



Q2 2025: NEWSLETTER

"Beyond IEEE Malaysia Section Inspiration"



<https://ieeemy.org/malaysiasection/>

Table of Contents



Words from IEEE
Malaysia President



Previous events by IEEE
Malaysia Chapters



Awards and Recognitions



Future events



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Greetings to all IEEE Malaysia Section Members



It is again time for me again to pen down a few words for this coming newsletter. I pray that everyone is well and safe.

Firstly, I would like to recognize the newsletter editorial team led by Dr Shamsul who had been for working very hard and persistently pushing and finally come out with this **Q2** edition of newsletter under IEEE Malaysia Section. I would also like to thank all the contributors of this newsletter. Without all your contribution there is will not be any newsletter. The newsletter is one of my tools that I would continue to use in keeping our members abreast of what is happening.

I am very happy that the various IEEE Malaysia Section Standing Committee has been working very hard to organize various activities, for all your members. This year in Oct 2025, IEEE Malaysia Section together with IEEE Sabah Sub-section will be hosting **IEEE R10 TENCON 2025**.

This year IEEE Malaysia Section is celebrating our **40th anniversary established in 1985**. It has started with only 13 members from the industry and academia and had now grown to over 3,000 active members. IEEE Malaysia Section aligns with the IEEE mission to advanced technology for humanity's benefit by fostering innovation, supporting members' careers, and building communities. Its specific vision focuses on leveraging technology for sustainable development, promoting collaboration, and creating impactful technological solutions for the betterment of society.

I hope that with better communication it will surely drive towards a better networking, cooperation and integrating between the section and the chapters.

The IEEE Malaysia Section is rated as active section in Region 10 in order to conduct conferences and participate to be any events or programs been conducted in Region 10. Thus, this newsletter is an effort to further improve our communication and collaboration to achieve a world-class organization to benefit Malaysia and Region 10. Finally, I wish all of you good luck and all the best at this time.

Before I end my message, I would like to leave with the following quote, **"The strength of the team is each individual member. The strength of each member is the team."** — Phil Jackson

From Ir Dr Bernard Lim

Technical Visit to Cell Agritech Sdn. Bhd.

IEEE MY Section co-organised a technical visit to Cell Agritech Sdn. Bhd., located in Perai, Penang. The technical visit consists of a technical talk on the latest bioprocess system, a visit to the R&D facility and a discussion on the way forward of the future food industry.

Cell Agritech features a first large-scale cultivated meat production facility in Penang, featuring highly engineered bioprocess systems and quality-controlled automation for scalable output. This modern and state-of-the-art facility integrates precision engineering with sustainable energy solutions, making it a model for future food production systems. Cell Agritech also actively contributes to national R&D efforts, collaborating with government agencies and religious bodies to support the development of halal-certified cultivated meat and advance Malaysia's role in food-tech innovation.

Technical Visit

**Organizer : IEEE Malaysia
Section**

Date:

18 July 2025

Time:

08:45 am - 12:30 pm

Location:

Cell Agritech Sdn. Bhd.
3014, Jalan Kelasah
Bandar Seberang Jaya
13700 Perai, Penang



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Greentech Growth Combining Solar Energy and Hydroponic Exposure at SMK Mutiara Rini, Johor

IEEE Malaysia Section IEEE Power & Energy Society

The Knowledge Transfer Program (KTP): Greentech Growth Integrated with IoT Smart Agriculture was successfully organized at Sekolah Menengah Kebangsaan (SMK) Mutiara Rini involving close to 50 participants. This impactful event was a collaborative effort by the IEEE Malaysia Section, IEEE Humanitarian Technologies Board, IEEE PES Malaysia Chapter, and the Centre of Electrical Energy Systems, University Teknologi Malaysia with support from IEEE Tech4Good and the Institute of High Voltage and High Current. The equipped students with knowledge of green technology and smart agriculture, emphasizing the integration of solar energy and hydroponic farming. Participants expressed their enthusiasm for future events, highlighting their newfound interest in sustainable technology and IoT applications. The Knowledge Transfer Program successfully inspired the next generation to explore green innovations and contribute towards a more sustainable future

Knowledge Transfer Program (KTP): Greentech Growth Integrated with IoT Smart Agriculture

Date:
25 February 2025

Time:
08:00 - 13:00

Location:
Sekolah Menengah Kebangsaan
Mutiara Rini, Johor



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IEEE Standard Association visits Tenaga Nasional Berhad

IEEE Malaysia Section IEEE Power & Energy Society

A team from IEEE Standard Association (SA) led by Tony Zertuche together with IEEE Malaysia Section Chair Dr. Bernard Lim together with IEEE PES Malaysia Section Committee Affiezal Adnan and Michael Joseph had a meeting with Tenaga Nasional Berhad (TNB) team from the Strategy and Venture Division led by Datin Ir. Ts. Nor Ziha binti Zainol Abidin.

The meeting was with the objective to seek possible collaborative opportunities between TNB and IEEE SA with regards to the standards used in various areas within TNB. The IEEE SA team shared with TNB on the various Energy Standards available. This brought towards interesting discussions on potential use of IEEE standards within TNB. A sharing was also given on IEEE SA- Industry Connection program and its benefits for global networking.

IEEE Standard Association Representative's visit to Tenaga Nasional Berhad

Date:

8 April 2025

Time:

09:00 - 11:00

Location:

Platinum Building, Tenaga
Nasional Berhas



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Beyond Fossil Fuels

IEEE Malaysia Section IEEE Power & Energy Society

A webinar titled 'Beyond Fossil Fuels' was organized by the IEEE Power & Energy Society (PES) and IEEE UiTM Student Branch to raise awareness about the transition from fossil fuels to renewable energy. A total of 60 university students joined the webinar.

The speaker, Ts. Dr. Nik Hakimi Bin Nik Ali, a lecturer at UiTM and a Graduate Member of the Board of Engineers Malaysia (BEM), discussed green technology advancements, challenges in the renewable energy sector, and steps toward a sustainable future.

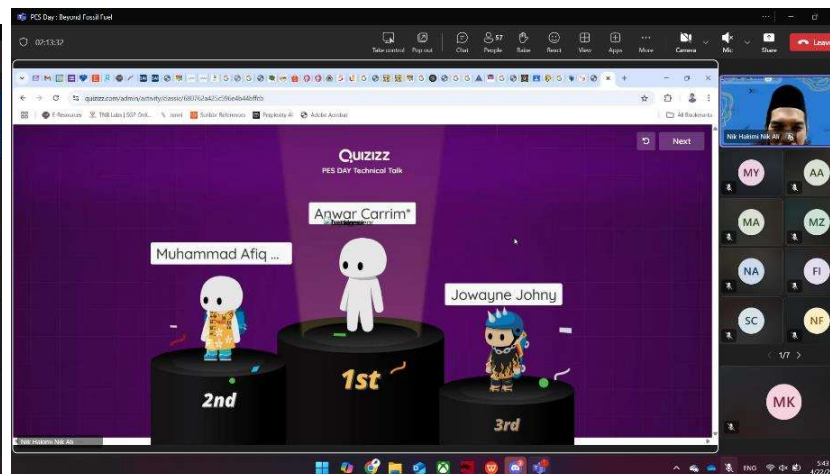
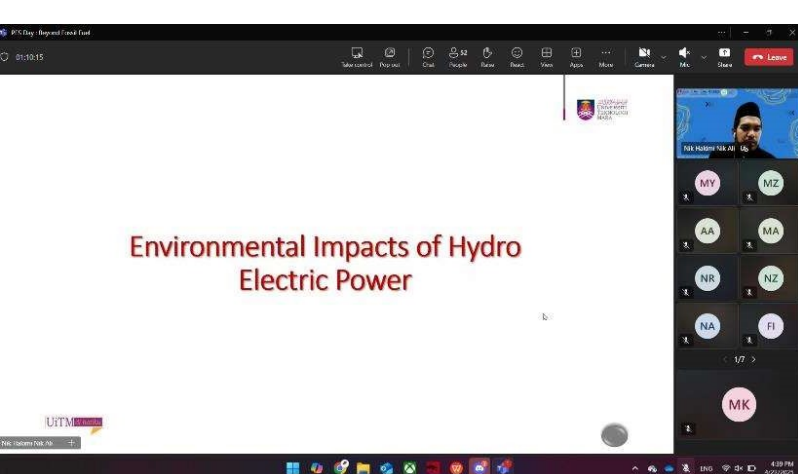
After the webinar, a quiz session was conducted. Three winners from the quiz were given free IEEE PES membership. The event supports PES Day's goal of promoting clean energy and global energy sustainability.

PES Day: Beyond Fossil Fuels Webinar

Date:
22 April 2025

Time:
16:00 - 18:00

Location:
Virtual via MS Teams platform



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Planting Trees on PES Day

IEEE Malaysia Section

IEEE Power & Energy Society

IEEE Power & Energy Society (PES) and IEEE UiTM Student Branch, in collaboration with UiTM Green Centre, successfully organized a tree-planting program in conjunction with IEEE PES Day 2025. Held at the main entrance field of UiTM Shah Alam, the event raised environmental awareness and encouraged sustainable practices within the campus community.

A total of 35 participants, including IEEE UiTM Student Branch members, IEE PES members and UiTM faculty members, participated by planting trees to enhance the greenery and biodiversity of the university surroundings. The trees were sponsored by IEEE PES members. This initiative supports global Sustainable Development Goals (SDGs) including Climate Action, Life on Land and Partnership for the Goals.

PES Day: Tree Plantation Drive

Date:
24 April 2025

Time:
08:00 - 10:00

Location:
Main Entrance Field, Universiti
Teknologi MARA (UiTM),
Shah Alam, Selangor



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IoT Smart Farming in School

IEEE Malaysia Section
IEEE Power & Energy Society

The Knowledge Transfer Program (KTP): IoT Smart Farming was successfully organized at Sekolah Menengah Kebangsaan (SMK) Mutiara Rini. This was a collaborative effort by the IEEE Malaysia Section, IEEE Humanitarian Technologies Board, IEEE PES Malaysia Chapter, and the Centre of Electrical Energy Systems, Universiti Teknologi Malaysia with support from IEEE Tech4Good. The program transferred knowledge and skills related to microcontroller programming and Internet of Things (IoT) systems to the school's community. The project further focused on implementing an IoT-based system to manage a hydroponic setup at the school, encouraging the adoption of smart agriculture technology. The project also evaluated the knowledge and awareness of teachers at Sekolah Menengah Kebangsaan Mutiara Rini regarding hydroponic systems and their practical applications. After finishing the modules, an assessment was completed to check comprehension.

Knowledge Transfer Program: IoT Smart Farming

Date:
28 May 2025

Time:
11:00 - 13:00

Location:
Sekolah Menengah Kebangsaan
Mutiara Rini, Johor



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Blackout in Spain and Portugal: What do we know so far?

IEEE Malaysia Section IEEE Power & Energy Society

On Monday, 28 April 2025, at 12:33 CEST, a major power blackout occurred across the Iberian Peninsula affecting mainland Portugal and peninsular Spain, where electric power was interrupted for about ten hours in most of the Peninsula and longer in some areas. This event happened with no warnings and many questions arose on its cause.

Through this webinar, given by Dr. Luis Badesa from Technical University of Madrid (UPM) and Visiting Researcher at Imperial College London, interesting insights was shared on the causes and impacts of the blackout event. Dr Badesa also highlighted key lessons learnt for future grid resilience to all the 100 participants who joined this webinar.

Webinar: Blackout in Spain and Portugal - What do we know so far?

Date:
4 June 2025

Time:
15:00 - 16:00

Location:
Virtual via MS Teams platform



IEEE Advancing Technology for Humanity
IEEE PES Power & Energy Society MALAYSIA CHAPTER
TNB RESEARCH

TECHNICAL WEBINAR

Blackout in Spain and Portugal: What do we know so far?

WEDNESDAY, 4 JUNE 2025
3.00 PM - 4.00 PM (MYT)

Prof. Badesa will share his expert insights into the recent blackout events affecting Spain and Portugal, exploring causes, impacts, and key lessons for future grid resilience.

Luis Badesa is an Associate Professor in Electrical Engineering at the Technical University of Madrid (UPM) and a Visiting Researcher at Imperial College London.

Speaker
Associate Professor Dr. Luis Badesa

This webinar is free and open to all

Register Now ! **Webinar link**



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Empowering Young Communities with Climate Change and Renewable Energy Awareness

IEEE Malaysia Section
IEEE Power & Energy Society

Transition to low-carbon society is essential to ensure an environmental sustainability in the future. This programme is one of the essential initiatives to educate and empower the young communities such as primary and secondary schools with the necessary knowledge and information to understand the impacts of climate changes and the state-of-the-art technologies such as renewable energy and energy storage.

In this workshop, 40 school students from Sang Ming Primary School experienced hands-on activity to demonstrate the direct application of solar energy in powering lights.

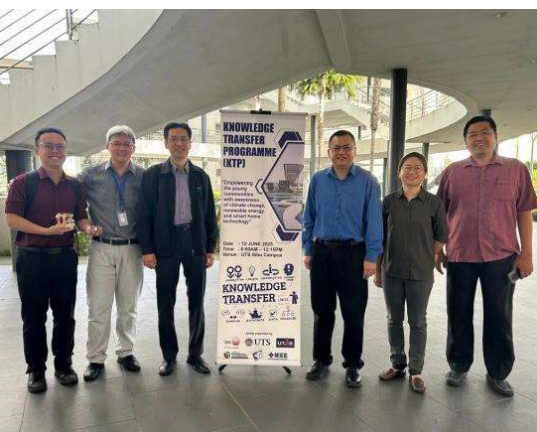
By educating and promoting the awareness of individuals at their young age, we are building up an environmentally minded society to sustain a green environment for the generations to come.

Empowering the young communities with awareness of climate change and renewable energy

Date:
12 June 2025

Time:
09:00 - 14:00

Location:
University Technology Sarawak



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2025 IEEE Vision, Innovation, and Challenges (VIC) Summit and Honors Ceremony

IEEE Young Professionals Malaysia was honored to be represented at the 2025 IEEE Vision, Innovation, and Challenges (VIC) Summit and Honors Ceremony in Tokyo, Japan by Ts. Dr. Noor Ropidah Bujal, Chair of IEEE YP Malaysia 2025. The summit brought together global thought leaders, innovators, and early-career professionals to explore cutting-edge technologies and recognize outstanding contributions to engineering. The IEEE Young Professionals Laureate Forum enabled young leaders to exchange insights, discuss global challenges, and build meaningful international connections.

This experience reaffirmed IEEE YP Malaysia's dedication to professional growth, leadership development, and global engagement. The inspiring sessions emphasized the importance of collaboration, purpose-driven innovation, and ethical leadership in advancing technology for humanity. Heartfelt appreciation is extended to IEEE, Region 10, and IEEE Malaysia Section for the opportunity and continued support.

IEEE Malaysia Section

 **IEEE**
young professionals
2025 IEEE VIC Summit
& Honors Ceremony

Date:
23-24 April 2025

Time:
0900 - 2130

Location:
Hilton Hotel Tokyo-Odaiba,
Tokyo, Japan

Prepared by:
Noor Ropidah Bujal
noorropidah@puo.edu.my



Empowering Future Engineers: Mastering the Essential of Electrical Circuit Analysis

On 17 May 2025, the Department of Electrical Engineering, Politeknik Ungku Omar (PUO), in collaboration with Program Studi Tekno, Universitas Dian Nusantara (Indonesia) and IEEE Young Professionals Malaysia, successfully organized the hybrid mode event, on Empowering Future Engineers: Mastering the Essential of Electrical Circuit Analysis. The hybrid program featured a talk by Mr. Sulistyo Widodo, from Universitas Dian Nusantara, who shared his expertise in Electrical Circuit Analysis with 126 participants from Malaysia and Indonesia. Beyond technical knowledge, the program also promoted IEEE Young Professionals as a platform for students and lecturers to engage in research, access global seminars, and exchange innovative ideas.

The program also featured a sharing by Dr. Noor Ropidah Bujal on insights from the IEEE VIC Summit and opportunities for IEEE travel grants that empower students and young professionals. This initiative not only broadened participants' technical and global perspectives, but also reinforced the core aim of IEEE Young Professionals, to connect, inspire, and empower the next generation of engineers through knowledge, collaboration, and professional growth.

IEEE Malaysia Section



Engineers: Mastering the Essential of Electrical Circuit Analysis

Date:
17th May 2025

Time:
0830 - 1230

Location:
Online via Google Meet

Prepared by:
Noor Ropidah Bujal
noorropidah@puo.edu.my



IEEE Young Professionals Malaysia Technical Talk 2025

IEEE Malaysia Section



IEEE Young Professionals Malaysia successfully organized a Technical Talk 2025 on 24th May 2025 (Saturday) via Zoom Meeting, attracting 77 participants including young professionals, academics, and students.

Held under the theme “Engineering a Better Tomorrow: Shaping Humanity Through Technology,” the event featured three inspiring speakers: Dr. Aishwarya Bandla, Dr. Noor Ropidah Bujal, and Dr. Aashir Waleed. Dr. Aishwarya Bandla highlighted her impactful journey in biomedical engineering, while Dr. Aashir Waleed shared how purposeful innovation in engineering can address global challenges. Dr. Noor Ropidah Bujal brought a unique perspective by sharing her experience attending the VIC Summit Japan 2025, offering insights into international collaboration, innovation culture, and the importance of global exposure for young engineers.

The session emphasized how technology, when guided by purpose and collaboration, can meaningfully uplift communities. Participants engaged actively through Q&A, reflecting genuine interest and inspiration. The talk successfully ignited thoughtful conversations and encouraged attendees to pursue technology with a greater sense of purpose.

IEEE Young Professionals Malaysia Technical Talk 2025

Date:
24 May 2025

Time:
14:00 - 17:00

Location:
Online via Zoom Meeting

Prepared by:
Nur Atharah Kamarzaman
nuratharah.kz@gmail.com



IEEE Malaysia Section

INDUSTRY CAREER TALK From Earth to Orbit: Career Paths in the Space Industry

IEEE Young Professionals Malaysia recently organized an inspiring career talk exploring opportunities in the global space sector. The session highlighted how Malaysian engineers are contributing to satellite systems, aerospace technology, and ground operations worldwide. Participants gained exclusive insights into the challenges and prospects of building a career in space-related fields, from national initiatives to international collaborations.

The distinguished lineup featured Mr. Mohd Farid Omar (Malaysian Space Agency, MYSA) on pathways within Malaysia's space industry, Ir. Mohd Izzed Mustafa (Oxford Space Systems, UK) on aerospace engineering in space systems, and Ir. Nuril Afzam Kamarudin (Es'hailSat, Qatar) on satellite connectivity and RF operations. With over 100 attendees joining online, the talk inspired students, graduates, and professionals alike to explore how Malaysia is shaping its role in the global space race while opening doors for the next generation of space innovators.



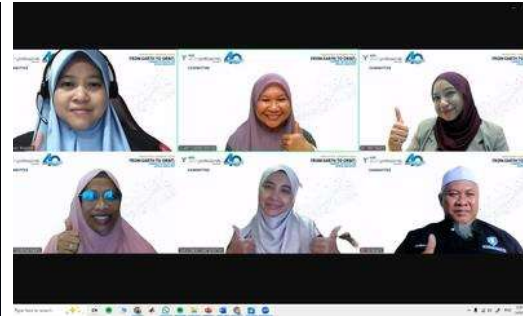
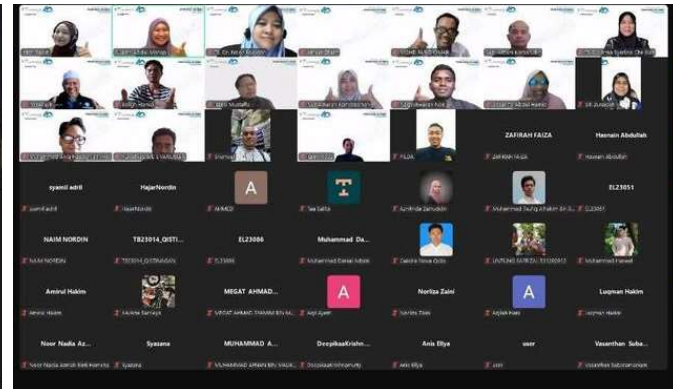
From Earth to Orbit

Date:
14th June 2025

Time:
14:00 - 17:00

Location:
Online via Zoom Meeting

Prepared by:
Sulastr Abd Manap



IEEE-EMBS Malaysia Chapter Wins 2025 Best Regional Professional Chapter Award



We are proud to announce that the **IEEE Engineering in Medicine and Biology Society (EMBS) Malaysia Chapter** has been awarded the **2025 Best Regional Professional Chapter** at the **IEEE-EMBS Conference (EMBC 2025)** held in Copenhagen, Denmark, from **14–17 July 2025**. This prestigious recognition was received on behalf of the chapter by **Dr. Ezreen Farina Shair**, Treasurer of IEEE-EMBS Malaysia.

The award selection was based on several key criteria, including:

- **Diversity and Quality of Activities:** In 2024, the chapter successfully organized flagship events such as the **8th IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES 2024)**, the **2nd MyEMBS Summit**, and numerous technical webinars. These activities created platforms for international collaboration, knowledge sharing, and inclusiveness, especially in promoting awareness and opportunities for special needs communities.
- **Community and Outreach Impact:** Programs such as occupational and speech therapy workshops, humanitarian initiatives, and educational visits reinforced the chapter's commitment to leveraging biomedical engineering for real-world societal impact.
- **Social Media Visibility:** The chapter significantly enhanced its online presence with a 30.7% increase in engagement rate and a 29.6% increase in audience growth, amplifying awareness of its activities among members and the public.

This award reflects the chapter's dedication to advancing biomedical engineering, fostering diversity and inclusivity, and strengthening its role as a hub for innovation and community engagement in the Asia Pacific region.

47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Date:

14-17 July 2025

Time:

0900 - 1800

Location:

Copenhagen, Germany

Prepared by:

Nurul Fauzani Jamaluddin
nfauzani@um.edu.my



Insights into Effective Medical Equipment Management



The Faculty of Electrical and Electronic Engineering (FKEE), in collaboration with the IEEE Engineering in Medicine and Biology Society (EMBS) Malaysia Chapter, successfully organized a knowledge sharing session entitled "Key Elements for Medical Equipment Management Program". The session was led by Mr. Azman Hamid, a member of FKEE's Industry Advisor Panel and representative from Techno Health Services Sdn. Bhd.

The event drew strong interest from the FKEE community, with the participation of 75 students and 10 academicians. Mr. Azman shared valuable perspectives on the changing landscape of Biomedical Engineering Maintenance Services (BEMS), particularly how evolving regulations, technologies, and operational challenges are influencing healthcare equipment management today.

He emphasized several key elements crucial to a successful management program, which include people, systems, supports, tools, and deliverables. He emphasized the importance of having skilled personnel at the core of any program, supported by well-defined systems and organizational backing. The integration of the right tools and technologies also plays a vital role in ensuring smooth operations, while clear deliverables are necessary to measure performance, safety, and compliance.

The session offered an engaging platform for students and academic staff to connect classroom knowledge with real-world industry practices. It also reinforced FKEE's commitment to industry-academic collaboration in preparing graduates for the dynamic and demanding field of biomedical engineering.



FKEE and IEEE EMBS Malaysia Chapter Co-Organize Knowledge Sharing Session on Medical Equipment Management

Date:

16 May 2025

Time:

1030 - 1200

Location:

Universiti Tun Hussein
Onn Malaysia, Johor

Prepared by:

Nurmiza Othman

nurmiza@uthm.edu.my

Congratulations to the Winners of the Final Year Project (FYP) Competition 2025 – Biomedical Engineering Track!

The IEEE Engineering in Medicine and Biology Society (EMBS) Malaysia Chapter is proud to announce the winners of the **FYP Competition 2025 (Biomedical Track)**:

🏆 **Ahmad Akmal Bin Jazmi**
Biomedical Engineering, International Islamic University Malaysia
Project: 3D-Printed Fluidic System for Virus Detection

🏆 **Muhamad Shahrul Iman Bin Tukiman**
Biomedical Engineering, Universiti Tun Hussein Onn Malaysia
Project: IoT-Enhanced Rehabilitation System Using Continuous Passive Motion (CPM) for Elbow and Arm Recovery

As recognition of their outstanding achievements, the winners will each receive:

- 🖨️ **Digital Certificate of Award**
- 🎓 **Conference Rebate for IECBES 2025**
- ☕ **RM50 ZUS Coffee Voucher**

IEEE EMBS Malaysia Chapter congratulates both winners and wishes them continued success in their future endeavors. ✨

Final Year Project Competition

Date:
June - July 2025

Time:
1030 - 1200

Location:
Universiti Tun Hussein
Onn Malaysia, Johor
International Islamic
University Malaysia

Prepared by:
Nurul Fauzani Jamaluddin
nfauzani@um.edu.my



Nothing Is Impossible!!

IEEE Malaysia Section Electronics Packaging Society

On 25th April 2025, Xiamen University with EPS Malaysia had the honor of hosting Dr. Eu Poh Leng, Senior Director of Package Innovation at NXP Semiconductors, for a inspiring talk titled: “Semiconductor Packaging Career Aspiration – Nothing Is Impossible”.

The session welcomed 45 enthusiastic students, eager to explore the future of semiconductor technology and discover how their passions could shape the industry.

Dr. Eu shared her remarkable journey—from early curiosity to becoming a global leader in advanced packaging innovation, her talk covered not only the technical evolution of semiconductor , but also the human side of innovation: the courage to take risks, the importance of mentorship, and the power of continuous learning.

Key Highlights:

- Personal journey of growth and leadership in a high-tech industry
- Insights into cutting-edge packaging technologies and future trends
- Encouragement to students to pursue careers in engineering and innovation
- A powerful reminder that “Nothing Is Impossible” when passion meets purpose

Semiconductor Packaging Career Aspiration

Date:

25 April 2025

Time:

09:00am - 10:00am

Location:

Xiamen University China



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Enabling the Next Era of Semiconductor Innovation

IEEE Malaysia Section
Electronics Packaging Society

On 8th May 2025, IEEE EPS Malaysia together with Prof Kuan Neng Chen organize a webinar on topics of advanced packaging: Enabling the next era of semiconductor innovation. The webinar captured the interests of industry experts, academia on the subject and more than 60 participants log in and join the webinar.

Prof. Kuan-Neng Chen is Chair Professor at NYCU, Taiwan, and an MIT Ph.D. He's a leading expert in semiconductor packaging and 3D ICs, with 400+ publications, 88 patents, and multiple international awards.

Advanced packaging boosts semiconductor performance, power efficiency, and integration density. Key technologies like 2.5D, 3DIC, and heterogeneous integration are evolving, driven by market demands. Challenges such as thermal management, reliability, and process complexity are tackled with innovations like hybrid bonding and new platforms, enabling better alignment, lower bonding temperatures, and reduced warpage. The talk highlights trends, challenges, and breakthroughs shaping the future of packaging.

EPS Webinar Series

Date:
8th May 2025

Time:
10:00am - 11:00am

Location:
Cisco Webex



EPS Webinar Series
*Advanced Packaging:
Enabling the Next Era of Semiconductor
Innovation*

Date : 8th May 2025 (Thursday)
Time : 10.00am – 11.00am
Platform : CISCO WebEx

E-certificates will be provided to participants

Register below:
Link: <https://shorturl.at/J8NFW>



Register



Prof. Kuan-Neng Chen
Dean of International College Semiconductor
Technology
Chair Professor
National Yang Ming Chiao Tung University

Organized by :



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Opportunities Amid Global Shifts

IEEE Malaysia Section Electronics Packaging Society

On 3rd May 2025, IEEE EPS Malaysia proudly co-organize with Penang Chung Ling Alumni on seminar titled:

“Penang’s Semiconductor Growth Trajectory: Opportunities Amid Global Shifts”

The event brought together students, professionals, and industry stakeholders to explore Penang’s evolving role in global semiconductor landscape. With shifting geopolitical dynamics and rapid technological advancements, the seminar highlighted how Penang positioning itself as a key player in innovation, manufacturing, and investment.

Distinguished Speakers:

Dato’ Loo Lee Lian, CEO of Invest Penang, shared insights into state’s strategic initiatives, including Penang Silicon Design @5km, Penang STEM Talent Blueprint. Mr. Cho Wei Wei, Senior Investment Consultant at AmPrivate Bank, provided financial perspective on market trends and opportunities for growth in the semiconductor sector.

Penang’s Semiconductor Growth Trajectory

Date:

03 May 2025

Time:

09:45am - 02:30pm

Location:

Auditorium – CLHS

Multipurpose Hall (2nd Floor)



The banner features logos for Penang Chung Ling Alumni (95th anniversary), Invest Penang, and AmInvestment Bank. It includes the seminar title, date (3 May 2025), time (9:45am - 2:30pm), location (Auditorium - CLHS Multipurpose Hall (2nd floor)), a QR code, and a registration link (bit.ly/cltalk-2025). Below the text are portraits of the speakers: Dato' Loo Lee Lian, CEO of InvestPenang, and Mr Cho Wei Wei, Senior Investment Consultant - AmPrivate Bank. To the right is a photo of Dato' Loo Lee Lian speaking at a podium during the event, with a large screen behind her displaying 'THE OVERVIEW OF PENANG'S CURRENT INDUSTRIAL LANDSCAPE' and her name.

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Tech Meets Wellness

IEEE Malaysia Section Electronics Packaging Society

On 25th May 2025, IET Malaysia, partnered with IEEE EPS Malaysia co-organized an inspiring technical talk featuring Dr. Kevin Hun, Associate Professor and Head of Electronic Engineering and Computer Science at Hong Kong Metropolitan University. The session, titled: "Smart Eyewear for Monitoring Cardiovascular Health and Mental Condition" explored the future of wearable technology in healthcare. Dr. Hun shared cutting-edge research on how smart eyewear can non-invasively monitor vital signs such as heart rate variability, stress levels, and cognitive states offering real-time insights into both physical and mental well-being.

The talk sparked meaningful discussions among attendees, showcasing how engineering innovation can empower individuals to take control of their health.

Thank you to Dr. Kevin Hun and all participants for making this event a success and advancing the dialogue on tech-enabled wellness.

Smart Eyewear for Monitoring Cardiovascular Health and Mental Condition

Date:
25 May 2025

Time:
10:00am - 12:00pm

Location:
Tech Dome Penang,
Malaysia

IET MALAYSIA LOCAL NETWORK

Smart Eyewear for Monitoring Cardiovascular Health and Mental Condition

DR. KEVIN HUNG

Associate Professor,
Head of Department Electronic Engineering and Computer Science,
Hong Kong Metropolitan University



CO-ORGANIZER,



WITH COLLABORATION PARTNERS,



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IEEE Malaysia Section

Electronics Packaging Society

A Conversation with a remarkable inventor

On 30 May 2025, the Faculty of Engineering at UPM hosted an inspiring technical talk titled "Innovation Unleashed", featuring the distinguished Inventor Cheah Bok Eng. The session attracted around 40 attendees, including both undergraduate and postgraduate students, all eager to gain insights into the world of innovation and intellectual property.

Mr. Cheah opened with a compelling overview of what innovation truly means in today's fast-evolving technological landscape, shared personal stories and industry examples that illustrated what fuels innovation—from curiosity and necessity to perseverance, significant portion of the talk focused on the importance of intellectual property (IP) and patent protection, emphasizing how inventors can safeguard their ideas. Attendees were treated to a real-world case study that showcased the journey from idea conception to patent filing and commercialization.

INNOVATION UNLEASHED

Date:

30 May 2025

Time:

10:00am - 11:00am

Location:

Thinker Space 1.0, level 4
Engineering Faculty, UPM



EVENT

INNOVATION UNLEASHED

SHARING FROM THE EXPERT - A CONVERSATION WITH A REMARKABLE INVENTOR -

COME AND BE INSPIRED!

30 MAY 2025 (FRIDAY)

10 AM - 11 AM

UPM

Thinker Space 1.0

Level 4

Engineering Faculty

ALL ARE WELCOME!

OUR HONORABLE SPEAKER
Inv CHEAH BOK ENG
MALAYSIA BOOK OF RECORD HOLDER
200+ ISSUED PATENTS

Register Now!



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IEEE Malaysia Section

Electronics Packaging Society

Super Week- Building The Talent Pool!

As part of the Super Week initiative, a five-day technical series was held across five prominent locations—NXP, QES, Universiti Malaya (UM), Universiti Putra Malaysia (UPM), and Taylor's University. The sessions, led by Mr. Simon Huang, focused on the latest advancements in Wafer Level and Panel Level Packaging technologies.

Participants gained valuable insights into real-world applications, process integration, and manufacturing challenges. The event also fostered meaningful dialogue between students, faculty, and industry professionals. Each session was tailored to highlight the importance of innovation, collaboration, and continuous learning in semiconductor packaging.

With strong support from IEEE EPS Malaysia, MSIA, and NXP, the program successfully fostered knowledge sharing and inspired the next generation of semiconductor talent.

Semiconductor Advanced Packaging- Wafer Level & Panel Level Packaging

Date:
9th - 13th June 2025

Time:
9.00am - 5.30pm

Location:
NXP/QES/UM/UPM/Taylor's
University

IEEE EPS Malaysia- 2025 June Event Highlight
Building Advanced Packaging Talent Pool (Part 2: WL & PLP)

Speaker: Mr Simon Huang
NXP Semiconductors Taiwan
Wafer Level and Panel Level Packaging Expert

Schedule:
June 9th – Sharing in NXP Semiconductors (ATKL)
June 11th – Sharing in UPM
June 12th – Sharing in UM and Taylor's University
June 13th – Sharing in QES



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Empowering Future AI Mentors

As part of its commitment to advancing STEM education, the IEEE Electron Devices Society (EDS) Malaysia Chapter successfully conducted a “Train of Trainers” workshop for the “AI Adventure: Discovering Tomorrow Together” humanitarian project. Held at IIUM's Kulliyyah of Engineering, the full-day session prepared 50 undergraduate engineering students to become effective AI facilitators for secondary schools. The initiative is a key collaboration between the IEEE EDS Malaysia Chapter, IIUM's VLSI & MEMS Research Unit, and the Islamic World Educational, Scientific, and Cultural Organization (ICESCO), with support from the IEEE Malaysia Section.

The training focused on developing a ten-module curriculum and honing the facilitators' teaching skills. The content, adapted from premier sources like AI Singapore and IEEE TryEngineering, covers essential topics from machine learning and computer vision to the architecture of Large Language Models (LLMs), generative AI applications, and the principles of responsible AI use.

Guidance from two senior IEEE EDS members was pivotal in ensuring the technical depth and pedagogical quality of the training, aligning it with IEEE's high standards. This initiative establishes a sustainable STEM outreach model by empowering university students as mentors, thereby scaling the reach of quality AI education to Malaysian youth. The successful training of these 50 facilitators creates a strong foundation for future school outreach programs, aiming to inspire the next generation of technologists.

Train of Trainers for AI Adventure Discovering Tomorrow Together (Discovering AI for young generation)

Date:

12th April 2025

Time:

9.00am - 5.30pm

Location:

Kulliyyah of Engineering,
International Islamic
University Malaysia (IIUM)



LEARN MORE

Inspiring Young Innovators with Hands-On AI Robotics Workshop

The IEEE Electron Devices Society (EDS) Malaysia Chapter continued its outreach efforts by supporting the "MAQUEEN PLUS + HUSKYLENS (AI)" Ore-U STEM Program. This full-day, immersive workshop provided 30 young students with a practical introduction to the exciting intersection of artificial intelligence and robotics. The event was a successful collaboration with the Centre of Electrical Engineering Studies (CEES), Faculty of Electrical Engineering, UiTM Shah Alam, and received valuable support from the IEEE Malaysia Section.

Throughout the session, participants delved into the fundamentals of AI and machine learning. The program was designed to be highly interactive, moving from theory to hands-on application. Students learned to train a HuskyLens AI vision sensor for object recognition, a key skill in modern smart systems. They then applied this knowledge by programming a Maqueen Plus robot using the micro:bit platform and MakeCode's block-based coding environment.

Two IEEE EDS members were present to facilitate the workshop, providing expert guidance and mentorship to the participants. The event was a resounding success, fostering tangible skills in robotics and AI while igniting curiosity in smart technology. By providing this hands-on experience, the program directly contributes to IEEE's core mission of inspiring the next generation of engineers and innovators.

"MAQUEEN PLUS + HUSKYLENS (AI)"

Date:

3rd May 2025

Time:

8.30am - 4.30pm

Location:

Kompleks Kejiranan Presint
16, Putrajaya



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“AI Adventure” Project Culminates in Successful STEM Outreach for 100 Students

Electron Devices Society

The “AI Adventure: Discovering Tomorrow Together” project, a flagship initiative funded by a prestigious USD 2,000 IEEE TryEngineering STEM Grant, reached its successful conclusion with a large-scale outreach event for 100 secondary school students. This capstone activity (Phase 3) was the culmination of months of preparation, including curriculum development and the training of 50 university-level facilitators. The event was jointly organized by the IEEE EDS Malaysia Chapter, IIUM's VLSI & MEMS Research Unit, and ICESCO, with backing from the IEEE Malaysia Section.

The program was executed as an engaging "explorace game," where students navigated 10 interactive checkpoints. Each station corresponded to a specific AI module, covering topics from machine learning fundamentals to the impact of generative AI, based on high-quality resources from IEEE TryEngineering and AI Singapore. The 50 student facilitators, trained in Phase 2, expertly guided the participants through the hands-on activities, ensuring an effective and enjoyable learning experience. Four IEEE EDS members served as advisors, overseeing the program's execution.

To measure the project's impact, students took quizzes before and after the session, with results showing a marked improvement in their understanding of AI concepts. Surveys conducted with students and teachers also returned overwhelmingly positive feedback. The event successfully achieved its primary goal of sparking genuine interest in AI, providing a powerful demonstration of a scalable and impactful model for STEM education in the community.

AI Adventure Discovering Tomorrow Together– Phase 2 (Discovering AI for young generation)

Date:

24th May 2025

Time:

7.30am - 1.00pm

Location:

Wadi Budi, International
Islamic University Malaysia
(IIUM)



LEARN MORE

“AI Adventure” Project Honored for Impact and Collaboration at University Symposium

The impactful work of the “AI Adventure: Discovering Tomorrow Together” community project received significant recognition at the 7th University in Action Symposium held at IIUM. The project, a collaborative effort between the IEEE Electron Devices Society (EDS) Malaysia Chapter, IIUM's VLSI & MEMS Research Unit, and ICESCO, was showcased to the wider university community on 28 May 2025.

During the symposium's awards ceremony, the project was honored with two prestigious accolades: the Silver Award for its outstanding contribution and the Most Collaborative Project award. These honors highlight the project's success in delivering high-quality STEM education and underscore the strength of the partnership between the organizing bodies. The symposium serves as a key university platform for sharing the outcomes of impactful community engagement programs.

Two IEEE EDS members, who were integral to the project's success, were present to represent the team of 20 core contributors. This recognition from the university serves as a powerful validation of the project's mission and the dedication of its collaborators. The awards affirm the positive impact of IEEE EDS Malaysia's humanitarian and educational initiatives, further strengthening its commitment to advancing technology for the benefit of the community.

**Symposium for
community program at
International Islamic
University Malaysia**

Date:
30th May 2025

Time:
8.30am - 4.00pm

Location:
International Islamic
University Malaysia (IIUM)



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Fostering Practical Skills with Electronics Circuit Challenge

Electron Devices Society

Continuing its mission to promote early interest in engineering, the IEEE Electron Devices Society (EDS) Malaysia Chapter supported the “Fun with Electronics Circuit Challenge.” This engaging, full-day STEM program was designed to introduce 30 pre-university students to the fundamentals of electronics in a hands-on environment. The event was organized in collaboration with the Centre of Electrical Engineering Studies (CEES), Faculty of Electrical Engineering, UiTM Shah Alam, and was supported by the IEEE Malaysia Section.

From 8:30 AM to 4:30 PM, participants were immersed in the world of electronic circuits. The workshop focused on building a strong foundational understanding of basic concepts, which was immediately reinforced through practical application. Using electronic circuit kits, students were able to assemble and test their own circuits, translating theoretical knowledge into tangible skills. This hands-on approach proved highly effective in enhancing their practical abilities and deepening their interest in the field of electronics. Three IEEE EDS members were on-site to facilitate the sessions, providing expert mentorship and ensuring a productive learning atmosphere for the students. The challenge successfully demystified electronics for the young participants and highlighted potential career paths in engineering, aligning perfectly with IEEE's core goal of inspiring the next generation of technical professionals.

Fun With Electronics Circuit Challenge

Date:

14th June 2025

Time:

8.30am - 4.30pm

Location:

Kompleks Kejiranan Presint
16, Putrajaya



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IEEE EDS Malaysia Chapter Recognizes Excellence in Final Year Projects at IIUM

Electron Devices Society

In its ongoing commitment to fostering student excellence and promoting innovation in microelectronics, the IEEE Electron Devices Society (EDS) Malaysia Chapter proudly presented its annual Final Year Project (FYP) Award at the International Islamic University Malaysia. This award is a cornerstone of the chapter's efforts to encourage and honor the outstanding work of undergraduate students in fields related to semiconductor and electronic devices.

The award was a highlight of the university's FYP showcase, where final-year students presented their capstone projects through detailed poster presentations. A number of high-quality projects in the microelectronics domain were nominated for the award. After a thorough evaluation by a jury member from the IEEE EDS Malaysia Chapter, one project was selected for its exceptional merit.

The 2025 IEEE EDS Final Year Project Award was conferred upon Adib Azrai Md Yusof for his project titled, "Design of Impedance Measurement Device for Assessment of Fruit Quality." The project was supervised by Dr Ahmad Fairuzabadi Mohd Mansor.

This annual initiative not only celebrates the hard work and ingenuity of students but also serves to raise the visibility of IEEE and the Electron Devices Society among the next generation of engineers. By recognizing such achievements, the chapter continues to inspire academic and research excellence within the university community.

IEEE EDS Final Year Project Award (IIUM)

Date:

18th June 2025

Time:

8.30am - 4.30pm

Location:

Kulliyyah of Engineering,
International Islamic
University Malaysia (IIUM)



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2025 EE Family Day

IEEE Student Branch (UMS) successfully organised the 2025 EE Family Day on 3 May 2025, at Faculty of Engineering, Universiti Malaysia Sabah. The event featured a variety of interactive station games and team challenges aimed at fostering unity, enhancing communication, & building camaraderie within the students. The event concluded with an official closing by the Head of Programme while witnessed by the Student Branch Counselor. [Link](#)



IEEE Malaysia Section Sabah Subsection



Family Day

Date:
3 May 2025

Time:
09:00 - 15:00

Location:
Foyer Block A
Faculty of Engineering
Universiti Malaysia Sabah



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Website: www.ieeesabah.org

Facebook: [IEEE Sabah Subsection](#)

LEADSTEM 2.0

IEEE Malaysia Section

Sabah Subsection



LEADSTEM 2.0

Date:
14 June 2025

Time:
14:00 - 16:00

Location:
SMK Kundasang
Ranau, Sabah

On 14 June 2025, IEEE Student Branch (UMS), in collaboration with JAKMAS KKTM of Universiti Malaysia Sabah, co-organized a STEM programme at SMK Kundasang, Ranau. The event engaged 100 students from Form 1 to Form 3, where the Student Branch introduced electrical safety awareness and showcased innovative projects including laser engraving, 3D printing, and smart housing.



LEARN MORE

Website: www.ieeesabah.org

Facebook: [IEEE Sabah Subsection](https://www.facebook.com/IEEESabahSubsection)

Weekly Training Sessions

IEEE Student Branch (UMS) successfully conducted 6 technical training sessions from April to June at Faculty of Engineering, Universiti Malaysia Sabah. A total of 22 students participated in the hands-on workshops, which focused on laser engraving, 3D printing, RC car programming, and stylophone prototype development. These sessions aimed to enhance students' technical skills, promote innovation, and encourage active involvement in practical.

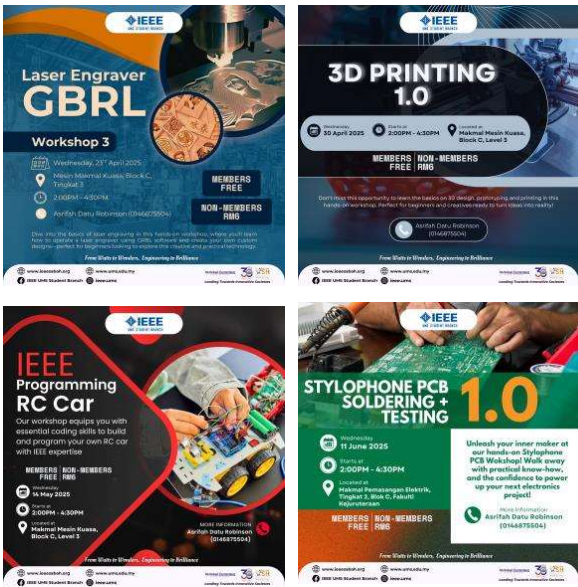
IEEE Malaysia Section Sabah Subsection

Weekly Training Sessions

Date:
April-June 2025

Time:
14:00 - 17:00

Location:
Faculty of Engineering
Universiti Malaysia Sabah



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Website: www.ieeesabah.org
Facebook: [IEEE Sabah Subsection](https://www.facebook.com/IEEESabahSubsection)

7th IEEE International Conference on Artificial Intelligence in Engineering and Technology (IICAET 2025)

The 7th IEEE International Conference on Artificial Intelligence in Engineering and Technology (IICAET 2025) welcomes participants to Sabah, Malaysia. Featuring four keynote speakers and sessions spanning healthcare, agriculture, aquaculture, power systems, IoT and digital security, the conference highlights AI's transformative impact. We honor Dr. Sazali Bin Yaacob, founder of ICAIET in 2002, whose vision built this platform, now indexed in IEEE Xplore, Scopus, and EI Compendex. With 307 submissions, 188 accepted papers from 21 countries, and 134 presentations across three days, IICAET 2025 reaffirms its role as a premier forum for responsible AI research. More details: iicaet.ieeesabah.org.

IEEE Malaysia Section Sabah Subsection



IICAET 2025

Date:
26 - 28 August 2025

Time:
08:00 - 17:00

Location:
Sabah International
Convention Centre (SICC),
Kota Kinabalu, Sabah



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Website: www.ieeesabah.org

Facebook: [IEEE Sabah Subsection](https://www.facebook.com/IEEE Sabah Subsection)

Engineering, Science and Technology Exhibition 2025 (ESTE'25) Series 1

IEEE Malaysia Section
IEEE Power Electronics

Society (PELS)
ESTE'25 Series 1

This event is for the annual faculty event, the Engineering, Science, and Technology Exhibition (ESTE 2025), on 5th February 2025. MAHSA University initiated theme in conjunction with Independent and Malaysia month with the slogan "Harmony in Diversity: Engineering Solutions for a United Future". This event open for all students related to Final Year Project engineering students that supports towards innovation, science and technology and enrichment the sustainable and development goals, SDG. In conclusion, a successfully organized science and technology exhibition achieves its objectives by inspiring and educating participants, fostering innovation and entrepreneurship, and facilitating meaningful connections between industry, academia, and the public. It raises awareness of the latest advancements in science and technology, promotes collaboration, and contributes to both economic growth and societal development.

Date:

5 February 2025

Time:

8.00am – 6.00pm



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www.ieee.org

IEEE PELS DAY 2025

On 20 June 2025, the IEEE Power Electronics Society (PELS) Malaysia Chapter successfully hosted the annual IEEE PELS Day celebration, themed “Empowering Innovations in Power Electronics and Drive”. Held virtually via Google Meet, the event drew participants from both local and international communities, highlighting the global spirit of collaboration and knowledge sharing that defines IEEE PELS. Since becoming a full-fledged society within IEEE in 1987, IEEE PELS has commemorated 20 June every year as a day of engagement, education, and networking. This year’s celebration continued the tradition with an exciting agenda filled with technical talks, professional development opportunities, and chapter engagement sessions. Special thanks are due to Dr. Khairul Safuan Bin Muhammad, the main person-in-charge (PIC), for his outstanding leadership, dedication, and

IEEE Malaysia Section IEEE Power Electronics Society (PELS)

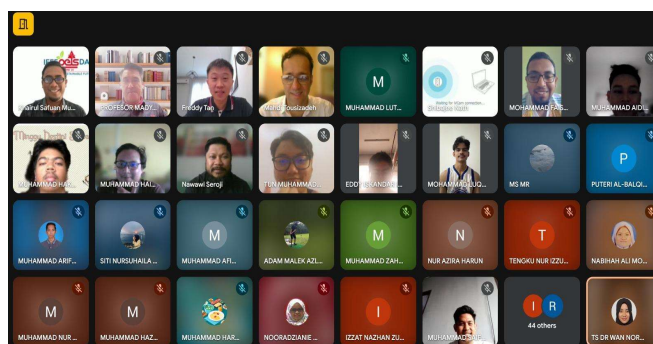
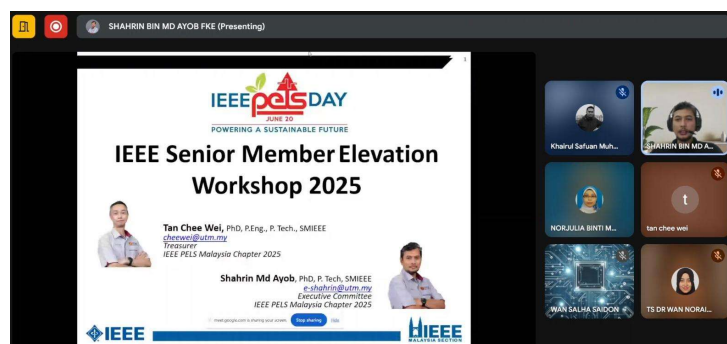
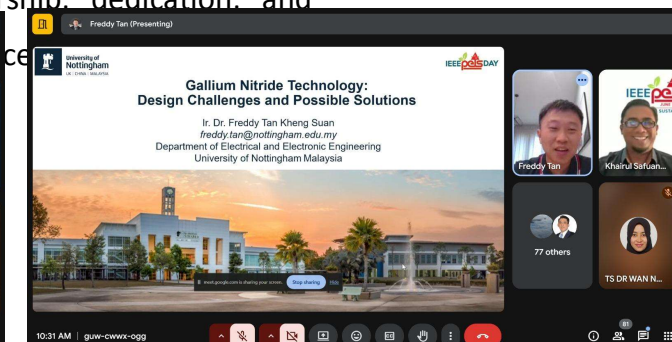
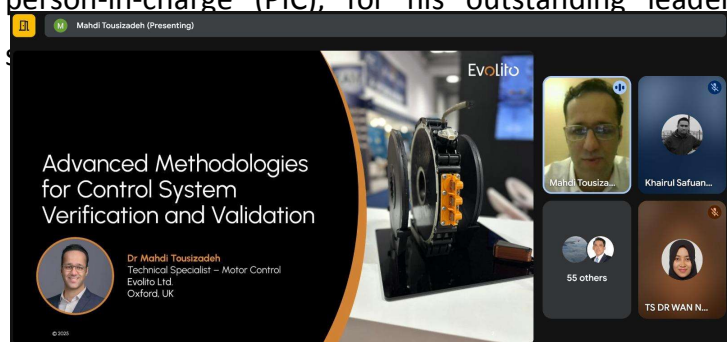
IEEE PELS DAY 2025

Date:

20 June 2025

Time:

9.00am – 5.00pm



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Publication Seminar, Universiti Teknologi Malaysia

IEEE Malaysia Section IEEE Power Electronics Society (PELS)

The Publication Seminar titled “The Importance of Scientific Publications: Sharing from the Perspective of Intelligent Data Analytics for Renewable Energy” was successfully held on 24 June 2025 at the Smart Classroom, UTM Johor Bahru, with 37 participants in attendance. The seminar was delivered by Dr. Hasmat Malik from the Faculty of Electrical Engineering, Universiti Teknologi Malaysia. Organized by the Publications Committee, Faculty of Electrical Engineering, in collaboration with the Institute of High Voltage and High Current, UTM, and the IEEE Power Electronics Society (PELS) Malaysia Chapter, the session provided valuable insights into effective scientific publishing and its role in advancing renewable energy research. CPD hours were awarded to eligible staff, and postgraduate student attendance was recorded to meet faculty

Publication Seminar, UTM

Date:
24 June 2025

Time:
2:30pm – 4.30pm



Publication Seminar

UTM Faculty of Electrical Engineering
UNIVERSITI TEKNOLOGI MALAYSIA

PELS
IEEE POWER ELECTRONICS SOCIETY
MALAYSIA CHAPTER

The Importance of Scientific Publications

Sharing from the Perspective of Intelligent Data Analytics for Renewable Energy

SPEAKER

Dr. Hasmat Malik

Faculty of Electrical Engineering
Universiti Teknologi Malaysia



<https://bit.ly/4jXvx2v>

24 June 2025 (Tuesday)
2.30 PM – 4.30 PM
Smart Classroom,
Level 5, P19a, UTM JB

UTM CPD hours are awarded for staff (subject to approval), and PG students' attendance is counted to fulfill the faculty's requirement

Organised by Publications Committee, Faculty of Electrical Engineering, UTM, in collaboration with the Institute of High Voltage and High Current, UTM, and IEEE Power Electronics Society Malaysia Chapter

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UTHM Final Year Project Competition

The event, attended by 250 final-year students from the Faculty of Electrical and Electronic Engineering (FKEE), was divided into six tracks. The IEEE Power Electronics Society (PELS) sponsored one plaque for the Electrical Power Engineering Track. The award recipient was selected based on a project that contributed to power electronics converter applications in electrical system networks. The programme was organized by Universiti Tun Hussein Onn Malaysia (UTHM) in collaboration with the IEEE Power Electronics Society (PELS) Malaysia Chapter. Evaluation for the IEEE PELS award was conducted by Assoc. Prof. Dr. Shamsul Aizam Zulkifli, representing IEEE

IEEE Malaysia Section IEEE Power Electronics Society (PELS)

UTHM Final Year Project Competition

Date:
24 June 2025

Time:
8.00am – 1.00pm



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Program Sains, Teknologi dan Inovasi 100³ (STI 100³) & IEEE Power Electronics Society (PELS) Sains, Teknologi, Kejuruteraan dan Matematik (STEM) - Scientist@Schools : Jom STI!

On 7 July 2025, Ts. Dr. Wan Noraishah Wan Abdul Munim, Coordinator for the Bachelor of Electrical and Electronic Engineering Technology (Hons.), Faculty of Electrical Engineering, Universiti Teknologi MARA, and Secretary of the IEEE PELS Malaysia Chapter, conducted the Program Sains, Teknologi dan Inovasi 100³ (STI 100³) & Sains, Teknologi, Kejuruteraan dan Matematik (STEM) at Sekolah Kebangsaan Telok Menegon, Klang. This initiative was part of the nationwide launch of STI 100³ and STEM in 30 Seconds, which was recognized in the Malaysia Book of Records as the Largest Assembly of Malaysian Scientists for STEM Outreach and the Largest Participation of Schools in STEM Outreach under the Scientists@Schools: Jom STI! programme. The session aimed to inspire young students' interest in science,

ing and interactive

IEEE Malaysia Section
IEEE Power Electronics Society (PELS)

Program Sains,
Teknologi
dan Inovasi 100³ (STI
100³) & Sains,
Teknologi, Kejuruteraan
dan Matematik (STEM)

Date:
7 July 2025

Time:



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www.ieee.org

The 15th IEEE International Conference on Power Electronics and Drive Systems (PEDS 2025)

IEEE Malaysia Section
IEEE Power Electronic Society (PELS)

IEEE PEDS 2025

Date:

21 July 2025 – 24 July 2025

Time:

8.00am – 5.00pm

The 15th IEEE International Conference on Power Electronics and Drive Systems (PEDS 2025) was successfully held from 21 to 24 July 2025 at Shangri-La Rasa Sayang, Penang. The opening ceremony was officiated by YB Zairil Khir Johari, Penang State EXCO for Infrastructure, Transport and Digital, together with Dr. Ravinder Pal Singh, General Chair of IEEE PEDS 2025. Held biennially, PEDS is recognized as one of the leading international conferences in power electronics and drive systems. The four-day event featured tutorials, industry talks, and technical paper presentations, bringing together academics and industry professionals from around the world to exchange knowledge on state-of-the-art technologies and applications. PEDS 2025 continued its tradition of excellence, serving as a premier platform for



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Smart Industry: Leveraging AI for Operational Excellence

IEEE Malaysia Section IEEE Power Electronics Society (PELS)

An adjunct lecture titled "Smart Industry: Leveraging AI for Operational Excellence" was successfully held on 10 July 2025 (Thursday) via Microsoft Teams from 2:00 PM to 4:00 PM. The event was organized by the Department of Electrical and Electronics Engineering, Universiti Teknologi PETRONAS (UTP) in collaboration with the IEEE Power Electronics Society (PELS) Malaysia Chapter.

Adjunct Lecture

Date: 10 July 2025

Time:

2.00 pm – 5.00 pm

The invited speaker was Ir. Dr. Saravanan Nathan Lurudusamy, Technical Consultant and Academic Researcher at TM Technology Services SB. With over 20 years of experience in the telecommunication and ICT industry, Dr. Saravanan shared valuable insights on AI applications in smart industry for operational excellence, drawing from his expertise in network engineering, ICT, quality management, and business development. The lecture was attended by 30 participants, consisting of a mix of students and IEEE members.



Adjunct Lecture



IEEE POWER ELECTRONICS SOCIETY
Powering a Sustainable Future

Smart Industry: Leveraging AI for Operational Excellence

Speaker Profile

Ir. Dr. Saravanan Nathan Lurudusamy
Technical Consultant/Academic Researcher,
TM Technology Services SB
Professional Engineer (Ir.) - BEM

Equipped with 20 years of experience in telecommunication and ICT industry, he has been delivering technical tasks at his workplace where he held various positions such as in network engineering, assurance and fulfilment of telecommunication services, business support, quality management and business development. Currently, in his capacity as Solution Consultant, where he provides solution management on telecommunication products and services in terms of connectivity, ICT and Smart Services as converged offerings to suit customers' requirements. He is also an active member of the Institute of Engineers Malaysia (IEM) and the Board of Engineers Malaysia (BEM) and has been awarded Professional Engineer status since 2009 under the Electronics division.



Event Date: 10 July 2025 (Thursday)
Venue: Virtual (MS Team)
Time: 02:00 PM to 4:00 PM

MS Team link
Join on your computer, mobile app or room device

[Join the meeting now](#)
Meeting ID: 417 911 389 499 8
Passcode: E7HF9652

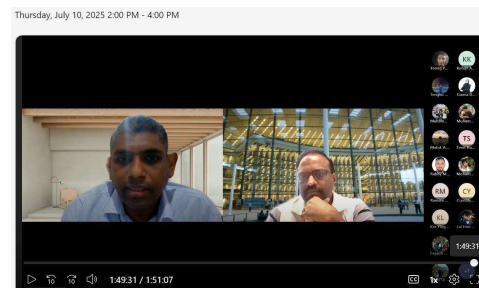
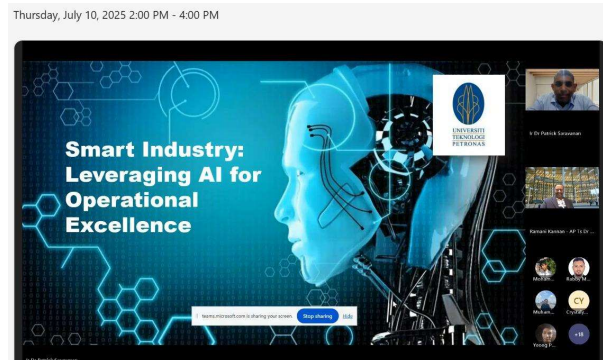
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To join Scan QR



Invited by



AP.Ts. Dr. Ramani Kannan
EFB4063 Artificial Intelligence & Applications



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Solar Pump Installation

A volunteer program at Kampung Paya Kelubi successfully installed a solar-powered water pump system and controller, providing a sustainable water solution while promoting renewable energy awareness. The initiative involved six volunteers (three IEEE members and three non-members) who carried out site preparation, installation, testing, and a community briefing. As a result, the system is now fully operational, supplying water through solar energy, and the community responded positively, expressing interest in future sustainable projects. The program achieved its objectives, strengthened teamwork, and enhanced local awareness of renewable technologies.

Solar Pump Installation at Kampung Paya Kelubi

Date:

05 April 2025 - 06 April 2025

Time:

09:00 AM CST to 06:00 PM CST

Location:

Beseri, Perlis
Malaysia



INDUSTRIAL AND BIOMEDICAL APPLICATIONS OF MAGNETISM

On Tuesday, 8 April 2025, the Department of Electrical and Electronic Engineering, Faculty of Engineering, UPM, organized a seminar at the Faculty's Level 2 Seminar Room featuring Prof. Dr. Takashi Yoshida. The event, attended by around 25 participants (10 IEEE members and 15 non-members), aimed to explore industrial and biomedical applications of magnetism while encouraging knowledge exchange among staff and students. The engaging session provided valuable insights into advanced magnetic technologies in both industry and healthcare. Undergraduate students were awarded merit points, and all participants received e-certificates, making the seminar both educational and rewarding.

IEEE Malaysia Section

IEEE Dielectrics and Electrical Insulation Society (DEIS)

TECNICAL TALK: INDUSTRIAL AND BIOMEDICAL APPLICATIONS OF MAGNETISM

Date:

08 April 2025

Time:

02:30 PM CST to 04:00 PM CST

Location:

UPM, Kuala Lumpur, Wilayah Persekutuan
Malaysia



Renewable Energy in China

The seminar on Renewable Energy in China and Its Implemented Policy was held on 15 April 2025 at FKTE, featuring Prof. Weijun, Director of the Gansu Natural Energy Research Institute, along with his delegation. Attended by 43 students, the Dean, and FKTE staff, the session provided an overview of China's advancements in solar, wind, hydro, and biomass energy, government incentives, integration challenges, and case studies of renewable projects. The Q&A session explored potential collaborations, technological innovations, and policy relevance for Malaysia. The seminar proved insightful, strengthening awareness of China's renewable initiatives and opening opportunities for academic and student exchange between FKTE and the Gansu institute.

IEEE Malaysia Section

IEEE Dielectrics and Electrical Insulation Society (DEIS)

Renewable Energy in China and Its Implemented Policy

Date:

15 April 2025

Time:

10:00 AM CST to 11:30 AM CST

Location:

FKTE, UniMAP

ARAU, Perlis

Malaysia



Compost Fertilizer and Solar-Powered NFT System

On 6 May 2025, Universiti Putra Malaysia (UPM) through its University Community Transformation Centre (UCTC), in collaboration with the Pangkor Island District Head's Office and IEEE DEIS Malaysia Chapter, held the Putra Knowledge Transfer Programme (PUTRAPIL), a MoHE-sponsored initiative involving 50 participants from five villages. The programme featured two sessions: composting with organic kitchen and garden waste, conducted by Mr. Khairul Aslim Abdul Rauf from UPM's Putra Agriculture Centre, and the application of solar technology for a Nutrient Film Technique (NFT) hydroponic system, led by Assoc. Prof. Dr. Jasronita Jasni. The sessions equipped participants with hands-on knowledge in sustainable agriculture, renewable energy integration, and environmental management, receiving positive feedback as communities expressed readiness to adopt the practices—underscoring UPM's commitment to sustainable innovation and impactful community engagement.

IEEE Malaysia Section

IEEE Dielectrics and Electrical Insulation Society (DEIS)

Putra Knowledge Transfer Programme (PUTRAPIL): Compost Fertilizer and Solar-Powered NFT System with the Pulau Pangkor Community, Perak

Date:

06 May 2025

Time:

09:00 AM CST to 01:00 PM CST

Location:

Universiti Putra Malaysia
Kajang, Selangor, Wilayah Persekutuan
Malaysia



IEEE Malaysia Section

IEEE Dielectrics and Electrical Insulation Society (DEIS)

TARUMT ProDEx 2025

The IEEE DEIS Malaysia Chapter proudly supported the ProDEx 2025 event organized by the Faculty of Engineering and Technology (FOET), TARUMT, on 15 May 2025 at the Kuala Lumpur Campus under the theme “Engineering Solutions for a Sustainable Future.” As part of its sponsorship, DEIS invited Professor Ir. Dr. Hazlee Azil Illias and Ir. Ts. Dr. Wong Jee Keen Raymond to serve as external judges. A DEIS membership flyer was also distributed to students to promote society engagement. ProDEx served as a dynamic platform for final-year students to showcase their Capstone and Final Year Projects, connect with industry professionals, and demonstrate their problem-solving abilities. The event not only evaluated students’ technical skills but also enhanced their confidence, creativity, and readiness to contribute to sustainable engineering solutions.

TARUMT ProDEx 2025

Date:

15 May 2025

Time:

09:00 AM CST to 05:00 PM CST

Location:

Block M, TAR UMT Kuala Lumpur Campus



Insights on the Future of Connectivity in "5G Evolution Toward 6G"

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Shah Alam, 13 February 2025 – The IEEE Malaysia AP/MTT/EMC Joint Chapter Society, in collaboration with the College of Engineering, Universiti Teknologi MARA (UiTM), successfully organized a distinguished technical talk titled "5G Evolution Toward 6G". The event featured Emeritus Professor Dr. Tharek Abdul Rahman, renowned expert in wireless communication and MCMC Academy Advisor, as the invited speaker. Held at Al-Hidayah Seminar Room, Level 9, Block 5, the session drew academics, researchers, students, and industry professionals eager to explore the next frontier in mobile technology. Prof. Dr. Tharek highlighted key developments, challenges, and opportunities in the transition from 5G to 6G, emphasizing advanced spectrum usage and ultra-low latency communication technologies. The talk offered valuable perspectives on Malaysia's positioning in the global race toward 6G deployment, and how academia and industry can collaborate to drive innovation.

5G Evolution Toward 6G.

Date:
13 February 2025

Time:
09:30 - 11:30

Location:
Al-Hidayah Seminar Room,
Level 9, Block 5, UiTM Shah
Alam, Malaysia.



The poster is for an event titled "5G EVOLUTION TOWARD 6G". It features a portrait of Prof. Dr. Tharek Abdul Rahman, an Emeritus Professor and MCMC Academy Advisor. The event is part of the "AP TECHNICAL MEETING SERIES" and is organized by the IEEE Malaysia AP-S, EMC, and MTT-S Societies, in collaboration with Universiti Teknologi MARA (UiTM) and Kolej Pengajian Kejuruteraan. The event is scheduled for Thursday, 13 Feb 2025, at 09.30 AM, in the Al-Hidayah Seminar Room, Level 9, Block 5, College of Engineering, Universiti Teknologi MARA, Shah Alam. A registration link is provided: <https://forms.gle/eKaEDnUpYXY6yfJP8>. A QR code is also present for registration.

Invited Speaker
PROF. DR. THAREK ABDUL RAHMAN
Emeritus Professor,
MCMC Academy Advisor

5G EVOLUTION TOWARD 6G

Thursday, 13 Feb 2025
09.30 AM

Al-Hidayah Seminar Room, Level 9,
Block 5, College of Engineering,
Universiti Teknologi MARA, Shah Alam

Registration Link
<https://forms.gle/eKaEDnUpYXY6yfJP8>

<https://apmttemc.org/> IEEE Malaysia AP/MTT/EMC Joint Chapter IEEE MY APMTTEM

IEEE Malaysia AP/MTT/EMC Society Contributes to Community Resilience at CBDRM9 Series 2 in Hulu Langat

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Shah Alam, 25 January 2025 - IEEE Malaysia AP/MTT/EMC Joint Chapter Society, in collaboration with the Antenna Research Centre (ARC), UiTM Shah Alam, played an important role in the successful implementation of the Community-Based Disaster Risk Management (CBDRM9) Series 2 held on 25 January 2025 at Dewan Utama Demesne, Pejabat Daerah dan Tanah Hulu Langat. The event, attended by approximately 70 participants including penghulu, ketua kampung, local agencies, and district officials, focused on equipping local communities with practical skills and knowledge in disaster preparedness, response, and risk reduction. This Hulu Langat session is part of a larger statewide initiative coordinated by the Unit Pengurusan Bencana Negeri (UPBN) with strong support from NADMA and led by NADIM. The program emphasized inter-agency collaboration and grassroots empowerment through hands-on simulations and expert talks. Key collaborators included MJIIT UTM, NAGCR, PLANMalaysia, Akademi Latihan Pertahanan Awam Bangi, and Civil Defense Malaysia, all working together to foster a safer and more resilient Selangor.

Community-based Disaster Risk Management Program (CBDRM9) Series 2 (Hulu Langat)

Date:
25 January 2025

Time:
09:00 - 17:00

Location:
Pejabat Daerah dan Tanah
Hulu Langat, Selangor,
Malaysia



Empowering Communities, Saving Lives: CBDRM Series 3 Strengthens Petaling's Disaster Readiness

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Shah Alam, 16 February 2025 - The IEEE Malaysia AP/MTT/EMC Joint Chapter Society played a key role in the successful event of the Community-Based Disaster Risk Management (CBDRM9) Series 3, held on 16 February 2025 at Dewan Kenanga, Shah Alam. Collaborating through the Antenna Research Centre (ARC), UiTM Shah Alam, the Society contributed technical support and expertise to strengthen community-level disaster preparedness. The program brought together around 50 participants, including penghulu, ketua kampung, local agencies, and district officials, to enhance awareness and readiness in managing disaster risks. Organized under the leadership of the Unit Pengurusan Bencana Negeri (UPBN) and supported by NADMA, this Petaling district event is part of a statewide initiative covering nine districts in Selangor. With support from partners such as MJIT UTM, NAGCR, PLANMalaysia, and civil defense agencies, the program focused on practical training, inter-agency collaboration, and community empowerment—aligning closely with IEEE's mission of advancing technology for societal benefit.

Community-based Disaster Risk Management Program (CBDRM9) Series 3 (Petaling).

Date:
16 February 2025

Time:
09:00 - 17:00

Location:
Dewan Kenanga, U 5, 40150
Shah Alam, Selangor



IEEE Malaysia AP/MTT/EMC Joint Chapter Supports Global Outreach at “Jelajah Kemasyarakatan dan Pendidikan Medan, Indonesia 2025”

Medan, 19 May 2025 - In an inspiring effort to blend education, technology, and community service, the IEEE Malaysia AP/MTT/EMC Joint Chapter played a key role in supporting the “Jelajah Kemasyarakatan dan Pendidikan Medan 2025”, an international mobility program organized by PPFKTEN UniMAP in collaboration with the Centre of Excellence for Advanced Computing (ADV COMP). Held from 15 to 19 May 2025 across various locations in Medan, Indonesia, this cross-border initiative aimed to strengthen academic networks, promote technological knowledge sharing, and foster community engagement. The program was conducted in partnership with Universitas Harapan (UnHar) and Universitas Al-Azhar (UNAZ). Program highlights included solar lamp installations and robotics activities that applied engineering skills to benefit local communities. Additional activities such as Microbit workshops, cultural visits, and mangrove planting promoted STEM education, environmental awareness, and cross-cultural engagement. The program successfully instilled values of leadership, volunteerism, and global citizenship among UniMAP students, while elevating the university's presence on the international stage.

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Jelajah Kemasyarakatan dan Pendidikan Medan, Indonesia 2025.

Date:
15-19 May 2025

Time:
08:00 - 17:00

Location:
Medan, Indonesia.



IEEE Malaysia AP/MTT/EMC Joint Chapter Hosts AP Technical Meeting Series

Bangi, 7 May 2025 - The IEEE Malaysia AP/MTT/EMC Joint Chapter Hosts AP Technical Meeting Series at Universiti Kebangsaan Malaysia, featuring engaging sessions on advanced antenna technologies and electromagnetic systems. The event welcomed Prof. Dr. Mohammad Tariqul Islam as the plenary speaker, presenting on *Metamaterial-Integrated Planar Antenna for Advanced Electromagnetic Performance in Next-Generation Communication Systems*. Invited speakers Ts. Dr. Muhammad Azfar bin Abdullah and Dr. Bazilah binti Baharom shared insightful talks on their respective areas of expertise, offering valuable knowledge exchange and fostering research collaboration within the antenna and propagation community.

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

AP Technical Meeting Series.

Date:

7 May 2025

Time:

09:00 - 13:00

Location:

Universiti Kebangsaan
Malaysia.



IEEE AP-S MTT-S EMC
Advancing Technology for Humanity
Antenna and Propagation Society
MTT-S SOCIETY

AP TECHNICAL MEETING SERIES

Plenary Speaker
PROF. DR. MOHAMMAD TARIQUL ISLAM
Professor, UKM

METAMATERIAL-INTEGRATED PLANAR ANTENNA FOR ENHANCED ELECTROMAGNETIC PERFORMANCE IN NEXT-GENERATION COMMUNICATION SYSTEMS

Wednesday, 7 May 2025
09.00 AM

Perdana Meeting Room, Level 4,
FKAB Administration Building,
Fakulti Kejuruteraan dan Alam Bina,
Universiti Kebangsaan Malaysia

Registration Link
<https://forms.gle/yNafvDLgY9Lu6oFm9>

<https://apmttemc.org/>  IEEE Malaysia AP/MTT/EMC Joint Chapter  IEEE MY APMTTEM



IEEE AP-S MTT-S EMC
Advancing Technology for Humanity
Antenna and Propagation Society
MTT-S SOCIETY

AP TECHNICAL MEETING SERIES

Invited Speaker
TS. DR. MUHAMMAD AZFAR BIN ABDULLAH
Agensi Angkasa Malaysia

SATELLITE EMC TESTING ACTIVITIES AND FACILITY CAPABILITIES AT MYSA BANGKING

Invited Speaker
DR. BAZILAH BINTI BAHAROM
King Fahd University of Petroleum and Minerals

ANTENNA SYSTEM CONSIDERATIONS AND LINK BUDGET ANALYSIS FOR SATELLITE COMMUNICATION MISSIONS

Wednesday, 7 May 2025
09.00 AM

Perdana Meeting Room, Level 4,
FKAB Administration Building,
Fakulti Kejuruteraan dan Alam Bina,
Universiti Kebangsaan Malaysia

Registration Link
<https://forms.gle/yNafvDLgY9Lu6oFm9>

<https://apmttemc.org/>  IEEE Malaysia AP/MTT/EMC Joint Chapter  IEEE MY APMTTEM

IEEE AP/MTT/EMC contributes to the success of PIE 2025 — Empowering STEM and IoT Education in Johor Secondary Schools

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Johor Bahru, 7 May 2025 – The Faculty of Electrical Engineering (FKE), Universiti Teknologi Malaysia (UTM), hosted the Train-the-Trainers (ToT) Workshop for the Project Ideation Experience (PIE) 2025, aimed at strengthening STEM education and Internet of Things (IoT) skills among secondary schools across Johor. Building on the success of PIE 2024, this year's edition expanded its reach to more districts and schools statewide. The contribution of IEEE AP/MTT/EMC to PIE 2025 not only strengthens STEM and IoT education in Johor but also demonstrates the power of collaboration between professional engineering bodies and higher education institutions. It reflects a shared commitment to nurturing innovative, competitive, and future-ready students and educators in line with the Sustainable Development Goals (SDGs).

Project Ideation Experience (PIE) 2025

Date:
7 May 2025

Time:
09:00 - 17:00

Location:
Universiti Teknologi Malaysia,
Johor.



IEEE AP/MTT/EMC Joint Chapter Joins UTM and UNESCO in Inclusive Ferrocement Landscape Project at SMK Za'ba

IEEE Malaysia Section
IEEE Malaysia AP/MTT/EMC Joint Chapter

Kuala Pilah, 15 June 2025 - In a powerful collaboration that bridges education, engineering, and inclusion, the IEEE AP/MTT/EMC Joint Chapter and UNESCO supported a community outreach program organized by Universiti Teknologi Malaysia (UTM) and SMK Za'ba, Negeri Sembilan. The initiative aimed to enhance vocational skills among Special Needs (MBK) students through an applied project titled Ferrocement Landscape Preservation and Skill Empowerment, held from 14–15 June 2025. Led by the Riverdale Club of Kolej Rahman Putra (KRP UTM) and coordinated through UTM's Centre for Community and Industry Network (CCIN), the program involved 16 MBK students and 20 UTM facilitators. The participants were engaged in hands-on training to construct ferrocement outdoor furniture, such as landscape tables, while learning fundamental technical skills in a structured and inclusive environment. The IEEE Malaysia AP/MTT/EMC Joint Chapter played a pivotal role in the program by providing technical support, safety guidance, and STEM-based project mentoring. Their involvement ensured that the educational activities maintained engineering relevance while remaining accessible to students with diverse learning needs. This collaboration reflects IEEE's broader commitment to promoting technology for the benefit of all humanity.

Simenfero Kreativiti Landskap.

Date:
14 dan 15 Jun 2025

Time:
09:00 - 17:00

Location:
Sekolah Menengah
Kebangsaan Za'ba, Kuala
Pilah, Malaysia.



IEEE AP/MTT/EMC Elevates Innovation: Presents Special FYP Award at MJIIT's 2025 Final Year Project Symposium

IEEE Malaysia Section
IEEE Malaysia AP/MTT/EMC Joint Chapter

Kuala Lumpur, 26 June 2025 - The Malaysia-Japan International Institute of Technology (MJIIT) at Universiti Teknologi Malaysia (UTM) successfully hosted its Final Year Project (FYP) Symposium 2025, spotlighting the research excellence and industry-driven innovation of 157 graduating students across four academic programs — Electronic Systems Engineering, Mechanical Precision Engineering, Chemical Process Engineering, and Software Engineering. The event gained significant recognition through the active participation of five IEEE Malaysia Technical Chapters, including the IEEE AP/MTT/EMC Joint Chapter. These chapters played an instrumental role in evaluating projects and presenting IEEE FYP Special Awards to standout submissions that embodied originality, innovation, and tangible real-world impact. Among the recipients, Muhammad Haziq Zikry Norhaizam was honoured with the IEEE AP/MTT/EMC Special FYP Award, underscoring the chapter's commitment to acknowledging pioneering engineering talent.

Final Year Project (FYP) Symposium 2025.

Date:
26 June 2025

Time:
09:00 - 17:00

Location:
Universiti Teknologi Malaysia,
Kuala Lumpur.



IEEE Malaysia AP/MTT/EMC Joint Chapter Supports Innovation at Vi-Show 2025: Vision Showcase @ UTeM

Melaka, 26 June 2025 - The IEEE Malaysia AP/MTT/EMC Joint Chapter played a significant role as a technical collaborator in Vi-Show 2025: Vision Showcase, promoting research and development in applied electromagnetics and microwave technologies, in line with the showcase themes. The support further strengthened the platform for students to explore the real-world impact of their innovations in areas such as wireless communication, radar, and embedded AI systems. Organized by the CAVP Research Group, The Faculty of Electronic and Computer Engineering (FTEK), Universiti Teknikal Malaysia Melaka (UTeM) in collaboration with CeTRI, SMTc, JKPPiKP, and FTEK, Vi-Show 2025 not only recognized technical achievements but also fostered valuable connections between academia and industry. From facial recognition systems and smart surveillance solutions to AI-driven agriculture and healthcare applications, the showcase celebrated the remarkable creativity, technical expertise, and entrepreneurial spirit of FTEK's students and young researchers.

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Vi-Show 2025: Vision Showcase.

Date:
26 Jun 2025

Time:
08:00 - 17:00

Location:
Universiti Teknikal Malaysia Melaka (UTeM).



Call for Papers SENNANO 2025 !

IEEE Malaysia Section IEEE Sensors & Nanotechnology Council Malaysia (SNCM)

The IEEE Sensors & Nanotechnology Council Malaysia (SNCM) will be organizing the IEEE International Conference on Sensors & Nanotechnology (SENNANO 2025) from 10th to 11th September 2025 at Zenith Hotel, Putrajaya. This conference is jointly organized with the National Nanotechnology Centre (NNC), Ministry of Science, Technology and Innovation (MOSTI), as part of the implementation of the National Nanotechnology Policy and Strategy (DSNN) Action Plan 2021-2030.

We are particularly excited to highlight that Prof. Sir Konstantin Novoselov, 2010 Nobel Prize Laureate in Physics, will deliver the plenary address, alongside distinguished keynote and invited speakers from the sensors and nanotechnology fields.

Important Date:

Deadline for paper
Submission:
20 July 2025

Author Notification:
9 August 2025

Full Paper
Submission:
15 August 2025

Conference
Website:
<https://sensors-nano.ieeemy.org/conference/>

LEARN MORE

www.ieee.org

Call for Papers for IEEE International Conference on Sensors & Nanotechnology (SENNANO 2025)

Conference Date:
10th & 11th September 2025

Location:
Zenith Hotel, Putrajaya



SENNANO 2025
IEEE INTERNATIONAL CONFERENCE ON
SENSORS & NANOTECHNOLOGY
10 & 11 Sept 2025 | Zenith Hotel, Putrajaya, Malaysia

PLENARY SPEAKER	KEYNOTE SPEAKERS		
 Prof. Sir Konstantin Novoselov FRS Nobel Prize in Physics 2010 Director Institute for Functional Intelligent Materials National University of Singapore	 Prof. Hu Li Vice Dean School of Integrated Circuits Shandong University, China	 Dr. George Shaker Director Wireless Sensors and Services Laboratory University of Waterloo, Canada	 Prof. Sanjukta Bhanja Executive Associate Dean College of Engineering University of South Florida, USA
	 Assoc. Prof. Shweta Agarwala Associate Professor Department of Electronics and Computer Engineering Aarhus University, Denmark	 Dr. Radislav Potyrailo Principal Scientist GE Research, Niskayuna NY, USA	 Prof. Leong-Chuan Kwek Principal Investigator Centre for Quantum Technologies Nanyang Technological University, Singapore
INVITED SPEAKERS			
 Dr. Prasanna Krishna Jiwanti Assistant Professor Universitas Adhika, Indonesia	 Assoc. Prof. Ravindra Kumar Jha Associate Professor Department of Electronics and Computer Engineering IIT Guwahati, India	 Assoc. Prof. Mimi Yildirim-Tirgil Associate Professor Ankara Yildirim Beyazid University, Turkey	 Assoc. Prof. Tareq Ranaun Lanka Associate Professor National Institute of Technology, Assam, India
 Assoc. Prof. Wilfred Espalgar Associate Professor Department of Physics De La Salle University, Philippines			
ORGANIZER	CO-ORGANIZER		
 IEEE NANO Sensors Council Malaysia Joint Chapter	 COINN	 Southampton Malaysia	 MCTEC
	 UNEP	 IEM	 Come join us! https://sensors-nano.ieeemy.org/conference

Call for Papers SENNANO 2025 !

IEEE Malaysia Section

IEEE Sensors & Nanotechnology
Council Malaysia (SNCM)

IEEE International
Conference on Sensors &
Nanotechnology
(SENNANO 2025)

Conference Date:
10th & 11th September 2025

Location:
Zenith Hotel, Putrajaya



SENNANO 2025

CALL FOR PRESENTERS

NO PAPER SUBMISSION REQUIRED!

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JOIN US!

10 & 11 SEPTEMBER 2025
@MARRIOTT HOTEL, PUTRAJAYA, MALAYSIA

SPECIAL HIGHLIGHT – PLENARY TALK BY NOBEL LAUREATE!

Prof. Sir Konstantin Novoselov FRS
2010 Nobel Prize in Physics
Director, Institute for Functional Intelligent Materials
National University of Singapore

Don't miss this rare opportunity to hear from one of the world's leading physicists in the field of materials science and innovation!

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Calling All Researchers & Innovators!!!

IEEE Malaysia Section



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- ◆ **MECON 2025 (21–23 July, Cyberjaya):**
Explore the future of a smart world through AI, IoT, and emerging technologies.
- ◆ **MICC 2025 (27–28 August, Melaka):**
Dive into cutting-edge research in telecommunications and communication systems.
- ◆ **TENCON 2025 (27–30 October, Kota Kinabalu):**
Join IEEE Region 10's flagship event spanning power, computing, robotics, and space tech.
- ◆ **WCNC 2026 (13–16 April, Kuala Lumpur):**
A premier IEEE ComSoc global event on wireless communications and networking.

A premier IEEE ComSoc global event on wireless communications and networking. These conferences are your gateway to showcase impactful research, gain international recognition, and build networks with industry and academic leaders. Don't miss this opportunity

Submit your papers

MECON 2025



21 - 23 JULY 2025
Multimedia University,
Cyberjaya, MALAYSIA

MICC 2025



27 - 28 AUGUST 2025
Melaka, MALAYSIA

TENCON 2025



27 - 30 October 2025
Kota Kinabalu,
Sabah, MALAYSIA

WCNC 2026



13 - 16 April 2026
Kuala Lumpur,
MALAYSIA

Powering the Future: Careers in Electrical and Electronic Engineering.

IEEE Malaysia Section



On 18 April 2025, IEEE Malaysia Communications & Vehicular Technology Joint Chapter had the privilege of engaging Form 3 students from various schools at SMK Dato' Penggawa Barat, Pontian through an inspiring career talk delivered by Assoc. Prof. Ts. Dr. Leow Chee Yen (Dr. Bruce).

The session aimed to spark curiosity and encourage students to explore careers in the field of electrical and electronic engineering. Special thanks to the teachers and students who participated. Thanks also to Dr Aishah, Dr. Shikin, and Aznilinda for their involvement and support in this event. The event also featured the signing of a Surat Jalanan Kerjasama with PPD Pontian, paving the way for future collaborations in STEM school outreach programs across Pontian, Johor.

Powering the Future: Careers in Electrical and Electronic Engineering.

Date:
18 April 2025

Time:
08:00 am - 2:00 pm

Location:
SMK Dato' Penggawa Barat,
Pontian, Johor



IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp

IEEE Malaysia Section



IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp was held at Lotus Desaru Beach Resort & Spa from 25th to 27th April 2025.

Executive committee members came together for a full 2 days of strategic planning, mapping out portfolios, setting budgets, and sharing best practices to ensure a fruitful 2025–2026 term. We were honoured to welcome Advisory Council member Prof. Dr. Hafizal Mohamad, and to kick off the day with opening remarks by Assoc. Prof. Ts. Dr. Leow Chee Yen, Chair of the IEEE Malaysia ComSoc/VTS Joint Chapter and an icebreaking session.

The morning session featured a training on chapter management, IEEE Vtools & OU Analytics by our Immediate Past Chair, Prof. Dr. Mohamad Yusoff Alias, followed by portfolio presentations from all ExCom members. In the afternoon, we continued with ExCom discussions, received MICC 2025 updates from Vice Chair Assoc. Prof. Dr. Mohd Fais Mansor, and got a preview of WCNC 2026 from Prof. Dr. Hafizal Mohamad.

Thank you to the team for the enthusiasm and dedication. InsyaAllah, we will be delivering many exciting activities throughout 2025 and 2026!

IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp

Date:
25-27 April 2025

Time:
08:00 am - 10:00 pm

Location:
Lotus Desaru Beach Resort & Spa



IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp

IEEE Malaysia Section



The evening session of the IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp concluded with closing remarks and a summary of the key highlights and of course, a group photo to commemorate the occasion!

Day 2 of our IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp with teambuilding challenges and a friendly telematch. Our ExCom and family members put communication, creativity, and trust to the test. A heartfelt thank you to everyone for making the leadership camp a success!

Special thanks to Assoc. Prof. Ts. Dr. Leow Chee Yen (Dr. Bruce) & Ts. Dr. Nor Aishah Muhammad, our Secretary, for arranging the wonderful stay at Desaru. InsyaAllah, we'll turn today's teamwork into even greater success for 2025!

IEEE Malaysia ComSoc/VTS Joint Chapter 2025 Leadership Camp

Date:
25-27 April 2025

Time:
08:00 am - 10:00 pm

Location:
Lotus Desaru Beach Resort & Spa



PIE 2025: Empowering Future Innovators!

IEEE Malaysia Section



IEEE ComSoc/VTS Malaysia proudly supports Project Ideation Experience (PIE) 2025, a collaborative initiative by UTM and PPD Pontian to strengthen STEM and IoT education in Johor's secondary schools. Held at the Faculty of Electrical Engineering (FKE), UTM, the Train of Trainers workshop launched a 3-phase program focused on teacher empowerment, student innovation, and sustainable tech.

With the theme "IoT for Zero Carbon", PIE 2025 aligns with the UN Sustainable Development Goals (SDGs) by promoting environmental awareness and digital literacy. A total of 25 teachers, 5 STEM coordinators from 5 districts, and 6 UTM student facilitators are leading this transformation at the grassroots level. Congrats to all!

PIE 2025: Empowering Future Innovators!

Date:
7 May 2025

Location:
Faculty of Electrical
Engineering (FKE), UTM



Technical Talk by Prof. Emeritus Dr. Tharek Abd Rahman

IEEE Malaysia Section

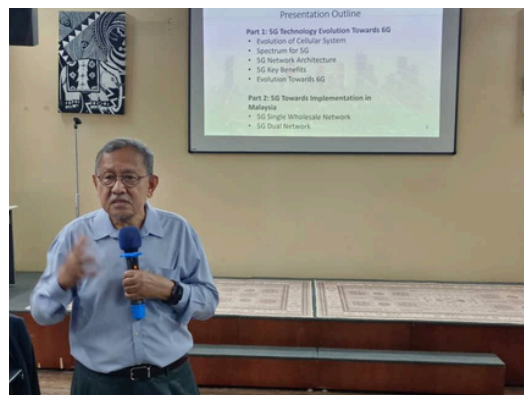


On 14 May 2025, the Faculty of Artificial Intelligence and Engineering (FAIE), MMU hosted an insightful technical talk by Professor Emeritus Dr. Tharek Abd Rahman, a prominent figure in Malaysia's wireless communications landscape. Jointly organized with the IEEE ComSoc/VTS Malaysia Chapter, Centre for Wireless Technology (CWT), and the IEEE MMU Student Branch, the event took place at the NMES Lab, MMU Cyberjaya. Titled "5G Technology Towards Implementation in Malaysia," Prof. Tharek delivered an in-depth session exploring the evolution of mobile networks from 1G to 5G, highlighting the critical role of spectrum, 5G architecture, and its transformative impact across industries. The second part of the session focused on Malaysia's 5G deployment, covering infrastructure challenges, cost optimization, and the importance of public-private partnerships in driving digital inclusion. With over 500 publications and strong industry-academia engagement, Prof. Tharek offered rare insights into Malaysia's 5G roadmap. Admission was free and the event was well-attended.

Technical Talk by Prof. Emeritus Dr. Tharek Abd Rahman

Date:
14 May 2025

Location:
Faculty of Artificial Intelligence
and Engineering (FAIE), MMU



Webinar on Implantable Antenna Technology for High-Speed Telemetry

IEEE Malaysia Section



Alhamdulillah, on Friday, 16 May 2025, the Microwave Research Group (MRG), Universiti Teknikal Malaysia Melaka (UTeM), in collaboration with the IEEE ComSoc/VTS Malaysia Joint Chapter, successfully hosted an engaging technical webinar titled "A Compact Multi-Channel Implantable Antenna for High-Speed Telemetry."

Delivered by Dr. Saad Hassan Kiani, Postdoctoral Researcher at UTeM, the session explored innovative biomedical engineering solutions using compact implantable antennas for real-time health monitoring. This topic recently published in the IEEE Transactions on Antennas and Propagation (Q1, WoS IF 4.6) captured strong interest among participants from academia and industry.

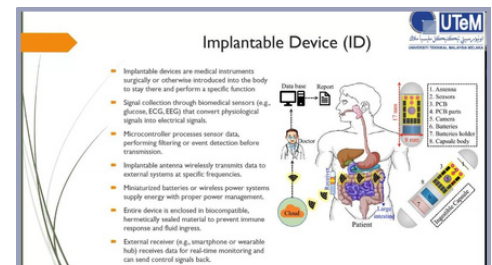
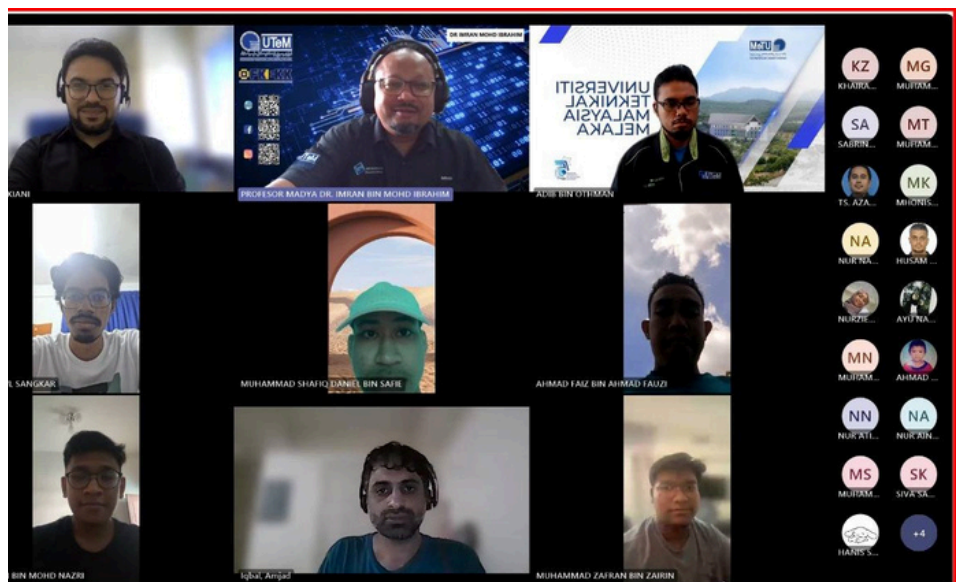
Moderated by Assoc. Prof. Dr. Imran Mohd Ibrahim, the webinar provided insights into the role of biomedical sensors, data telemetry, and the future of wireless medical devices. Sincere thanks to all participants. Missed it? Watch here: <https://msteams.link/N2WK>

Webinar on Implantable Antenna Technology for High-Speed Telemetry

Date:
16 May 2025

Time:
10.30 am - 12:00 pm

Location:
Online via MSTEams

Talk on Navigating the Telecommunications Landscape – FTTH in TM Network

IEEE Malaysia Section



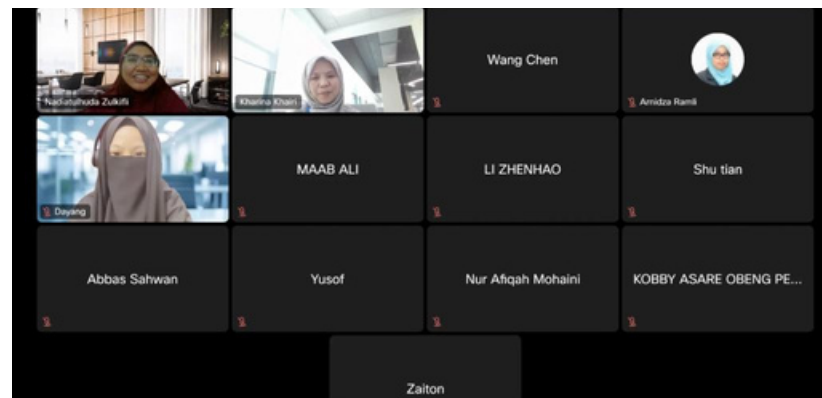
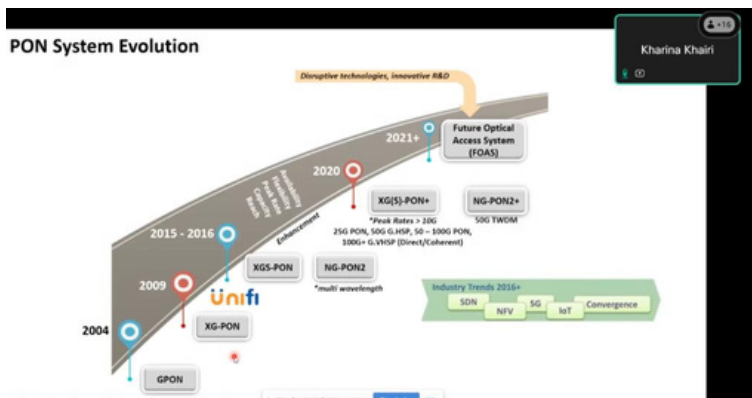
The highly anticipated webinar, "Navigating the Telecommunications Landscape – FTTH in TM Network," took place on Thursday, 19 June 2025, from 10:30 AM to 11:30 AM (MYT). Organized by the Faculty of Electrical Engineering at Universiti Teknologi Malaysia (UTM) in collaboration with the IEEE Communications Society/VTS Joint Chapter, the event offered an engaging look into the future of telecommunications.

Ir. Dr. Kharina Khairi, Assistant General Manager for Network & Architecture Technology Planning at Telekom Malaysia (TM), shared valuable insights on Fiber-to-the-Home (FTTH) technology. The speaker explained how TM is improving connectivity and network performance across Malaysia. The session was expertly moderated by Assoc. Prof. Ir. Dr. Nadiatulhuda Zulkifli from UTM. The session was very engaging, and participants were actively involved, eager to learn more about the advancements in telecommunications.

Talk on Navigating the Telecommunications Landscape – FTTH in TM Network

Date:
19 June 2025

Location:
Online
by UTM FKE x IEEE ComSoc/VTS Joint Chapter



IEEE Malaysia Section



Industry Visit to My5G Portal

On 10 June 2025, the IEEE Malaysia ComSoc/VTS Joint Chapter, in collaboration with Universiti Teknologi Malaysia, co-organised an industry visit to the MY5G Portal in Kuala Lumpur, led by Dr. Bruce Leow, Chair of the Chapter. Thirty-one students and three academic staff attended, gaining insights into real-world 5G applications and telecom careers. The visit began with a presentation from Mr. Kong Thien Lim, Head of Marketing at Ericsson, on how 5G is transforming society. Participants, guided by Ms. Nini Shaharin, explored over 50 use cases across 12 sectors, including holographic communication, remote driving, connected ambulances, and AI-powered workplace safety. Hands-on activities included remotely driving a 5G-connected RC car, virtual reality anatomy lessons, and real-time VR gaming. The MY5G Portal, developed by Digital Nasional Berhad and Ericsson, serves as an interactive centre showcasing 5G's transformative potential across industries.

Industry Visit to My5G Portal

Date:
10 Jun 2025

Location:
MY5G Portal, Kuala Lumpur



FYP2 Judging at IIUM – Best Project Award Sponsored by IEEE Malaysia ComSoc/VTS Joint Chapter

IEEE Malaysia Section



On 18 June 2025, our Executive Committee Member, Mr. Khairil Anuar, proudly represented the IEEE Malaysia ComSoc/VTS Joint Chapter (MyComVT) as a judge at the Final Year Project 2 (FYP2) Presentation held at the International Islamic University Malaysia (IIUM).

Among the shortlisted projects under the Wireless & Communication and Internet of Things tracks, Ms. Nur Farahin Binti Mohd Zaim stood out with her project titled “Wireless Modulation Classification using Artificial Intelligence.” Her outstanding work earned her the Best Project Award, sponsored by MyComVT.

Ms. Nur Farahin was selected from a pool of seven finalists and was awarded an e-Certificate and RM100 in recognition of her achievement. Congratulations to Ms. Nur Farahin on her well-deserved success, and thank you to IIUM for the opportunity to support and recognize future talents in the field of communications and IoT.

FYP2 Judging at IIUM – Best Project Award Sponsored by IEEE MyComVT

Date:

18 Jun 2025

Location:

International Islamic University Malaysia (IIUM)



Special Award from IEEE Malaysia ComSoc/VTS Joint Chapter in UTeM Final Year Project Competition (INOTEK) 2025

IEEE Malaysia Section



On 25th June 2025, the Special Award from the IEEE Malaysia Communications & Vehicular Technology Joint Chapter was won by Dakshayanie A/P Maniaruse, a student from Universiti Teknikal Malaysia Melaka (UTeM), at the Final Year Project Competition (INOTEK) 2025. The award was presented for her project, "Design and Evaluation of LoRaWAN Network Coverage in a Multi-Floor Building Environment." The project, supervised by Dr. Fakrulradzi Bin Idris, showcased innovative approaches to improving LoRaWAN network performance in multi-floor buildings. The award evaluation was carried out by our Executive Committee Member, Mr. Khairil Anuar, who represented MyComVT. Dakshayanie's hard work and contribution to advancing communications technology were proudly recognized by IEEE ComsocVTS Malaysia. Congratulations are extended to Dakshayanie for this well-deserved achievement!

FYP Judging at UTeM FYP Competition (INOTEK)

Date:
25 Jun 2025

Location:
Universiti Teknikal Malaysia
Melaka (UTeM)



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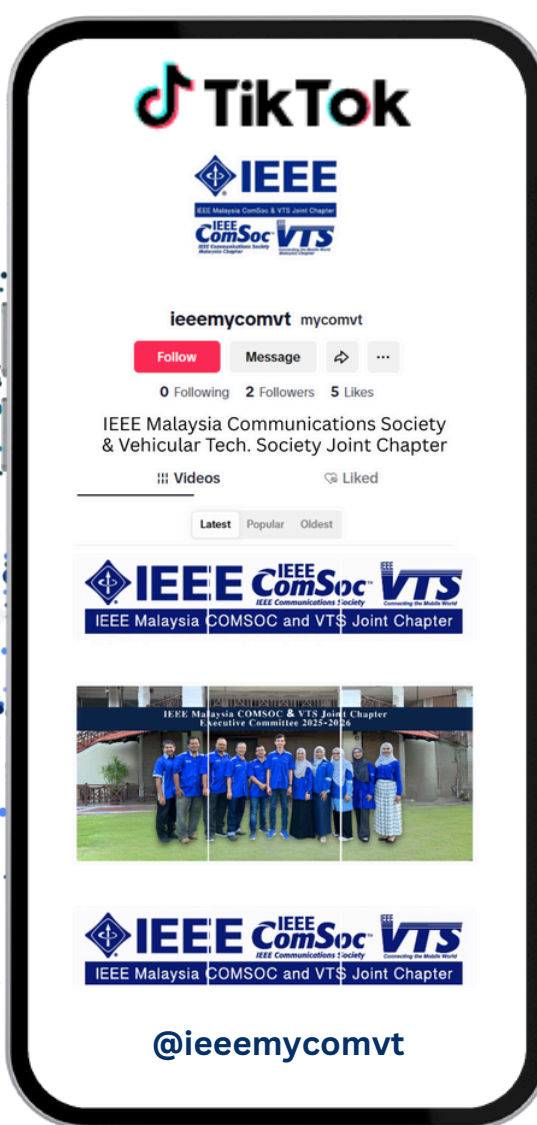
Don't miss out on behind-the-scenes moments, event sneak peeks, and all things IEEE ComSoc/VTS Malaysia! Stay informed with our latest initiatives, technical events, and community highlights on social media.

<https://www.instagram.com/mycomvt/>

<https://www.tiktok.com/@ieeemycomvt>

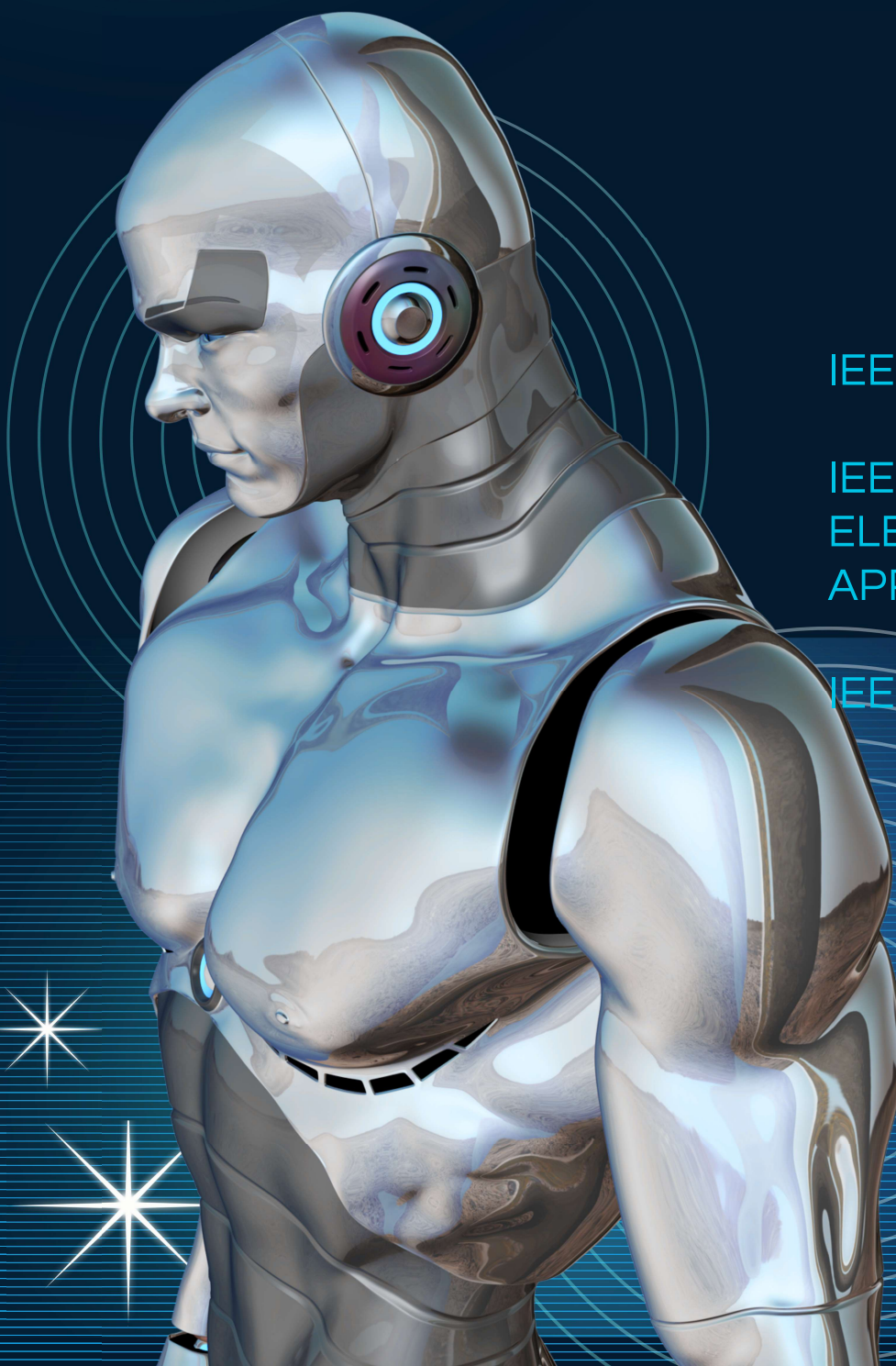
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IEEE Malaysia Section





NEXT FROM *IEEE MALAYSIA



IEEE PELS CHAPTER

IEEE INDUSTRIAL
ELECTRONICS/INDUSTRIAL
APPLICATION

IEEE MALAYSIA SECTION



IEEE REGION 10 CONFERENCE 2025

27 - 30 OCT 2025
KOTA KINABALU, SABAH, MALAYSIA

TENCON 2025

KOTA KINABALU, MALAYSIA

CALL FOR PAPERS

30th June 2025
Submission Deadline: ~~30th April, 2025~~



To Access the Website

IEEE TENCON is the flagship conference of IEEE Region 10, which comprises of 60 Sections, 6 Councils, and 42 Sub-sections across the Asia-Pacific region. The theme for TENCON 2025 is "Unleashing Innovation: Elevating Technologies to New Horizons." This prestigious event will be held in Kota Kinabalu, Sabah, Malaysia, from October 27th - 30th, 2025.

TENCON 2025 aims to gather a diverse group of participants, including researchers, educators, students, practitioners, technologists, and policymakers, from academia, government, industry, and non-governmental organizations. The conference will serve as a platform to exchange ideas, showcase achievements, and promote advances in electrical engineering, electronics, computer engineering, and information technology.

The program will feature keynote speeches and invited talks by distinguished speakers, offering insights into emerging trends and cutting-edge innovations. The conference will also include technical sessions, panel discussions, and exhibits highlighting current research and applications. The scope of the conference includes but not limited to the following tracks:

TRACKS	DATES
• Power, Energy & Electrical Systems (PES)	• Full Paper Submission Deadline: 30th June 2025
• Electronics, Circuits & Devices (ECD)	• Notification of Acceptance: From 31st July 2025
• Communication Systems (CS)	• Final Manuscript Submission: 31st August 2025
• Computing & Computational Intelligence (CCI)	• Early Bird Registration Deadline: 31st August 2025
• Control Systems & Robotics (CSR)	• Normal Registration Deadline: 5th October 2025
• Engineering Technologies & Society (ETS)	

TENCON 2025 will feature both invited and contributed papers. The best papers will be selected from the contributed papers for awards. The presented papers will be submitted to IEEE Xplore which is indexed by major databases. Prospective authors are invited to submit full papers with IEEE double-column format via EDAS link: <https://edas.info/N33529>.

Organized by

IEEE Malaysia Section

IEEE Region 10

IEEE

Advancing Technology for Humanity

More Information

<https://ieeemy.org/tencon2025/>

tencon2025sabah@gmail.com

LEARN MORE

<https://ieeemy.org/tencon2025/>

ORGANIZED BY:   

EPSSCOM 2025

ELECTRICAL POWER SYSTEM SIMULATION COMPETITION

DATE: 6th DECEMBER 2025
VENUE: UNIVERSITI TUNKU ABDUL RAHMAN,
SUNGAI LONG CAMPUS

Theme:
Transition to a Low-Carbon Network

 **IMPORTANT DATES:**

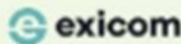
- REGISTRATION**
21st July – 30th September 2025
- BRIEFING SESSION**
12th September 2025
- REPORT AND VIDEO SUBMISSION**
7th November 2025
- COMPETITION DAY**
6th December 2025

REGISTER NOW!



FOR MORE INFORMATION PLEASE VISIT:
<https://forms.gle/EPSSCOM2025>

FOR FURTHER INQUIRY:
EPSSCOM2025@gmail.com

SPONSORED BY:     

Program Name: Electrical Power System Simulation Competition (EPSSCOM)

Date: 6th December 2025

(Registration 21st July – 30th Sept. 2025)

Time: 09:00 – 17:00

Registration link: <https://forms.gle/3mCYwsVdVcrBcwbs7>



2025 IEEE International Conference on Agrosystem Engineering, Technology & Applications
28 - 29 November 2025 | Shah Alam, Malaysia

AGRETA 2025

The IEEE Industrial Applications / Industrial Electronics Joint Chapter Malaysian Section is proud to organize the 3rd 2025 IEEE International Conference On Agrosystem Engineering, Technology & Applications (AGRETA2025). AGRETA 2025 will be held on 28th - 29th November 2025 at Mardhiyyah Hotel & Suites, Shah Alam, Malaysia.

TOPICS:

- Precision & Smart Agriculture
- Industrial Electronics & Applications in Agriculture
- IoT, Sensors & Artificial Intelligence in Agriculture
- Food Security, Waste Management & Sustainable Technology
- Agriculture Mechanization, Automation & Drones Technology
- Remote Sensing & Geographic Information System (GIS)
- Non-Destructive Testing Methods in Agriculture
- Other related topics

PUBLICATION

All presented papers will be submitted for inclusion in IEEE Xplore and possibly indexed by Scopus.

IMPORTANT DEADLINES

Submission Deadline:
31st August 2025 **Extended**

Notification Deadline:
1st September 2025 onwards

Registration & Camera-Ready Deadline:
1st October 2025

Conference Dates:
28th - 29th November 2025

CONFERENCE FEES

Category	Fee (USD)
LOCAL	
IEEE MEMBER	RM 1000
NON-IEEE MEMBER	RM 1500
IEEE STUDENT MEMBER	RM 500
NON-IEEE STUDENT MEMBER	RM 800
CHAIRPERSON	RM 400
INTERNATIONAL	
IEEE MEMBER	USD 400
NON-IEEE MEMBER	USD 600
IEEE STUDENT MEMBER	USD 200
NON-IEEE STUDENT MEMBER	USD 300
CHAIRPERSON	USD 100

JOIN NOW

AGRETA 2025



Submission Guideline: <https://bit.ly/46kELIx>

Call for Papers and Reviewers: The 3rd 2025 IEEE International Conference on Agrosystem Engineering, Technology & Applications (AGRETA 2025)
28th - 29th November 2025, Mardhiyyah Hotel & Suites, Shah Alam, Malaysia.

Website: <http://bit.ly/4IKXiLV>
Facebook: <https://www.facebook.com/IEEEAGRETA/>
LinkedIn: <https://www.linkedin.com/company/99036552>

The IEEE Industrial Applications / Industrial Electronics Joint Chapter Malaysian Section is proud to organize The Third 2025 IEEE International Conference On Agrosystem Engineering, Technology & Applications (AGRETA 2025). AGRETA 2025 will be held on 28th - 29th November 2025 in Mardhiyyah Hotel & Suites, Shah Alam, Malaysia. This event calls for local and international participation. Please submit your papers via our submission system at:

<https://tinyurl.com/yck93mww>

www.ieee.org



JOIN US @ 2025 IEEE SCORed

STUDENT CONFERENCE ON RESEARCH AND DEVELOPMENT

25-26 November 2025

Faculty of Engineering,
Universiti Malaysia,
Kuala Lumpur, Malaysia

REGISTER NOW

THEME: CONVERGENCE OF INTELLIGENT SYSTEMS AND SUSTAINABLE ENGINEERING: SHAPING THE FUTURE OF TECHNOLOGY AND SOCIETY

REGISTRATION FEE:

	Early Bird (1-15 Sept 2025)	Normal (16-30 Sept 2025)	Student (1-15 Oct 2025)	Faculty (16-30 Oct 2025)
Registration Fee	150	180	120	250
Student Discount	-	-	-50	-
Faculty Discount	-	-	-	-100
Early Bird Discount	-	-	-	-
Final Fee	150	180	70	150

IMPORTANT DATES:

- Call for papers: **01 Jul 2025**
- Submission of Full Paper: **15 Sept 2025**
- Notification of Acceptance: **30 Sept 2025**
- Registration Deadline (Early Bird): **31 Oct 2025**
- Registration Deadline (Normal): **10 Nov 2025**
- Final Camera-Ready Paper Deadline: **10 Nov 2025**

SUB THEMES:

- Artificial Intelligence
- Automation, Mechatronics & Robotics
- Big Data Analytics
- Cloud, Edge, & Fog Computing
- Control, Signal, & Image Processing
- Curriculum Development & Professional Development
- Engineering Management
- Healthcare & Medical Technology
- Industrial Engineering
- Internet of Things (IoT)
- Law & Ethics
- Manufacturing Engineering
- Material & Communication Technology
- Power & Energy
- Quality & Reliability
- Signal Processing & Imaging
- Sustainable Engineering
- Technology for Sustainable Development
- Transportation Engineering
- Urban & Environmental Engineering
- Virtual Reality & Augmented Reality

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QR CODES:

CONTACT:

WEBSITE:

The IEEE Student Conference on Research and Development (SCORed 2025), organized by Universiti Malaya Student Branch and IEEE Malaysia Section, invites researchers, students, and professionals to submit original papers for its 2025 edition. Scheduled for 25-26 November 2025 at the Faculty of Engineering, Universiti Malaya, Kuala Lumpur, Malaysia, this conference will explore the theme "Convergence of Intelligent Systems and Sustainable Engineering: Shaping the Future of Technology and Society."

Key Dates

- Call for Papers: **31 July 2025**
- Submission of Full Paper: **15 September 2025**
- Notification of Acceptance (Early Bird): **30 September 2025**
- Registration Deadline (Early Bird): **31 October 2025**
- Registration Deadline (Normal): **10 November 2025**
- Final Camera-Ready Paper Deadline: **10 November 2025**



Call for Papers and Reviewers: 2025 9th IEEE Symposium on Wireless Technology & Applications (ISWTA 2025) – HYBRID CONFERENCE

12 - 13 December 2025, PARKROYAL Penang Resort, Penang Island, Malaysia.

Important dates

Extended submission of full papers deadline: **31 August 2025**

Notification of acceptance: **1 August 2025 onwards**

Registration & camera-ready submission deadline: **12 October 2025**

Website: <https://tinyurl.com/48vnjsrf>

Facebook: [IEEE Symposium on Wireless Technology & Applications - ISWTA](#)

LinkedIn: <https://www.linkedin.com/company/99141948>



THANK YOU



<https://www.facebook.com/IEEE.my/>

