSIA SECTION ANNUAL GENERAL MEETING 2022 12TH FEBRUARY 2022

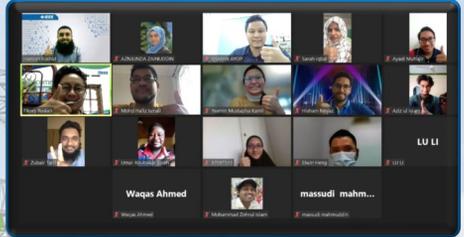


IEEE Malaysia Section Newsletter IEEE Young Professionals Malaysia Reported by Aznilinda Zainuddin (aznilinda.z.my@ieee.org)

IEEE Young Professionals Malaysia AGM 2022

The 18th Annual General Meeting (AGM) - 2022 of IEEE Young Professionals (YP) Malaysia was successfully conducted via Zoom on Sunday, 30th January 2022 from 3:00 pm to 5:00 pm. It started with the welcoming address by the Chair, followed by the acceptance of the minutes of 2021 AGM and then Chair's and Treasurer's reports of 2021 were presented.

-  <https://www.ieeeypmalaysia.com>
-  <https://www.facebook.com/IEEYPMalaysia>
-  <https://www.instagram.com/IEEYPMalaysia>
-  <https://www.youtube.com/IEEYPMalaysia>



IEEE Malaysia Section Professional Activities Award

IEEE YP Malaysia would like to thank IEEE Malaysia Section for selecting this team as the winners of the 2021 IEEE Malaysia Section Professional Activities Award. It was announced by the Awards & Recognitions Committee Chair of IEEE Malaysia Section Dr. Fawnizu Hussin. **CONGRATULATIONS** to Dr. Haroon Rashid, Ts. Aznilinda Zainuddin, Dr. Nadiyah Hussein ZA, Dr. Huda A Majid, Dr. Yasmin Mustapha, Hisham Neyaz and Islam Zohrul. This success was not possible without the extraordinary efforts put by this team. This award is given in recognition of the Best Professional Activity of the year within the IEEE Malaysia Section to one of the flagship events organized by IEEE Young Professionals Malaysia, best known as the 1st IEEE Young Professionals Future Leaders Summit 2021, which was held on June 19–20, 2021. Recordings can be viewed on our YouTube channel :

Day 1: <https://youtu.be/VmO503mfYV8>
& Day 2: <https://youtu.be/liiK-3AXqujA>.

This event was organized in collaboration with the IEEE Power and Energy Society Malaysia Chapter, The IET Malaysia Network, IET Young Professionals Malaysia and was supported by IEEE Region 10 & IEEE Region 10 Young Professionals under the IEEE R10 Young Professionals Student-YP Joint Activity Fund 2021.



IEEE Young Professional Malaysia Executive Committee Appreciation Dinner

Alhamdulillah, 2021 was a great year where IEEE YP Malaysia managed to organize multiple events including our flagship events, especially the Five Minutes Final Year Project (5MFYP) Competition. All these events were focused on the benefits of IEEE Students and Young Professionals, both members as well as non-members. It was all an awesome teamwork of the IEEE YP Malaysia Executive Committee and specific events' committee volunteers including student volunteers. As an appreciation and to celebrate the success of 2021, IEEE YP Malaysia held an appreciation dinner and invited 2021 Executive Committee members, auditors and student volunteers. The dinner was held at Dar Hadramout Restaurant, Bangi on Wednesday, 23rd February 2022 from 06:00 pm to 10:00 pm. The event also includes certificate giving ceremony, photo session, some quizzes and games with prizes given by the Chair. It was a great evening, and this was the first physical meet-up of the team since the beginning of COVID-19 pandemic.



IEEE Malaysia Section Newsletter

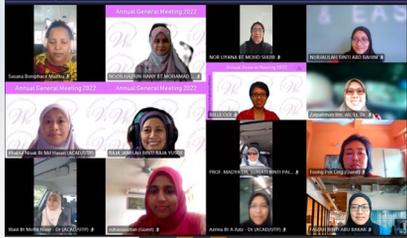
IEEE Women in Engineering (WIE)

Reported by: Khairul Nisak Md Hasan (khairulnisak.hasan@utp.edu.my)

IEEE WIE Malaysia Chapter Annual General Meeting 2022

IEEE WIE AGM was conducted on Friday, 25 February 2022, 3.00 pm virtually via Microsoft Teams. Total of 26 members attended the WIE AGM. This year, there is no election of new executive committee since the motion of 2 years candidature was agreed in the previous AGM. The session started with the welcoming speech by WIE chair, Dr. Zaipatimah Ali followed by an acceptance of the last AGM minutes of meeting.

Subsequently, the annual report and activities report of year 2021 was presented. Several suggestions were posted by member that includes for WIE to apply to host WIE Summit, to conduct Professional engineer workshop and to initiate the support group for working from home mothers or women. Next, the treasurer, Dr Noor Hazrin Hany presented the financial report of year 2021 ending on 31st December 2021. All reports was accepted by



Afterwards, the session is open for any other business and welcome for sharing and suggestion by WIE members. AGM end at 4.15pm with a photo session.

Attendees of the 2022 AGM of IEEE WIE Malaysia Chapter

WIE Malaysia Chapter Activities Planning 2022

IEEE WIE Malaysia Chapter had the first meeting to strategize the activities planning for year 2022. The meeting held on 1st April 2022 virtually. 8 executive committee members joined the two hours meeting with fruitful discussion.

For year 2022, WIE Ex-Comm has agreed to continue the annual event which is MyWIE Congress 2022 and the Senior Membership Elevation Workshop. It will be the highlight of WIE event. It is also proposed to hold a 'Meet & Greet Raya 2022' as the first physical meeting after the pandemic. It will be open for all members at specified cost.

WIE CONGRESS

ORGANIZED BY



The WIE bowling will also resume this year after 3 years on hold. Apart from these, other activities such as resume writing workshop, python workshop, STEM / school outreach activities will also be conducted. More professional event will also be planned.

2022 IEEE WIE Malaysia Chapter Ex-Comm.

No	Name	Post	Email	Affiliation
1	Zaipatimah Ali	Chair	zaipatimah@gmail.com	UNITEN
2	Rosmiwati Mohd Mokhtar	Past-Chair	rosmiwati@gmail.com	USM
3	Azrina Abdul Aziz	Chair-Elect	azrina_aaziz@utp.edu.my	UTP
4	Khairul Nisak Md Hasan	Secretary	khairulnisak.hasan@utp.edu.my	UTP
5	Noor Hazrin Hany Mohamad Hanif	Treasurer	noorhazrin@iium.edu.my	IUUM
6	Belle Ooi	Committee	Belle.Ooi@nottingham.edu.my	Uni Nottingham
7	Mitra Mohd Addi	Committee	mitramaddi@gmail.com	UTM
8	Illani Mohd Naw	Committee	illani.nawi@utp.edu.my	UTP
9	Raja Jamilah Raja Yusof	Committee	rjry@um.edu.my	UM

Women's International Day Conference 2022



In conjunction with the International Women's Day 2022, IEEE WIE Malaysia has joined hand with Bond Holdings Sdn Bhd, Universiti Teknologi PETRONAS (UTP) and Majlis Bandaraya Ipoh (MBI) today to organise the International Women's Day Conference 2022. This was the first time that the conference was co-organised by the government and private sector, as well as the academia, with the support from small and medium-sized enterprises (SMEs) and community towards a common purpose and goal to celebrate women's achievement in social, economic, cultural and technology.

The theme for this year's conference is "Gender Equality Today for a Sustainable Tomorrow", recognising the contributions of girls and women in their roles and responsibilities of leading and bringing change towards a sustainable future. The half-day conference featured speakers who shared their expertise on issues and challenges on gender equality. The speakers were MBI Councillor Dr Richard Ng, Maybank Regional Director Datin Munirah Che Rose, Board of Engineers Malaysia Director of Engineering Accreditation Department Professor Ir Dr Siti Hawa Hamzah, UTP's Department of Computer and Information Sciences Chair Ts Dr Aliza Sarlan and BNI Perak Central Region Senior Director Consultant Patrick Ng.

IEEE Malaysia Section Newsletter Consultants Network (CNAG)

Reported by: Sugumaran Ramachandran, Mohammed Hussein Saleh, Mohd Naim Mohd Ibrahim

How AI Convert Raw Data To Actionable Insights Webinar

IEEE Malaysia Consultants Network (CNAG) has organized “How AI Convert Raw Data To Actionable Insights” on 19 Dec 2021. The speaker is Dr. Touraj Khodadaudi who is Assistant Professor of IT at the School of Science and Engineering in Malaysia Universitu of Science and Technology (MUST). The session help audience to understand how AI is changing the way manufacturers operate worldwide. Because the ability to collect, analyze and act on production data has a transformative impact on operations especially productivity and ongoing optimization.



4th Industrial Revolution – Big Data & Analytics, Cloud Computing, Augmented Reality and Industrial Internet of Thing Webinar

IEEE Malaysia Consultants Network (CNAG) has organized “4th Industrial Revolution – Big Data & Analytics, Cloud Computing, Augmented Reality and Industrial Internet of Thing” on 26th Feb 2022. The speaker is Ts. Dr. Mohd Fazli Mohd Sam who is Senior Lecture at Universitu Teknikal Malaysia Melaka. The session help audience to understand how 4th IR providing transformation in the way how we manage daily live, work, communication and to get things done. 54 peoples was attending this online webinar.

Reskilling and Upskilling Tech Skills with IBM

IEEE Malaysia Consultants Network (CNAG) has organized “Reskilling and Upskilling Tech Skills With IBM” on 26th March 2022. The speaker is Ms. Pham Ngoc Van Giang who is Corporate Citizenship Manager for Vietnam, Indonesia and Malaysia from IBM. The session help audience to understand how SkillsBuild, a platform from IBM provides to non-IT and IT adult workers a 6-months IBM state-of-the-art, project based learning program build to suit entry level hot IT work demand and learners can actually apply for such as Data Analyst, Web Developer or Cyber Security Professional.

Insights into Finance and Coaching Webinar Series

IEEE Malaysia Section Consultants Network (CN) organised a series of public Live Webinars in collaboration with Alpha Coach Academy PLT to provide insights into Finance and Coaching. The 3 webinars were as follow :

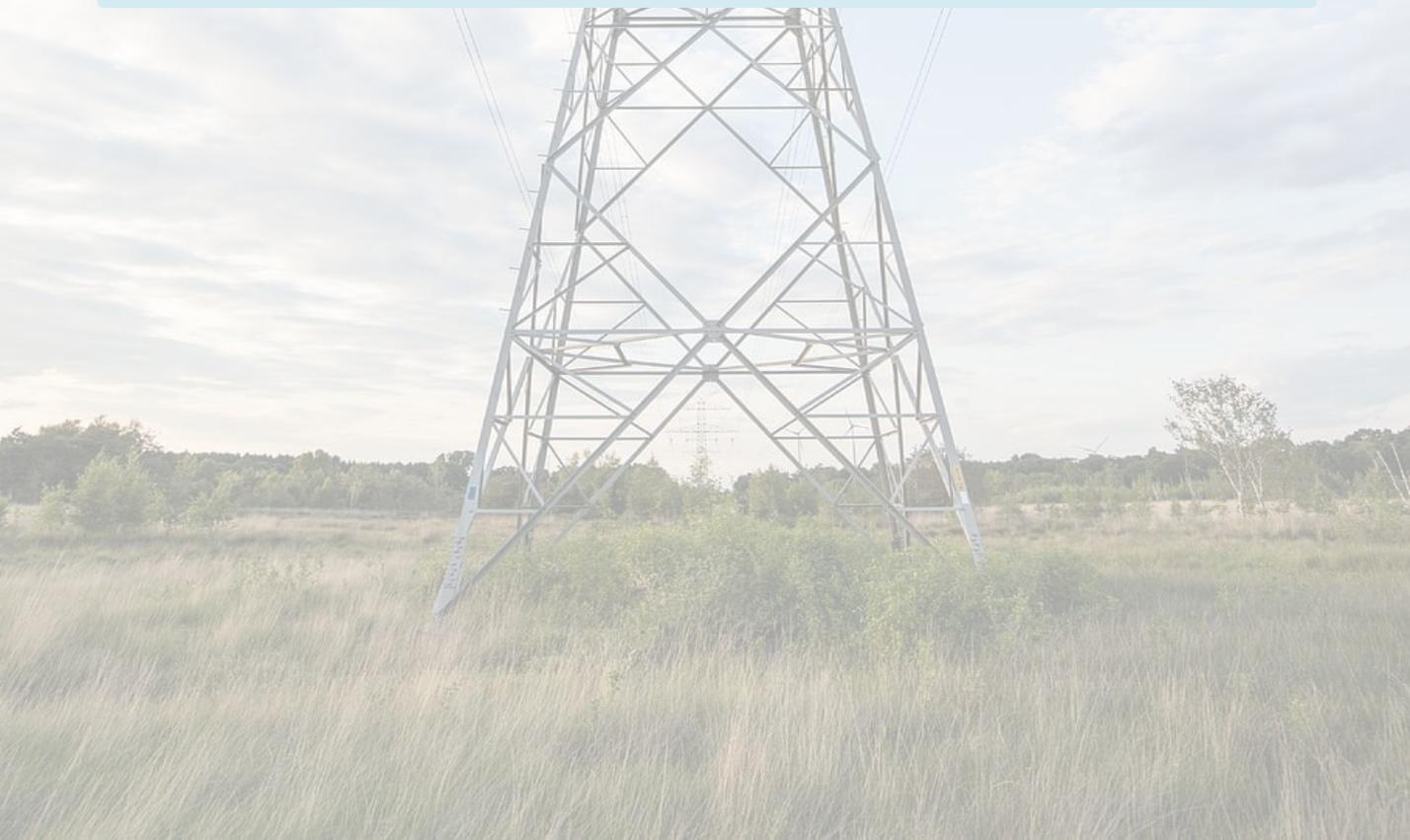
- 1) Managing Your Finances in a Pandemic – 23 Feb 22
- 2) Setting Goals for Success – 2 Mar 22
- 3) Overcoming Self-Limiting Beliefs to Achieve Your Goals – 9 Mar 22

Speakers for the webinars include a chartered accountant and certified financial coaches. Mr. Christopher Chew, CN Treasurer and an IEEE Senior Member, hosted the webinars and he was also one of the speakers. Besides talks on the topics stated, each webinar included a live coaching session to afford participants an opportunity to experience how coaching can help and empower one to resolve issues and achieve goal for success. An offer for a live one-hour coaching or financial planning session to participants for a RM50 donation for humanitarian activities generated interests and enquiries from the participants.

There was a total of 36 participants for the 3 webinars comprising mainly of IEEE members with 7 non-IEEE members. IEEE members participating in the webinars were all Malaysians

IEEE Malaysia Section Newsletter Consultants Network (CNAG)

Reported by: Sugumaran Ramachandran, Mohammed Hussein Saleh, Mohd Naim Mohd Ibrahim



IEEE Malaysia Section Newsletter

IEEE Sarawak Subsection

Reported by Ong Chin Ann (ongca@ieee.org)

7th IEEE Malaysia Sarawak Subsection AGM



7th AGM Sarawak Subsection

12 February 2022
2pm – 4pm



The IEEE Sarawak Subsection's Annual General Meeting has successfully taken place on 12th of February 2022 virtually via Zoom meeting. The AGM begins with a welcoming address by the Chair of IEEE Sarawak Subsection 2021-2022/23

The meeting continue with the updates on activities, events, awards, and news happening in year 2021. The subsection has conducted 3 meetings, 8 educational activities and workshops, 3 industry/technical talks, 2 professional events, achieved 6 awards and grants by its members in 2021. More information on the achievement can be found at [IEEE Malaysia Sarawak Subsection website](#).

The chair also encourage existing members to invite more professionals, practitioners, and academicians who are based in Sarawak or Sarawakian who are based outside Sarawak to join the IEEE Sarawak Subsection community in this exciting year. They may contact any of the IEEE Sarawak Subsection EXCO in case they have any doubts or inquiry.

IEEE Special Interest Group on Humanitarian Technology (SIGHT) Sarawak Initiatives



Early this year, the IEEE Malaysia Sarawak Subsection, IEEE Special Interest Group on Humanitarian Technology (SIGHT) Sarawak, Swinburne University of Technology and University of Technology Sarawak (UTS) collaborated in organizing humanitarian project for communities in the central region of Sarawak.

The alternative lighting project, successfully reached out to a secondary school, SK Kampung Bahagia Jaya in the sub-urban areas of SIBU, Sarawak. The activity was initiated and involved more than 10 IEEE students and members who volunteered in this project despite all difficulties encountered during the COVID-19 pandemic.

The project was divided into two phases. Under phase 1, the team conducted study on the needs of the primary school as well as surveyed different areas in the school. For phase 2, which is expected to be completed next couple of months, there will be a site installation of alternative lighting system for the school. The alternative lighting system will help in security, walking path enhancement and convenience during night time walking. The system is powered entirely by solar energy and is the most cost-effective way to provide sustainable lighting solution to the school. The solar system will benefit young school children by improving their study environment and school children can observe how the solar technology function.

IEEE Malaysia Section Newsletter

IEEE Sarawak Subsection

Reported by Ong Chin Ann (ongca@ieee.org)

IoT Workshop for Secondary School

Students

IEEE Sarawak Outreach Expansion



"IoT4Community"

Equip Your Home Plant with IoT and the Internet

26 February 2022
9am to 4pm

Free for all secondary school students. Limited seats!
You will get a set of home farming kit!!!

Complete your registration here: <https://forms.gle/wK6gpE7krj1d1koLA>
For more information, please email fstay@swinburne.edu.my

IEEE SIGHT
Special Interest Group on
Humanitarian Technology

IEEE



On 26th February 2022 IEEE SIGHT Sarawak has conducted another IoT4Community workshop titled, *"Equip Your Home Plant With IoT And The Internet"*. The workshop has attracted more than 30 secondary school students.

The workshop led by Dr. Mark Tee Kit Tsun which aims to provide participants technical knowledge on how IoT works and its applications.

Participants were also given opportunity to practice and experience hands-on activities in assembling as well as developing automated home-based plant irrigation system.

On 15 March 2022, the IEEE Sarawak Subsection's Chair, Associate Professor Dr. Jacey Lynn Minoi together with other EXCO members, Dr. Then Yi Lung and Dr. Tay Fei Siang initiated a discussion with Dr. Yong Ching Yee, a Senior Lecturer at the University of Technology Sarawak (UTS) to discuss and explore more opportunities on humanitarian related outreach as well as possibility to setup IEEE Student Branch at UTS.

The outcome of the discussions was exciting, and the subsection is looking forward to expand outreach activities in the state's central region via engagement and collaboration with UTS in 2022.

IEEE Malaysia Section Newsletter

IEEE Engineering in Medicine and Biology Society (EMBS)

Reported by Ezreen Farina Shair (ezreen@utem.edu.my), Siti Anom Ahmad (sanom@upm.edu.my)

Annual General Meeting 2022

The IEEE EMBS Malaysia Chapter Annual General Meeting was successfully held on the 12th of February 2022. The event took place in KL Convention Centre. A total of 21 MyEMBS members attended this AGM. Fruitful discussion was carried out during the AGM meeting to improve chapter activities in the year 2022.



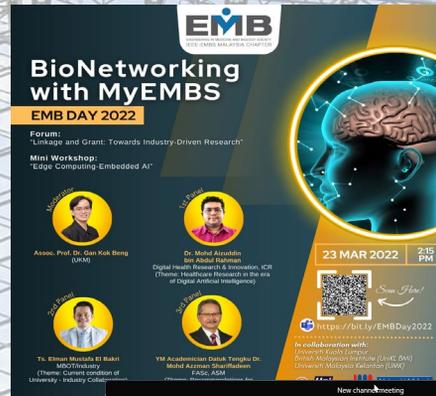
Call For Papers: IECBES2022

Our flagship conference, IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES2022) will be held in Kuala Lumpur, Malaysia from 7th – 9th December 2022 (HYBRID CONFERENCE).

Submit your paper → <https://iecbes2022.edas.info>
For further information, please visit our website <https://iecbes.org> or email us at info@iecbes.org

BioNetworking with MyEMBS

In conjunction with EMB DAY 2022, MyEMBS has successfully conducted a bionetworking event on 23rd March 2022. The program includes a forum on “Linkage and Grant: Towards Industry-Driven Research” and a mini workshop on “Edge Computing Embedded AI”. About 80 participants registered. This event is in collaboration with Universiti Kuala Lumpur and Universiti Malaysia Kelantan.



Healthcare Personalisation: For the Future & Beyond IECBES

Since the last installation of this conference (IECBES 2020) in March 2021, we have seen the healthcare industry grow tremendously with many innovations being made. This growth and innovation has not only been limited to the battle against COVID-19 but also to our general wellbeing. And this is only but the beginning.

Going forward, how healthcare operates internally and how individuals interact with their care providers, will be radically different, creating a more individualized-centric and convenient approach motivated by personalization. At the heart of all is the advance made in technology, interconnected, end-to-end consumer platforms connecting stakeholders across the health value chain is how becoming a reality.

TRACKS <ul style="list-style-type: none"> Biomedical Signal Processing Biomedical Imaging and Visualization Biomedical Robotics and Mechatronics Pharmaceutical Engineering and Biotechnology Health Engineering and Ergonomics The Health Informatics 	VENUE <p>The IEEE Engineering in Medicine and Biology Society (IEEE-EMBS) Malaysia Chapter is pleased to announce the 10th IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES 2022), Year 2022 marks the Malaysia Chapter's 10th year of commitment to recognizing and nurturing research frontiers in biomedical engineering and medicine in its flagship conference. It is with this pride and honor that we invite you to attend IECBES 2022 which will be held in Malaysia from December 7th to 9th December, 2022. In our efforts to increase scope of accessibility and the sharing of research findings to all relevant stakeholders, we are committed to making IECBES2022 a hybrid conference.</p>
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IMPORTANT DATES

- 30 JUL 2022 Paper Submission
- 30 SEP 2022 Acceptance Notification
- 15 OCT 2022 Early Bird
- 30 OCT 2022 Camera Ready
- 07 DEC 2022 Conference

ORGANIZING COMMITTEES

- Ahmad Azwan Ibrahim** - Chair
UNIVERSITI TEKNIKAL MALAYSIA
- Siti Anom Ahmad** - Vice Chair
UNIVERSITI TEKNIKAL MALAYSIA
- Ezreen Farina Shair** - Secretary
UNIVERSITI TEKNIKAL MALAYSIA
- Chang Yu Zheng** - Treasurer
UNIVERSITI TUNKU ABDUL RAHMAN
- Darwin Gouwanda** - Technical Program
MACHINERY UNIVERSITY, MALAYSIA
- Wahidah Mansor** - Special Session & Workshops
UNIVERSITI TEKNIKAL MALAYSIA
- Lee Yook Khuan** - Publication Chair
UNIVERSITI TEKNIKAL MALAYSIA
- Aidil Razvan** - Publication Co-Chair
UNIVERSITI TEKNIKAL MALAYSIA
- Yegorovskiy Mubomir** - Publicity & Website
and Engineering Lab, DSB, BRNO
- Gan Hong Beng** - Secretariat
UNIVERSITI TEKNIKAL MALAYSIA
- Zuhairi Mahmood** - Local Arrangement
UNIVERSITI KUALA LUMPUR



CALL FOR WORKSHOP PROPOSALS

- 15 AUG 2022 Proposal Submission Deadline
- 30 AUG 2022 Proposal Acceptance Notification

CALL FOR SPECIAL SESSION PROPOSALS

- 15 MAY 2022 Proposal Submission Deadline
- 19 JUN 2022 Proposal Acceptance Notification

Find out more at iecbes.org or mail us at info@iecbes.org

IEEE Malaysia Section Newsletter IEEE Power & Energy Society (PES)

Reported by Assoc. Prof. Ir. Dr. Miszaina Osman (miszaina@uniten.edu.my)

IEEE PES Malaysia Chapter 26th Annual General Meeting

The IEEE PES Malaysia Chapter 26th Annual General Meeting was successfully held on the 12th of February 2022. The event took place in KL Convention Centre. A total of 35 PES members attended this AGM. The new executive committee of 2022 was successfully elected via an election process conducted by Ir Yeoh Eng Chin. Fruitful discussion was carried out during the AGM meeting to improve IEEE PES activities and performance for the upcoming year. Congratulations to the new 2022 ex-comm!



PES Strategic Planning Workshop 2022

IEEE PES Malaysia Chapter had the Annual Strategic Planning Workshop on the 26th and 27th March 2022 at the Mercure Hotel, Glenmarie. All the executive committee of 2022 and the council of PES past chairs attended this workshop. Discussion and planning was priority with focus on 2022 activities to PES members.



2021 IEEE International Conference in Power Engineering Application (ICPEA 2022)

2022 IEEE International Conference in Power Engineering Application was successfully conducted on 7th and 8th March 2022. It was a hybrid conference and IEEE PES is a technical co-sponsor for this conference. There are 2 main keynote lecture sessions held which are:

1) "Climate Change Planning of Electric Power System: Reality Check in" by Dr Shay Bahramirad, Senior VP of Engineering and Asset Management at LUMA Energy, Puerto Rico.

II) "Renewable Energy Development in Malaysia and its challenges" by Ir Dr Zahrul Faizi Hussein, CEO Power Division, Ranhill Utilities Berhad.

A total of 45 technical papers were presented in this conference.



Humanitarian Project: Launching of Solar Project at Kampung Tewowoh, Mersing, Johor.

On 29th March 2022, IEEE PES Malaysia Chapter joined a program with Universiti Teknologi Malaysia to implement an off-grid Solar Project for 19 houses at Kampung Orang Asli Tewowoh, Mersing. The villagers previously had to rely on electricity supply through petrol generators with the overall cost between RM300 to RM450.00 a month with only four hours of use per day. Bank Islam Malaysia fully funded the project via Sadaqa House, with a total cost of RM 114,000.00.



IEEE Malaysia Section Newsletter IEEE Signal Processing Society (SPS)

Reported by Dr. Usman Ullah Sheikh (usman@utm.my)

Webinar : Automatic Censorship Using Deep Learning



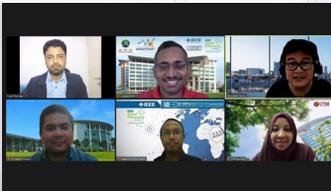
Manual censorship involves humans to censor the unwanted content. It is a laborious task as the censor need to continuously monitor the broadcasting channel. Prof. Ir. Dr Hezerul Abdul Karim from the Multimedia University, Malaysia gave a talk on challenges in automatic censorship, and the signal and image processing based on deep learning technology that is needed to support and achieve it. The talk was conducted on the 12 Jan 2022 and attended by 14 attendees.

Webinar : Evaluation of Human Bite Mark Matching using CBCT



In forensic investigations for a number of different purposes, bite marks may be present on the body or on other artefacts. Matching the bite mark to the person can be very difficult. Professor Dr. Rajasvaran Logeswaran, from Asia Pacific University of Technology and Innovation (APU), Malaysia gave a webinar on human bite mark matching on 16 Feb 2022. The online talk was attended by 17 attendees, consisting members of IEEE and non-IEEE.

Webinar : A Markov-Switching Model Approach to Heart Sound Segmentation and Classification



On March 23, 2022, the IEEE SPS conducted an online webinar presented by Dr Fuad Noman. He is research fellow at the School of Information Technology, Monash University, Malaysia. The talk tackled the challenges in heart sound segmentation and classification. A deep dive into Markov-switching autoregressive to model raw heart sound signals was given during the talk.

PowerApps: Azure Face API



A 1-day online workshop on “PowerApps: Azure Face API” facilitated by Foo Lee Yi (Microsoft Learn Student Ambassador), was organised by the APU IEEE Student Branch in collaboration with APCA, Microsoft, IEEE Signal Processing Society Malaysia Chapter and Asia Pacific Analytics Club (APAC). The successful workshop attracted 30 participants (5 IEEE). The workshop was conducted on 27 Feb 2022.

Analytics Career Talk



On the 10 March 2022, Shopee x APAC Career Talk was organized by the Asia Pacific Analytics Club (APAC) in collaboration with APCA, the IEEE Signal Processing Society Malaysia Chapter and the APU IEEE Student Branch. The event was attended by 96 participants (5 IEEE). The event was conducted online on the Microsoft Teams platform.

IEEE Malaysia Section Newsletter IEEE Signal Processing Society (SPS)

Reported by Dr. Usman Ullah Sheikh (usman@utm.my)

IEEE SPS Annual General Meeting (AGM)



The IEEE SPS had its AGM for 2022 in a hybrid mode. The AGM was conducted on 12th February 2022 at the Kuala Lumpur Convention Centre. A total of 21 members attended the AGM in both physical and online mode. The IEEE SPS was honored to receive an award for IEEE Malaysia Section in recognition of outstanding contribution and services to the IEEE Malaysia Section.

Physical Executive Committee Meeting & Appreciation Lunch



On the 2 April 2022, IEEE SPS organized its monthly society's meeting together with appreciation lunch in celebrating the success of the 2021 IEEE SPS Summer School event. The meeting and lunch was held at the Double Tree Hotel, Putrajaya.

IEEE SPS Humanitarian Activity - Post Flood Recovery Aid



IEEE Kuala Lumpur Subsection together with IEEE SPS organized a fund collection to help the people affected by the 2021 end of year flood in Selangor. The flood relief was distributed on the 6th of January 2022 by the members of IEEE SPS to 11 families in Kampung Tengah and Kg Kenang, Puchong.

Prominent Figures Share Their IEEE Journeys



Prof. Dr. Logeswaran and Mr. Mohammed Hussein (IEEE Malaysia Section) were invited speakers for the "Prominent Figures share their IEEE Journeys" on Facebook Live, on the 22 March 2022. It was a research and professional-related session organized by APU IEEE Student Branch in collaboration with APCA and IEEE Signal Processing Society Malaysia Chapter.

IEEE Malaysia Section Newsletter IEEE Robotics and Automation Chapter (RAS)

Reported by Assistant Professor Mohamed
khan(mohamedkhan@ucsiuniversity.edu.my)

Webinar on Benefits of being a IEEE RAS Malaysia chapter member

Webinar venue: UCSI University, Malaysia. 31 January 2022. The event started at 10.00 AM. In the engineering professional world creating a good network to build a strong career is a must. It is important for those enrolled in this subject to know the value of a professional society and gain knowledge- how to enroll and get maximum benefit out of it. Later Dr.Mohamed Khan briefed the audience of more than 30 students and staffs Engineering staffs the vision, mission and the complete IEEE organization structure and its benefits.



Project Competition for Industrial Automation

IIUM, Malaysia, 20 January 2022.

This talk was presented by Prof. Dr. Tanveer from IIUM, Malaysia. More than 10 participants including the staffs and students attended the talk. It was a Webinar arranged by Autonomous Systems And Robotics Research Unit (ASRRU) in collaboration with IEEE RAS. We arranged a project competition among the students who took the course Industrial Automation. We provided certificate/s of appreciation for the top performer/s.



The Futuristic Technology - Robotics and IOT

UCSI University, March 26 2022. In this event, Mr. Md. Farhan Ferdous explained about the applications of robotics and IOT for the current Industrial Automation Sector with both video demonstration and his experience working as a robotics manufacturing engineer in Japan. He even explained the robotics and IOT projects he accomplished in his own company; Japan Bangladesh Robotics and Advanced technology Research Center. Moreover, he explained about the job opportunities in the robotics and IOT sectors for Malaysia students in abroad countries like Japan, Germany, UK, USA, Australia,

China and Canada. He also explained about the further study opportunities for UCSI UNIVERSITY students in abroad countries like Japan, Germany, UK, USA, China and so on. He finally gave his view about the future Automation of developing countries like Bangladesh, India, Malaysia, Indonesia and so on.

Research colloquium at UCSI University

UCSI University. 10 Feb 2022. A research colloquium was organized in UCSI Research center, where researchers from various departments joined together to present their research work under different topics. More than 20 participants mostly students doing their Masters and PhDs participated. Dr.Mohamed Khan presented his research paper which was published in scopus for the title – Development of a laboratory scale pipe line crack inspection robot

RESEARCH COLLOQUIUM
Live Session

DR CHAI PUI VUN
Department of Chemical and Petroleum Engineering
Green Synthesis of Graphene Oxide Polymer Based Membrane Using Dimethyl Sulfoxide as Green Solvent

ASSISTANT PROFESSOR DR MOHAMED KHAN APTHAB AHMED KHAN
Department of Mechanical Engineering
Development of a Laboratory Scale Pipeline Crack Inspection Robot

WAN ZAILAH WAN SAID
Department of Mechanical Engineering
Image Reconstruction Technique Using Random Transform

DR JONATHAN YONG CHUNG EE
Department of Mechanical Engineering
Simulated Performance of an Improved District Cooling System (DCS) in Tronoh, Perak, Malaysia

Date: 10 February 2022 (Thursday) | Time: 2:30PM – 4:00PM | Platform: Microsoft Teams (Code: 9s2o01j) | [CLICK TO JOIN](#)



IEEE Malaysia Section Newsletter

IEEE Electron Devices Society Malaysia Chapter (EDS)

Reported by: Maizatul Zolkapli (maizatul544@uitm.edu.my)

IEEE EDS Malaysia Annual General Meeting 2022



Attendees of the 32nd AGM of IEEE EDS Malaysia Chapter

The 32nd Annual General Meeting (AGM) of the EDS Malaysia Chapter was held on January 22, 2022 at Mercure Hote, Kuala Lumpur. 25 EDS members from all over Malaysia attended the meeting. Dr Sabirin, Dr Maizatul and Dr Azrif presented all the EDS events, activities and financial status in 2021. The was no election been carried out during this AGM since the existing committee were appointed for a two-year term (2021-2022). During the meeting, following volunteers received their awards from IEEE EDS Malaysia Chapter.

- 2021 IEEE EDS Malaysia Outstanding Volunteer Award: Ir Ts Dr Maizatul Zolkapli
- 2021 IEEE EDS Malaysia Outstanding Student Volunteer Award: Tan Eu Gene
- 2021 IEEE EDS Malaysia Outstanding Industry Volunteer Award: Ir. Bernard Lim Kee Weng
- 2021 IEEE EDS Malaysia Outstanding Portfolio Award: Educational Activities: AP Dr. Rosminazuin Ab Rahim and Dr Aliza Aini Md Ralib

All Excom members of 2021 were presented with appreciation certificates.

EDS Malaysia Chapter wins Outstanding Medium Chapter Award 2021 and other awards



EDS Malaysia receiving the Outstanding Medium Chapter Award 2021 and other awards from IEEE Malaysia Section

EDS Malaysia Chapter, chaired by AP Dr Ir Ts Ahmad Sabirin won the IEEE Malaysia Section's Outstanding Medium Chapter Award 2021 during the Section's Annual General Meeting held at the Kuala Lumpur Convention Centre (KLCC) on 122ndth February 2022. The purpose of the award is to recognize the outstanding performance of the best chapter among all 27 technical chapters in Malaysia Section which have successfully served their members and the technical community by voluntary service while retaining membership. On top of that in addition, several EDS Malaysia Excom members also received due recognition for their achievement in 2021 from IEEE Malaysia Section. won individual awards. They are as follows:

1. 2021 IEEE Malaysia Outstanding WIE Volunteer Award
AP Dr. Rosminazuin Ab Rahim
2. 2021 IEEE Malaysia Outstanding Industry Volunteer Award
Ir. Bernard Lim Kee Weng
3. 2021 IEEE Malaysia Educational Activities Award
AP Dr. Rosminazuin Ab Rahim and Dr Aliza Aini Md Ralib

Reported by Maizatul Zolkapli, Sustitha Menon & Ahmad Sabirin Zoolfakar

IEEE EDS Malaysia's Distinguished Expert Webinar in Conjunction with 75th Anniversary of the Transistor



IEEE EDS Malaysia members with Prof Dato' Dr Burhanuddin

In conjunction with the 75th Anniversary of the Transistor, IEEE EDS Malaysia Chapter together with the Institute of Microengineering and Nanoelectronics (IMEN), Universiti Kebangsaan Malaysia (UKM) and IEEE EDS UKM Student Branch Chapter held a very prestigious event; Distinguished Expert Webinar on 1st April 2022 to commemorate the significant roles of Micro and Nanoelectronics in our lives. The title of the talk is "From Micro to Nanoelectronics"; conducted in hybrid mode. About 15 people attended the talk physically while 110 others joined online via Zoom platform. We were honoured to have Prof Dato' Dr Burhanuddin Yeop Majlis, the renowned figure of Microelectronics in Malaysia to share his insights on Micro and Nanoelectronics. His pictorial and nostalgic talk portrayed the evolution of microelectronics during the early years until where we are today and he shared how EDS Malaysia was established in Malaysia. Prof Burhanuddin must be commended for proliferating the field of Micro and Nanoelectronics in Malaysia and for molding many experts in this field.

Reported by Maizatul Zolkapli, Ahmad Sabirin Zoolfakar, Rosminazuin Ab Rahim, Norhayati Soin, Azrif Manut, Iskandar Yahya, P Sustitha Menon

IEEE Malaysia Section Newsletter

IEEE Electron Devices Society Malaysia Chapter (EDS)

Reported by: Maizatul Zolkapli (maizatul544@uitm.edu.my)

IEEE EDS Malaysia Senior Member Elevation Workshop 2022



IEEE Advancing Technology for Humanity

ELECTRON DEVICES SOCIETY MALAYSIA CHAPTER

IEEE EDS MALAYSIA SENIOR MEMBER ELEVATION WORKSHOP

DATE: 10 MARCH 2022 (THURSDAY)
TIME: 3PM TO 5PM
PLATFORM: GOOGLE MEET
LINK: <https://meet.google.com/vvp-xinj-zdq>

SPEAKER:
 ASSOC PROF. DR. P SUSTHITHA MENON
 Member, IEEE Electron Devices Society (EDS) Board of Governors

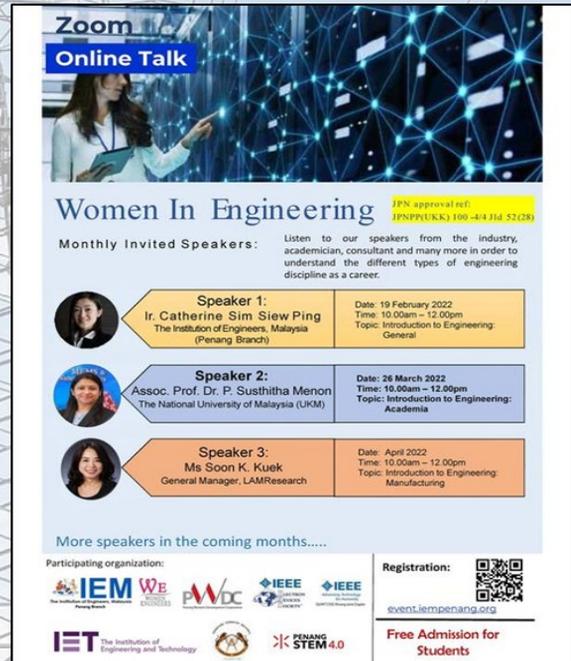
MODERATOR:
 ASSOC PROF. IR. DR. AHMAD SABIRIN ZOOLFAKAR
 2021/2022 Chair, IEEE EDS Malaysia

Organizer: IEEE EDS MALAYSIA

Senior member is the highest grade in IEEE. All members who have been a member of IEEE for at least 5 years can be nominated as a Senior Member. Join us to know more about the promotion procedures. This workshop is open to all IEEE members.

Poster of the IEEE EDS Malaysia Senior Member Elevation Workshop

Women In Engineering Career Talk 2022 for School Students



Zoom Online Talk

Women In Engineering

Monthly Invited Speakers: Listen to our speakers from the industry, academician, consultant and many more in order to understand the different types of engineering discipline as a career.

	Speaker 1: Ir. Catherine Sim Siew Ping The Institution of Engineers, Malaysia (Penang Branch)	Date: 19 February 2022 Time: 10.00am – 12.00pm Topic: Introduction to Engineering General
	Speaker 2: Assoc. Prof. Dr. P. Sushitha Menon The National University of Malaysia (UKM)	Date: 26 March 2022 Time: 10.00am – 12.00pm Topic: Introduction to Engineering: Academia
	Speaker 3: Ms Soon K. Kuek General Manager, LAMResearch	Date: April 2022 Time: 10.00am – 12.00pm Topic: Introduction to Engineering: Manufacturing

More speakers in the coming months....

Participating organization:

Registration:  event.iempenang.org

Free Admission for Students

Poster of the Women in Engineering Career Talk 2022

IEEE EDS Malaysia Chapter hosted the virtual IEEE Senior Membership Elevation Workshop on the 10th March 2022 via Google Meet at 10 am. The event was also held in conjunction of the International Women's Day 2022 on 8th March 2022 where three prominent women gave their remarks with regards to senior member elevation in IEEE. The event was moderated by IEEE EDS Malaysia Chapter Chair, Assoc. Prof. Ir. Ts. Dr Ahmad Sabirin Zoolfakar from UiTM Shah Alam and was kicked off by the opening remarks from the IEEE Malaysia Section Chair 2021-2022, Assoc Prof. Ir. Dr. Pauzi Abdullah from UTM Johor. The participants were fortunate to listen to the views of IEEE EDS Vice-President of Membership, Prof Dr. Merlyne de Souza (University of Sheffield) and Prof. Ir. Dr. Zuhaina Zakaria (UiTM Shah Alam) who is the Chair for IEEE Admission and Advancement Committee. The speakers gave overviews on the benefit of senior member elevation and review panel's perspective. Finally, a step-by-step method on documenting the Senior Member application form was given by Assoc Prof. Dr. P Sushitha Menon, Member, IEEE EDS Board of Governors from IMEN, UKM. During the workshop, Dr. Susi presented overview of member grade elevation procedures and recognition, requirements for senior membership elevation and case studies. The workshop was attended by 20 people and adjourned at 12 noon.

Reported by P Sushitha Menon, Ahmad Sabirin Zoolfakar, Maizatul Zolkapli, Zuhaina Zakaria & Merlyn de Souza

On the 25th March 2022, the Institution of Engineers Malaysia (IEM) Penang Branch in collaboration with IEEE EDS Malaysia Chapter, IEEE EDS UKM Student Branch, IET Malaysia, TAM, PWDC and Penang STEM held a Women in Engineering Career Talk for higher secondary school students. The online talk was held via Zoom and was attended by 90 school students from all over Malaysia. The Branch Chair, Ir Bernard Lim briefed the students on the motivation of the talk which is to give students, especially women and girls, an overview of the different career options that an engineering undergraduate will have upon graduation. In this series, Assoc Prof. Dr. P Sushitha Menon, Member, IEEE EDS Board of Governors from IMEN, UKM gave an Introduction to Engineering from the perspective of an academician. The students were briefed on the various career paths available if they are interested to be an engineering educator or lecturer. The session ended with a Kahoot quiz where winners received e-wallet vouchers sponsored by IEEE EDS Malaysia. The students were highly motivated with the engineering field and asked various questions related to the field.

Reported by P Sushitha Menon, Bernard Lim, Ahmad Sabirin Zoolfakar, Maizatul Zolkapli, Lim Xiao Xian, Presanna

IEEE Malaysia Section Newsletter

IEEE Electron Devices Society Malaysia Chapter (EDS)

Reported by: Maizatul Zolkapli (maizatul544@uitm.edu.my)

IEEE EDS Malaysia's Virtual Distinguished Lecture: Thin Film Photovoltaic (PV) Technology – From Inception to Successful Commercialization of CdTe



The Speaker, Prof Nowshad and some of the participants who dialled-in

IEEE EDS Malaysia Chapter has successfully organized the 1st Distinguished Lecturer Talk for 2022. The event takes place on Wednesday 6th April 2022 via the online platform Microsoft teams. The presenter is Prof. Dr. Nowshad Amin Photovoltaic expert from University Tenaga Nasional (UNITEN). The event catches the attention of about 80 participants from Malaysia and also Indonesia. The title of the lecture is "Thin Film Photovoltaics (PV) Technology– From Inception to Successful Commercialization of CdTe". Feedback from the participants showed that they were gratified with the presentation and explanation by Prof. Nowshad. The footage of the presentation is also being shared on social media i.e. YouTube channel IEEE EDS Malaysia, this is to increase the visibility of IEEE EDS and as an approach for membership promotion.

Reported by Hazian Mamat, Nowshad Amin, Suhana Mohamed Sultan, Ahmad Sabirin, Maizatul Zolkapli & Nurul Ezaila Alias

IEEE International Conference on Semiconductor Electronics (ICSE) 2022

2022 IEEE INTERNATIONAL CONFERENCE ON SEMICONDUCTOR ELECTRONICS (ICSE 2022)

15 - 17 AUGUST 2022

ICSE 2022

Virtual CONFERENCE



ICSE 2022

EDS Malaysia Chapter is pleased to welcome everyone to participate in the 2022 IEEE International Conference on Semiconductor Electronics (ICSE) on 15th to 17th 2022. This bi-annual technical conference since 1992 aims at bringing together researchers from industry and academia to gather and explore various issues and trends in the field of semiconductor electronics. This is the 15th ICSE organized by the Electron Devices Chapter of IEEE Malaysia Section and technically co-sponsored by the IEEE Electron Devices Society. Over the last twenty-eight years, ICSE conference series has become the prominent international forum on semiconductor electronics embracing all aspects of the semiconductor technology from circuit device, modelling and simulation, photonics and sensor technology, MEMS technology, process and fabrication, packaging technology and manufacturing, failure analysis and reliability, material and devices and nanoelectronics. Please visit our website for further details <https://ieeemalaysia-eds.org/icse2022/about-icse/>

Reported by Maizatul Zolkapli & Ahmad Sabirin Zoofakar

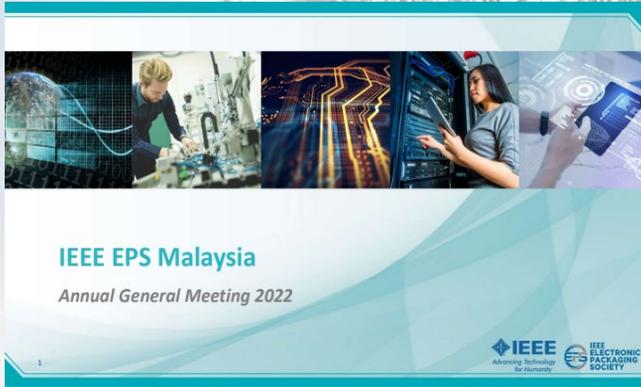
IEEE Malaysia Section Newsletter

IEEE Electronic Packaging Society

Compiled by Bernard LIM
berna_rd@ieee.org

IEEE-EPS Malaysia Chapter AGM – 12th Feb 2022

This year IEEE EPS Malaysia Chapter held their AGM 100% Online. Please join me in congratulating the incoming IEEE Electronic Packaging Society (EPS) Malaysia Chapter committee that is led by Dr Yik Yee TAN.



IEEE EPS Malaysia Chapter won the IEEE Malaysia Section – 2021 Outstanding Small Chapter Award

During the 2022 IEEE Malaysia Section AGM held at KLCC Convention Center on the 12th Feb 2022, IEEE EPS Malaysia Chapter won the 2021 Outstanding Small Chapter Award. The award was presented by the IEEE Malaysia Section Chair, Dr Md Pauzi. IEEE EPS Malaysia Chapter Vice chair, Dr Eu Poh Leng received the award on behalf of the chapter (Figure).



IEEE EPS Webinar Series 2022

EPS Webinar Series 2022

Topic 1: Flip chip die attach fluxes from industry perspective



Speaker: Mr. Azham Mohd Sukemi
Senior Principal Engineer, Package Innovation Dept,
NXP Semiconductors Malaysia.

Topic 2: Reliability issues related to No-Clean Flux perspective



Speaker 1: Prof. A. S. M. A. Haseeb
Professor of Mechanical Engineering Dept.,
University of Malaya (UM)



Speaker 2: Mr. Saif Wakeel
Ph.D. researcher at Tyndall National
Institute, University College Cork, Ireland

Date : 22-Mar-2022 (Tue)
Time : 10.00am – 11.30am
Platform : IEEE CISCO WebEx

E-certificates will be provided to participants

Organized by: IEEE EPS



Fig 1: IEEE EPS Malaysia Chapter Online AGM Group Photo.

IEEE EPS Malaysia 2022 Committee

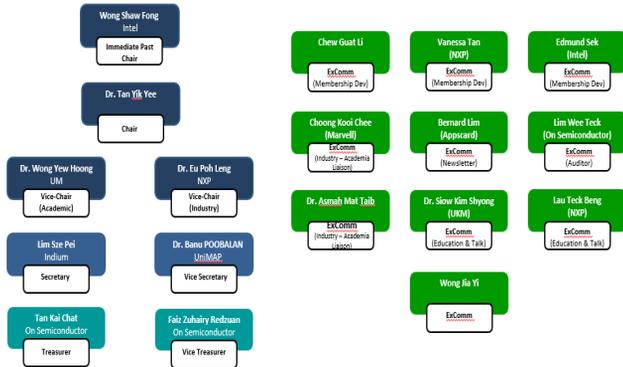


Fig 2: IEEE EPS Malaysia Committee 2022

On 22nd Mar 2022, IEEE EPS Malaysia Chapter, held a webinar talk by UM and NXP. The webinar was moderated by IEEE EPS Malaysia Chapter Vice Chair, Dr Eu Poh Leng. The talk was collaboration between IEEE EPS Malaysia Chapter, NXP and UM. This is indeed a great collaboration between the industry and academia. There were two topics delivered: Topic 1: Flip Chip Die Attach Fluxes from Industry Perspective and Topic 2: Reliability issues related to No-Clean Flux.



IEEE Malaysia Section Newsletter IEEE Electronic Packaging Society

Compiled by Bernard LIM
berna_rd@ieee.org

Best Engineering Student Award (BESA) 2022 for Undergraduate Final Year Project

As previous years, IEEE EPS Malaysia Chapter has a regular flagship “Best Engineering Student Award (BESA) for Undergraduates. This year, IEEE EPS Malaysia Chapter decided to introduce additional two (2) special awards under BESA 2022/2023, namely Prof. K.N. Seetharamu BESA (Thermal Engineering) and Azhar Aripin BESA (Simulation and Modelling).

Both Prof. Seetharamu and Azhar were the among the founding members since the earlier days of IEEE EPS Malaysia Chapter and they have contributed significantly to the chapter.



Prof. Dr. Kankanhalli
Seetharamu

Founder of EPS Malaysia Chair

Kankanhalli N. Seetharamu (SM'03) received the B.E. degree from Mysore University, Mysore, India, in 1960; the M.E. degree from the Indian Institute of Science, Bangalore, in 1962, and the Ph.D. degree from the Indian Institute of Technology (IIT), Madras, in 1973. He was a Professor of mechanical engineering at IIT, Madras, for almost three decades before joining USM, Malaysia in 1998 and left USM in 2004. Dr. Seetharamu was the President of IEEE CPMT Chapter of Malaysia and the Secretary/Treasurer of IMAPS Malaysia Chapter. He was responsible for starting both the IEEE-CPMT and IMAPS chapters in Malaysia.



Azhar Aripin

EMT2008 General Chair
EMT2010 to 2016 Treasurer
IEEE EPS Malaysia Chair and Treasurer

Azhar graduated from the University of Iowa with a Bachelor of Mechanical Engineering in 1992. He started his career as an R&D engineer with Motorola KL, Malaysia. Later, he joined ON Semiconductor Seremban (spin out company from Motorola). He has published numerous publications and filed several patents during his entire career in ON Semiconductor.

Prof. K.N. Seetharamu BESA 2022 Award:

- Must demonstrate exceptional merit, i.e. technical contribution, achievement, or innovation in the niche area of Thermal Engineering for electronic packaging.
- The submitted entry must demonstrate as outstanding work, which have won prize(s) in contest or competition or technical meeting or suite of meetings or have published in a WOS/ISI indexed journal or other related form.

Azhar Aripin BESA 2022 Award:

- Must demonstrate exceptional merit, i.e. technical contribution, achievement, or innovation in the niche area of Modelling & Simulation for electronic packaging.
- The submitted entry must demonstrate as outstanding work, which have won prize(s) in contest or competition or technical meeting or suite of meetings or have published in a WOS/ISI indexed journal or other related form.

IEEE EPS Malaysia Chapter humanitarian effort - Education Support to Azhar Aripin

IEEE EPS Malaysia Chapter Chair, Dr Tan proposed to use the interest from the chapter FD to support Azhar's kids' education, RM3,000 every year for 3 years.

On the 1st April, IEEE EPS vice chair, Dr Eu Poh Leng visited Azhar's wife to present the education fund as well as sharing a little about the purpose of the fund.



IEEE Malaysia Section Newsletter

IEEE Malaysia ComSoc/VTS Joint Chapter

Reported by: Mohamad Yusoff Alias

ComSoc/VTS Annual General Meeting (AGM) 2022 - 13th February 2022 - Hybrid at KLCC/Online

The 2022 AGM was successfully conducted through hybrid mode for the first time.. We have both physical and virtual interactive attendees. New executive committee 2022 was also elected through the hybrid mode. Congrats to all new committee and thank you to the past committee.



Talk on Career as a Software Engineer at Motorola Solutions, 25th February 2022

Career as a Software Engineer at Motorola Solutions

SPEAKER
Mr Tan Chian Ming
Engineering Director
Penang Design Center,
Motorola Solutions (MSI)

Topics covered in the talk:

- The 4 MSI business segments
- Workflow of Motorola - End-to-End Solutions for Public Safety use cases
- Research and Graduate job opportunities in MSI Penang Design Center.

TO JOIN, REGISTER FOR FREE AT: bit.ly/MotorolaTalk

25 FEB 2022 10.30 - 11.30 Live on Google Meet

On 25 February 2022 (Friday), 10.30 am to 11.30 am, a talk by Mr Tan Chian Ming, Engineering Director, Penang Design Center, Motorola Solutions (MSI) was held through Google Platform.

Mini Leadership Camp, 11th-13th March 2022, Novotel KL

A mini leadership camp (MLC) was held from 11-13 March 2022 at Novotel KL for the new committee members to plan activities for 2022.



Tech 'Tarik' Time - Topic: "What is WiFi 6 and WiFi 6E?"

TECH "TARIK" TIME :
WHAT IS WIFI 6 AND WIFI 6E?

SPEAKER
Mr Lee Chang Fatt
Senior Field Marketing Engineer
Anritsu Pte Ltd

Wireless connectivity is gaining a lot of interest at the moment especially with significant advancements in the areas of WiFi 6E and 6G. What is WiFi 6 and 6E, and what will the new standards bring anyway? Join us now to find the new standard for WiFi can offer in terms of faster features and improvements.

17 MARCH 2022
THURSDAY 3:00PM

Facebook Live:
<https://www.facebook.com/mycomvt>

Youtube Live:
<http://shorturl.at/dhsGX>

Tech 'Tarik' Time on the topic "What is WiFi 6 and WiFi 6E?" by Mr Lee Chang Fatt, Senior Field Marketing Engineer, Anritsu Pte Ltd, Singapore. The talk was conducted live on Facebook and YouTube on 17th March 2022 from 3-4pm.

Topic: "From Data Driven to Knowledge Driven technology: The Journey" (A Technical Industry Talk by ZYGY)

A Technical Industry Talk by ZYGY on the topic "From Data Driven to Knowledge Driven technology: The Journey" on 22nd March 2022 from 3-4 pm. The speaker was Mr. Azhar Kassim bin Mustapha, CEO of Nervesis Sdn Bhd.

From Data Driven to Knowledge Driven Technology: The Journey (A Technical Industry Talk by ZYGY)

Talk Abstract
The talk will cover the journey of Nervesis/Zygy from data-driven to knowledge-driven company.

SPEAKER
Mr Azhar Kassim Mustapha
Chief Executive Officer
Nervesis Sdn Bhd

Google Meet: meet.google.com/hde-btkn-wvd

22 MAR 2022 3:00 - 4:00 PM Live on Google Meet

Program Perkongsian Ilmu Sempena Cuti Sekolah (Siri 1-2022) 7-11 Mac 2022

<p>Isnin 7 Mac 2022</p> <p>KLIK DENGAN BIJAK</p> <p>Ts. Md. Tahir Musa Timb. Pengarah, Jabatan Program Komuniti, MCMC</p>	<p>Selasa 8 Mac 2022</p> <p>KOMUNIKASI 5G</p> <p>Prof. Madya Ts. Dr. Mardeni Roslee, Fakulti Kejuruteraan, MMU</p>
<p>Rabu 9 Mac 2022</p> <p>APA ITU RFID?</p> <p>Prof. Dr. Mohamad Yusoff Alias Fakulti Kejuruteraan, MMU</p>	<p>Khamis 10 Mac 2022</p> <p>KEBIMBANGAN MEDAN ELEKTROMAGNET</p> <p>En. Anwar Faiz Osman, Rhode & Schwarz Malaysia</p>
<p>Jumaat 11 Mac 2022</p> <p>INTERNET PELBAGAI BENDA (INTERNET OF THINGS)</p> <p>Dr. Mohd Helmy Abd Wahab, Advanced Telecommunication Research Centre, UTHM</p>	<p>Tonton kami di :</p> <p>Facebook Live: @mycomvt.info</p> <p>YouTube Live: http://shorturl.at/dhsGX</p> <p>✓ Stail Kehadiran ✓ Hadiah Pemenang Kuiz</p>

IEEE Malaysia Section Newsletter

IEEE Dielectrics and Electrical Insulation Society (DEIS)

Reported by: Ir. Ts. Dr. Wong Jee Keen Raymond, Universiti Malaya (wjkraymond@um.edu.my)

Technical visit to UM High Voltage Laboratory

Academic staffs from Universiti Kebangsaan Malaysia (UKM) visited the Universiti Malaya High Voltage Laboratory (UMHVL) at the Department of Electrical Engineering, Faculty of Engineering, Universiti Malaya. The purposes of the visit were to obtain more information regarding setting up a new high voltage lab and to seek advice on the lab safety requirements.

During the visit, the Head of UMHVL, Associate Professor Ir. Dr. Hazlee Azil Illias, who is also the Vice Chair of IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter and the Counselor of IEEE Universiti Malaya Student Branch, introduced the facilities available at UMHVL and explained the activities carried out at the lab and the lab safety requirement. After that, the delegates visited UMHVL to gain a better insight into the lab.



IEEE DEIS Malaysia Chapter 2022 AGM

The 2022 Annual General Meeting (AGM) of the IEEE DEIS Malaysia Chapter was successfully held on 14 February 2022, at UTeM and Webex concurrently. The meeting was attended by active members of IEEE DEIS Malaysia Chapter and chaired by Chapter Vice Chair Assoc. Prof. Ir. Dr. Hazlee Azil Illias.

The meeting began with an opening remark by the Vice Chair, followed by the endorsement of the 2021 AGM minutes and the presentation of the chapter's activities. Next the Treasurer Dr Amir presented account matters. Lastly, a brief planning for the activities in 2022 was discussed.



DEIS IEEEEMY Presence at MyHVnet Colloquium

2022

The 2022 Malaysian High Voltage Network (MyHVnet) Colloquium was successfully held at Universiti Teknikal Malaysia Melaka, on 14 February 2022. The colloquium was held in hybrid mode with a physical session in UTeM and an online session via Webex platform.

The colloquium, co-organised by IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter and MyHVnet, has seen a strong presence of the high voltage community in Malaysia, as well as members of the DEIS Malaysia Chapter.

In the 2022 MyHVnet Colloquium, the topic of interest includes lightning, electromagnetic compatibility, insulation & electrical discharges, conductors & grounding systems, transformers, and other high voltage-related issues. The colloquium, which consisted of 2 keynote speeches and about 60 paper presentations, was an excellent opportunity for researchers and engineers to present and discuss their latest findings. More details about MyHVnet Colloquium are available at <https://ivat.utm.my/myhvnet/news/>



Technical Visit to UKM High Voltage Laboratory

A technical visit to Universiti Kebangsaan Malaysia (UKM) high voltage laboratory was conducted on 17 February 2022. The main purpose of the visit is to provide advice on the suitable locations for the high voltage unit installation. Assoc. Prof Ir Dr Norhafiz Azis (IEEE DEIS), Prof Ir Dr Mohd Zainal Abidin Kadir (IEEE DEIS), Assoc. Prof Dr Jasronita Jasni (IEEE) and En Farizal Muzammil from Universiti Putra Malaysia as well as Ir Dr Aizam Talib from TNB Labs Sdn Bhd visited UKM. The UKM representative were Assoc Prof Dr Ramizi Mohamed, Dr Syahirah Abd Halim, Dr Nor Azwan Mohamed Kamari, Dr Yushaizad Yusof.



IEEE Malaysia Section Newsletter IEEE Circuits and System(CAS)

Reported by Ts. Dr. Luthffi Idzhar Ismail(luthffi.ismail@upm.edu.my)

South East Asia on Circuits and Systems 2021 (SEACAS 2021) & Student Hackaton

IEEE Circuits and Systems Society (CASS) Singapore Chapter has successfully organized a 2-day event on 28-29 March 2022 for South East Asia on Circuits and Systems 2021 (SEACAS 2021) and Student Hackathon. The SEACAS 2021/Student Hackathon event was postponed from the year 2021 to the year 2022 due to the COVID-19 pandemic. It took place at Nanyang Technological University, Singapore. 4 chapters from South East Asia (i.e., Singapore, Malaysia, Indonesia, and Vietnam) participated in the physical event, with 20 participants on the first day and 35 participants on the second day.

For the Student Hackathon, 17 students participated in the event. Six out of 17 students were from Malaysia, Indonesia, and Vietnam; each chapter had two student representatives. The remaining 11 students were from Singapore. To cultivate collaboration and culture exchanges, seven groups formed consisted of students from different countries. This year's Hackathon's theme was Sustainable Environment Development on Circuits and Systems. The students were first given a half-day tutorial briefing to learn how to program an Arduino board, and after that were tasked to make a prototype to solve an engineering problem related to the theme. The best project prize went to a team consisting of a Singapore student, Ms. Wang Jihan, and a Malaysia student, Mr. Kavieraj A/L Anbualagan.

For the SEACAS 2021, there were eight presentations (two each from Singapore, Malaysia, Indonesia, and Vietnam). The speakers were Prof Bihan Wen (Singapore), Dr Anh-Tuan Do (Singapore), Prof Maryam Binti Mohd Isa (Malaysia), Prof Tutun Juhana (Indonesia), and Mr Manh-Hiep Dao (Vietnam). CASS SEA ambassador Prof. Fakhru Zaman Rokhani gave the opening remark and finally, Prof Yoshifumi Nishio gave a closing remark (via teleconferencing) to all the SEACAS 2021/Student Hackathon participants.

Prepared by: Kwen-Siong Chong, Tong Ge, Mohd Nazim Mohtar



Guest-of-Honour: IEEE Fellow-Prof Lap-Pui Chau (front: left 4), Singapore Chapter Chair: Dr. Yi Wang (front: right 5), and all the student participants

Annual General Meeting 2022

The IEEE Circuits and Systems Malaysia Chapter Annual General Meeting was successfully held on the 22nd January 2022 in Le Meridien Putrajaya.

New committee member was elected as follows: .

- Mohd Amrallah Mustafa (Chair)
- Tang Tong Boon (Past Chair)
- Asral Bahari Jambek (Vice Chair)
- Haslina Jaafar (Secretary)
- Lee Lini (Treasurer)
- Suhaidi Shafie (Executive Committee)
- Maryam Mohd Isa (Executive Committee)
- Mohd Tafir (Executive Committee)
- Luthffi Idzhar Ismail (Executive Committee)
- Fakhru Zaman Rokhani (Executive Committee)
- Mohd Nazim Mohtar (Executive Committee)
- Harikrishnan Ramiah (Executive Committee)



Best Project Awardees :

Ms. Wang Jihan (Singapore) & Mr. Kavieraj A/L Anbualagan (Malaysia) with their Prototype



IEEE Malaysia Section Newsletter IEEE Oceanic Engineering Society (OES)

Reported by: Zainah Md. Zain, Mohd Shahrieel Mohd Aras, Ahmad Faisal Mohamad Ayob and Fauzal Naim Zohedi

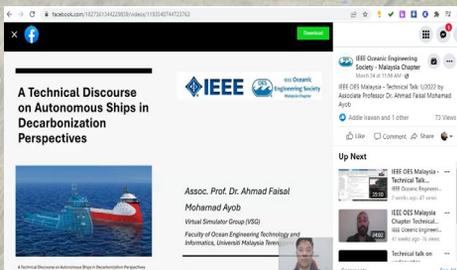
(zainah@ump.edu.my, shahrieel@utem.edu.my, ahmad.faisal@umt.edu.my, xxxx)

1st Technical Talk 2022: A Technical Discourse on Autonomous Ships in Decarbonization Perspective

The IEEE OES was organized the 1st Technical Talk 2022 virtually in FB live at IEEE Oceanic Engineering Society – Malaysia Chapter. The talk was presented by Assoc. Prof. Dr. Ahmad Faisal Mohamad Ayob from Faculty of Ocean Engineering Technology and Informatics, Universiti Malaysia Terengganu (UMT).

This technical talk discussed a technical discourse on autonomous ships in decarbonization perspective. Decarbonizing shipping efforts, which has become the global focus in the year 2020 towards 2050 calls for the adoption of intelligence systems. This relates to myriad of systems including both power generation and navigation. Despite of the projected growth in global seaborne trade, shipping global emission are expected to increase.

In this talk, the audience was exposed with the global direction of decarbonization efforts, its relationship with the Sustainable Development Goals and its relationship with autonomous ships. Later, the technical aspects of the autonomous surface vehicle shall be demonstrated. While the world is moving towards the application of robotics, the internet of things (IoT), intelligent vehicles, smart underwater solutions, it is envisaged that the field of Oceanic Engineering and Technology bears a huge potential to push the barriers of the discipline concerning the challenges it faced.



2nd Technical Talk 2022: System Identification Modelling using MATLAB

The 2nd Technical Talk was organized by IEEE OES was presented by Ir. Fauzal Naim Zohedi from Faculty of Electrical Engineering, Universiti Teknikal Malaysia Melaka (UTeM). He is the PhD student at Unmanned System Technology (UST) Research Lab. His talk was held virtually in FB live at IEEE Oceanic Engineering Society – Malaysia Chapter.

During the talk, he explained on how to model heave or vertical movement of an underwater Remotely Operated Vehicle (ROV) using MATLAB Simulink. The model generated was used to design a controller for depth control. The presentation consists of 6 topics which are SI concept, hardware configuration, software configuration, generated model verification, controllability check and controller implementation. This presentation also provides a demonstration on how to use MATLAB System Identification (SI) which will help in modelling any system.



IEEE Malaysia Section Newsletter

IEEE Sensors & Nanotechnology Council Malaysia Joint Chapter (SNCMJC)

Reported by: Hasnizah Aris
hasnizah@unimap.edu.my

Annual General Meeting (AGM) 2022

On 18th February 2022, an Annual General Meeting (AGM) for the IEEE Sensors and Nanotechnology Council Malaysia Joint Chapter (SNCMJC) was held through a hybrid platform. A total of 16 members attended the AGM at Marina Island Pangkor Resort & Hotel, Lumut, Perak and 5 more members attended the AGM through video conferencing. The meeting started-off with the 2021 Chair, Assoc. Prof. Dr. Zainal Arif Burhanudin welcoming all members and informed that the meeting will have nomination and election of the new Main & Executive Committee for 2022-2023 session. The meeting then proceeded with the confirmation of the minutes of the previous AGM and the presentation of the Chapter's Report for the 2021 session, which include the Chapter's Activities and the Treasurer's Report. The chair then announced the dissolution of the 2021 IEEE SNCMJC Main & Executive Committee members and chaired the election of new Main & Executive Committee members as the past chair. The new 2022/2023 Main Committee members are: Chair (Dr Syarifah Norfaezah Sabki), Vice-Chair I & II (Assoc. Prof Dr Asrulnizam Abd Manaf & Dr Mohd Natashah Norizan), Secretary I & II (Dr Hasnizah Aris & Dr Nurjuliana Juhari) and Treasurer I & II (Dr. Illani Mohd Nawi & Dr Norhayati Sabani). Besides that, 11 Executive Committee members were also elected during this AGM. The new chair then chaired the meeting and thanked the past chair and his dedicated team for their contribution in managing and conducting all the activities in 2021. The SNCJMC members also had a chance to get together through BBQ session at night.



IEEE Malaysia Section Newsletter

IEEE Power Electronics Society Malaysia Chapter (PELS)

Reported by: Chuen Ling Toh (chuenling@uniten.edu.my)

IEEE PELS Malaysia Chapter Annual General Meeting 2022

The IEEE PELS Malaysia Chapter 9th Annual General Meeting (AGM) was held online through Webex platform on February 12, 2022. Thirteen PELS members from all over Malaysia attended the meeting.

The AGM is initiated with a short welcoming speech delivered by 2021 Chapter Chair, Dr. Rahimi Baharom. He then presented the minutes of the previous AGM and Chapter's annual report of year 2021 to all members. Subsequently, the 2021 Chapter Secretary, Dr. Ramani Kannan, and Treasurer, Dr. Shamsul Aizam Zulkifli, had reported all events/activities conducted throughout the year of 2021 with financial details. With the confirmation of all the reports, 2021 chapter chair had announced the dissolution of 2021 executive committee.



Attendees of the 9th AGM of IEEE PELS Malaysia Chapter

The new executive committee election is conducted by temporary chair, Dr. Nor Zaihar Yahaya. Two candidates are nominated for each committee position. As a result, Dr. Ramani Kannan (Chair) and Dr. Shahrin Md Ayob (Vice-Chair) are elected to lead the new 2022

PELS Malaysia Chapter Strategic Planning 2022

IEEE PELS Malaysia Chapter had a strategy planning meeting held on 19th March 2022 virtually. All executive committee members joined the two hours meeting with fruitful discussion on 2022 strategy plans.



Attendees of PELS Malaysia Chapter Strategy Planning 2022 Meeting

The Ex-comm. had planned to invite two PELS Distinguished Lecturers for organizing IEEE PELS Distinguished Lecturer Program. Besides, the committee will organize some National Lecturer Programs bi-monthly. In addition, some local and international experts will be invited to conduct a series of free

technical webinars and online workshops. In April 2022, Professor Yaow-Ming Chen, who is the Editor-in-Chief of Trans. on Power Electronics, will deliver a technical webinar. Whereas, A. P. Ts. Dr. Shahrin Md Ayob, Vice-Chair of PELS Malaysia Chapter, will conduct a free online workshop for undergraduate students. In December 2022, IEEE PELS Malaysia Chapter will co-organized IEEE International Conference on Power and Energy (PECon2022).

IEEE PELS Malaysia Chapter Strategic Planning 2022

2022 PELS Malaysia Chapter Ex-Comm.

IEEE PELS MALAYSIA CHAPTER EXECUTIVE COMMITTEE 2022

Chair Ramani Kannan ramani.kannan@uniten.edu.my	Vice Chair Shahrin Md Ayob shahrin@fku.unim.my	Past Chair Rahimi Baharom rahimi627@unim.edu.my	Secretary Chuen Ling Toh chuenling@uniten.edu.my	Treasurer Acmarsyahudin Ponniran ponnar@fku.unim.edu.my	Excomm. Mohd Amran Mohd Hadzi amranm@fku.unim.edu.my
Excomm. Khairul Muhammadi khairulmuhammadi@unim.edu.my	Excomm. Nor Zaihar Yahaya nozaihar_yahaya@fku.unim.edu.my	Excomm. Chee Wei Ton cheewei@fku.unim.edu.my	Excomm. Razman Ayop razman.ayop@fku.unim.edu.my	Excomm. Nik Rumzi Nik Idris nikrumzi@fku.unim.edu.my	Excomm. Shamsul Aizam Zulkifli shamsul@fku.unim.edu.my
					Excomm. Noor Syafawati Ahmad noorsyafawati@fku.unim.edu.my

April 2022 Public Technical Webinar

IEEE PELS MALAYSIA CHAPTER PUBLIC TECHNICAL WEBINAR

POWER DECOUPLING STRATEGY FOR PV MICRO-INVERTERS

The micro-inverter has many advantages for the solar power generation, such as installation convenience and low shading effect. However, due to the nature of DC-AC power conversion, the double line frequency voltage ripple at the DC side will reduce the efficacy of the maximum power point tracking of the PV panel. Traditionally, an electrolytic capacitor (e-cap) with large capacitance is required to mitigate the double line frequency voltage ripple at the PV terminal. However, the short life time of the e-cap reduces the reliability of the PV micro-grid dramatically. One of the possible solutions to eliminate the double line frequency voltage ripple is to decouple the AC and DC components with power decoupling strategy. In this talk, the need of power decoupling for PV micro-inverters will be introduced first. Different approaches for the power decoupling strategies will be presented followed by a novel one proposed by the speaker.

16 APRIL 2022, SATURDAY
11.00 AM – 12.00 PM (MALAYSIA TIME)

Co-Sponsor:

Organizer:

Editor-in-Chief: **PROF YAOW-MING CHEN, IEEE**
IEEE Trans. on Power Electronics
National Taiwan University, Taiwan

QR codes for registration and live streaming.

April 2022 Online Workshop

Online Workshop

MATLAB SIMULINK IN POWER ELECTRONICS FOR UNDERGRADUATES

Date: 15 April 2022 (FRIDAY)
Time: 9.00 am – 10.30 am
Platform: Webex (the link will be emailed to the registered participants)

Organizer: IEEE PELS MALAYSIA CHAPTER

Scan to register

IEEE Malaysia Section Newsletter IEEE UTP STUDENT BRANCH

Reported by Ong Wei Ling (wei_19001359@utp.edu.my)

Webinar on Technical and Research Paper Writing and Publishing

Webinar venue: Microsoft Team, Universiti Teknologi PETRONAS, Malaysia. 26th February 2022. Chair IEEE UTP Student Branch Engr. Ghulam E Mustafa Abro and Mr. Nirbhay Mathur (former IEEE UTP SB Secretary 2018) have been invited by IEEE Nigeria Section to talk over two different technical topics. The event was also supported by IEEE Robotics and Automation Society - Malaysia Chapter.

Mr. Abro is pursuing his PhD studies at Department of Electrical and Electronic Engineering at Universiti Teknologi PETRONAS, Malaysia whereas Mr. Mathur is working as Research Scientist at Research, Innovation & Commercialization.

IEEE UTP SB Organizes ISDP Competition 2022

Competition venue: Physical, Universiti Teknologi PETRONAS, Malaysia. 24th and 25th March 2022. ISDP Competition 2022 has been organized mutually by Electrical and Electronic Engineering Department UTP and IEEE UTP SB on 24th and 25th March 2022. Realizing the significance of technical skill set, IEEE UTP Student Branch supported and sponsored the cash prizes for this Competition. Here are few glimpses of this competition.



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MODERATOR



- Engr. Ugomma Deborah Ogu
- Software Engineer
- IEEE Students Activities chair, Nigeria Section

SPEAKER



- Engr. John Funso Adebayo
- Chair, IEEE Nigeria Section

SPEAKER



- Mr. Nirbhay Mathur
- HRDF trainer, Data Scientist consultant
- Research Scientist
- Universiti Teknologi PETRONAS, Malaysia

SPEAKER



- Engr. Ghulam E Mustafa Abro
- Graduate Research Assistant
- Center for Automotive Research & Electric Mobility (CAREM)
- Universiti Teknologi PETRONAS, Malaysia



Saturday, 26 FEB 2022

11:30am WAT

Online zoom

Mr. ABRO CLINCHED BEST STUDENT VOLUNTEER AWARD (2nd Runner Up)

Venue: KLCC, Malaysia. 18th February 2022. Engr. Ghulam E Mustafa Abro former Secretary and current Chair of IEEE UTP Student Branch had been awarded with IEEE Best Outstanding Student Volunteer - 2nd Runner up at IEEE Malaysia Section. The award was given to Mr. Abro by Dr. Md. Pauzi Abdullah who is the chair IEEE Malaysia Section and Associate Professor at Universiti Teknologi Malaysia.



IEEE Malaysia Section Newsletter

IEEE PES Day 2022

Reported by Haroon Rashid (iamharoon@ieee.org)

Powering a Sustainable Future

Power and Energy Society (PES) is the IEEE's second-largest and oldest society. Our members have access to one of the largest and most prestigious forums to discuss the latest developments in the electric power industry and the benefits that they may provide to society as a whole. We also look at how our members can contribute to addressing existing and emerging technology challenges.

Former IEEE PES President Wanda Reder announced the new name of PES - Power and Energy Society in 2008 during the IEEE PES Transmission and Distribution Conference in Chicago, Illinois. This day has been officially commemorated as "PES Day" for the past four years.

Each year, a theme is chosen, and PES members are invited to participate in celebrations that include educational and humanitarian activities, youth programmes, and technical contests.

PES Day goal is to engage the PES volunteers with PES history and "5" PES pillars of the "More Power to the Future" vision:

- Advancing Global Participation
- Educating the Future Workforce
- Industry Activity Trends
- Standards Leadership
- Participating in Regulatory Initiatives

PES Day is a great opportunity to engage with a worldwide network of IEEE members, PES volunteers, and PES Young Professionals who can help enhance PES Day's Technical, Social, Humanitarian, Women in Power, and Young Professional Activities.

I would like to encourage all IEEE Members in Malaysia to join me in advocating for a sustainable future powered by clean and resilient power and energy technology.

Haroon Rashid, PhD, SMIEEE
Regional Lead (Asia Pacific)
IEEE PES Day 2022

Fossil fuel combustion accounts for more than half of global emissions of greenhouse gases. Transportation, building, and industry all contribute significantly to global carbon dioxide emissions. The answer to the climate change challenge, attaining common goals, and making the transition to a safe and sustainable future lies in a clean energy transition and net-zero transformation.

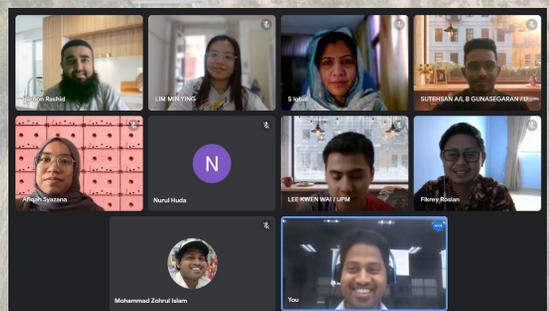
It is our responsibility to educate the public about the solutions and technological advances that are reducing global warming as the society that oversees energy production from a technological standpoint. The theme of the 5th IEEE PES DAY is "**Powering a Sustainable Future**".



Meet the team!

Congratulations to the following individuals on their appointment as the IEEE PES Day 2022 Ambassador of IEEE Malaysia Section!

No.	PES Day 2022 Ambassadors	Affiliation
1	Mohammad Zohrul Islam	UPM
2	Lee Kwen Wai	UPM
3	Sutehsan Gunasegaran	UPM
4	Min Ying Lim	MMU
5	Mohammad Fikrey	UTHM
6	Nurul Afiqah Syazana Mohd Jafri	UNITEN
7	Nurul Huda Abdul Razak	UKM
8	Sarah Iqbal	UM



Upcoming Conferences & Workshop



2022 IEEE 13TH CONTROL & SYSTEM GRADUATE RESEARCH
COLLOQUIUM (ICSGRC 2022)

23rd July 2022, Shah Alam, Malaysia

2022
ICSSA



2022 IEEE INTERNATIONAL CONFERENCE ON
SEMICONDUCTOR ELECTRONICS (ICSE 2022)

15 - 17 AUGUST 2022

ICSE 2022

Virtual

CONFERENCE



2022 IEEE Symposium on Wireless Technology & Applications

Expanding Horizon Beyond Boundaries

17-18 August 2022, Virtual Conference

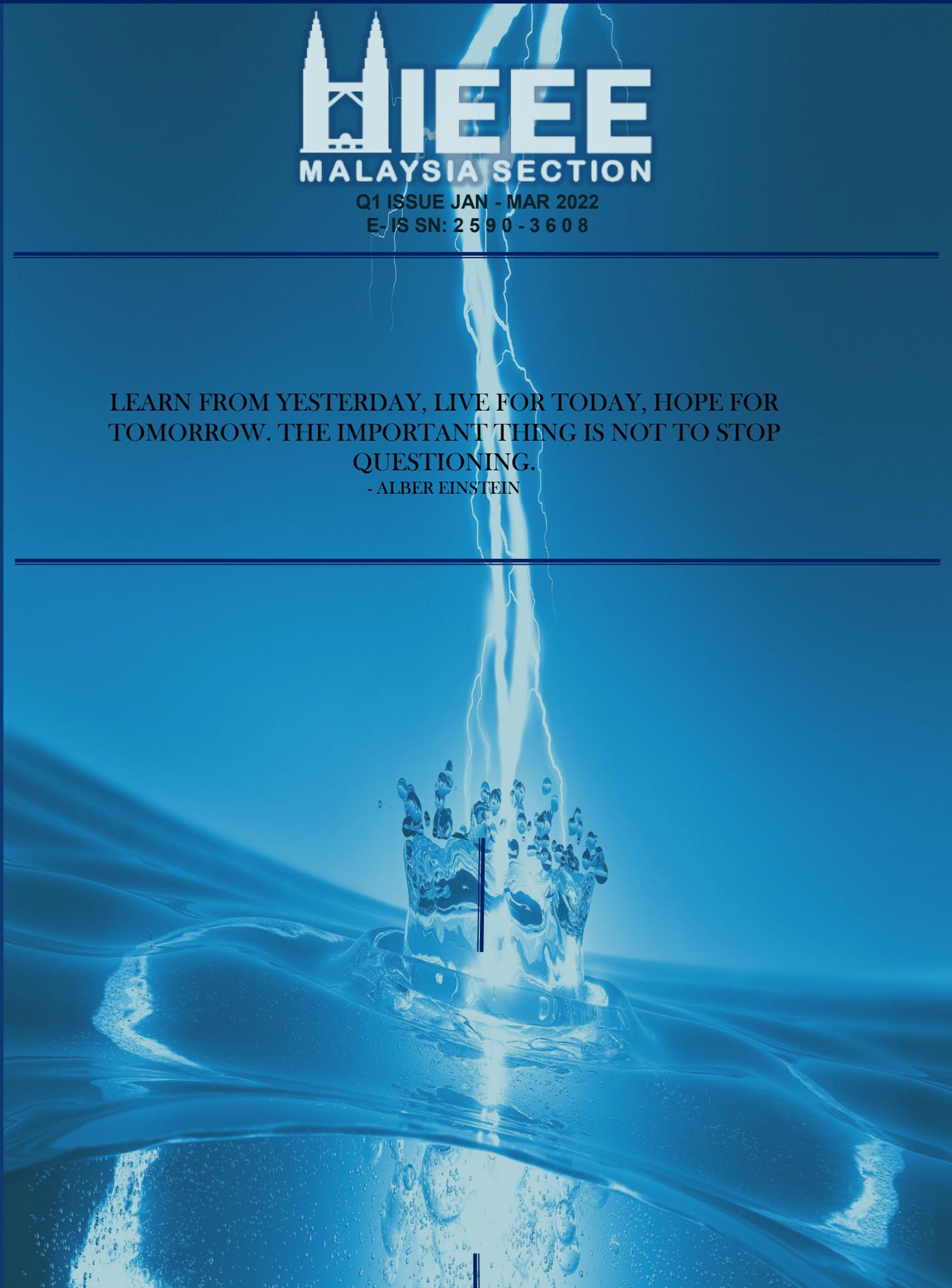


IEEE
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IEEE
PECon 2022
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IEEE MALAYSIA SECTION

Q1 ISSUE JAN - MAR 2022

E-ISSN: 2590-3608

LEARN FROM YESTERDAY, LIVE FOR TODAY, HOPE FOR
TOMORROW. THE IMPORTANT THING IS NOT TO STOP
QUESTIONING.

- ALBER EINSTEIN
