

IEEE Malaysia Section

FUTURES



Vol. 3

Dis 2025

**We Work Together as
IEEE Malaysia**

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IEEE Malaysia Section
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IEEE MALAYSIA
CHAPTERS NEWS

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36TH ANNUAL GENERAL
MEETING

FYP IEEE DEIS Award 2025

The Final Year Project (FYP) for the 2024/2025 academic session of the Electrical Engineering Program (RK23) and the Mechatronics Engineering Program (RK24) under the Faculty of Electrical Engineering & Technology, UniMAP, concluded successfully with the second edition of the *FYP IEEE DEIS Award 2025* held on 24 November 2025. This award was sponsored by IEEE DEIS Malaysia Chapter. Chaired by PM Ir. Ts. Dr. Baharuddin Ismail (Deputy Dean of Academic & Research), PM Ir. Dr. Mohd. Azrik Roslan (Head of Electrical Engineering Department), and PM Dr. Kamarulzaman Kamaruddin (Head of Mechatronics Engineering Department). The awards were divided into two categories, Electrical Engineering and Mechatronics Engineering. The outcomes of these FYP projects have been presented at various international conferences and published in conference proceedings and journals, including ICoMMS 2025, ICAROB 2026 (Japan), RoViSP 2025, AIDT 2025, IJARIS Journal, and IEEE Xplore. IEEE DEIS congratulates all winners and supervisors for their outstanding achievements.

IEEE Malaysia Section

IEEE Dielectrics and Electrical Insulation Society (DEIS)

FYP IEEE DEIS Award 2025

Date:

24 November 2025

Time:

09:00 AM CST to 11:30 AM CST

Location:

Universiti Malaysia Perlis
arau, Perlis Malaysia



Hi-Tea with IEEE DEIS Malaysia: Connect, Learn & Share

The “Hi-Tea with IEEE DEIS Malaysia: Connect, Learn & Share” programme was successfully held on 5 December 2025 by the IEEE DEIS Malaysia Chapter in collaboration with the Faculty of Electrical Engineering, Universiti Teknologi MARA (UiTM) Shah Alam, and co-organised and sponsored by IEEE Young Professionals Malaysia under the Local Activity initiative. The event attracted 65 participants. Official proceedings started with an introduction to IEEE DEIS delivered by Assoc. Prof. Ir. Dr. Norhafiz Azis, Chair of IEEE DEIS Malaysia. Followed by the technical programme featured two sessions, beginning with a talk on high voltage partial discharge by Assoc. Prof. Ir. Dr. Mohd Yousof and Mohd Fairouz, followed by a session on lightning detection systems by Ir. Ts. Dr. Wooi Chin Leong. The event featured the IEEE DEIS Malaysia Excellence in Engineering Award 2025, recognising achievements in high voltage and insulation engineering. Lastly, end with a guided visit to the UiTM High Voltage Laboratory. The programme successfully enhanced technical knowledge, strengthened professional networking, and fostered collaboration between academia, students, and the IEEE community, receiving positive feedback and concluding with strong interest in future DEIS and YP activities.



IEEE Malaysia Section

IEEE Dielectrics and Electrical Insulation Society (DEIS)

Hi-Tea with IEEE DEIS Malaysia: Connect, Learn & Share

Date:

05 December 2025

Time:

08:00 AM CST to 04:00 PM CST

Location:

Dewan Al-Hidayah, Faculty of Electrical Engineering, UiTM Shah Alam, Selangor Malaysia



Industry Relation Student Event Factory Tour

IEEE Malaysia Section
Electronics Packaging Society

IEEE EPS MALAYSIA in collaboration with NXP hosted 2 lecturers and 19 students from Monash universities of Malaysia for an exclusive educational visit to its semiconductor packaging facility in Petaling Jaya.

The group was given a guided tour of several production lines, including ball grid array, leaded packages, flip-chip, and System-in-Package (SiP) technologies. Students had the opportunity to observe real-time manufacturing processes, interact with NXP engineers, and gain insights into the complexities of modern semiconductor packaging.

This visit is part of IEEE EPS MALAYSIA ongoing commitment to fostering industry-academia collaboration and inspiring the next generation of engineers. The engagement provided students with a valuable glimpse into the practical applications of their studies and the future of electronics innovation.

Inside Industry: Student Factory Tour

Date:

14 October 2025

Time:

12:30pm - 05:30pm

Location:

NXP manufacturing facilities,
Petaling Jaya



LEARN MORE

www.ieee.org

Advanced Packaging Workshop Penang Malaysia

IEEE Malaysia Section
Electronics Packaging Society

On October 15, 2025, the IEEE Electronics Packaging Society (EPS) Malaysia Chapter hosted Advanced Packaging Workshop at G Hotel, Penang, drawing strong participation from both industry and academia.

Dr. Beth Keser, delivered a comprehensive session on “Introduction to and Advances in 2.3D Fan-Out Wafer & Panel Level Packaging”, highlighting the latest innovations and trends in high-density integration and market benchmark.

Dr. Lee Teck Kheng, who presented on “Reliability Management”, sharing best practices and methodologies for ensuring long-term performance and robustness in advanced semiconductor packages.

The workshop attracted 87 participants, including professionals from leading companies such as Intel, TF-AMD, QDOS, Indium, and many others. The presence of students from universities like USM, UniMAP, and other institutions added a vibrant academic dimension to the event, fostering meaningful interaction between future engineers and seasoned industry experts.

This initiative reflects IEEE EPS Malaysia’s ongoing commitment to nurturing technical excellence, promoting knowledge exchange, and strengthening Malaysia’s position in global semiconductor packaging ecosystem.

EPS Webinar Series

Date:
15th Oct 2025

Time:
08:00am - 05:30pm

Location:
G Hotel Penang, Malaysia



LEARN MORE

Advanced Packaging Workshop Bangi Malaysia

IEEE Malaysia Section
Electronics Packaging Society

On 17 October 2025, the IEEE Electronics Packaging Society (EPS) Malaysia Chapter held a successful Advanced Packaging Workshop at Bangi Resort Hotel, bringing together professionals and students for a day of deep technical learning and industry engagement.

Dr. Beth Keser, presented “Introduction to and Advances in 2.3D Fan-Out Wafer & Panel Level Packaging”, offering insights into the evolution and future direction of high-performance packaging technologies.

Dr. Lee Teck Kheng, who spoke on “Reliability Management”, emphasizing the importance of robust design and testing methodologies in ensuring product longevity and performance.

The event drew 53 participants from leading semiconductor companies such as NXP, onsemi, Infineon, Texas Instruments and many others. It also welcomed enthusiastic participation from students representing UM, UKM, and other Malaysian universities, creating a dynamic mix of experience and curiosity.

Throughout the day, attendees engaged in lively discussions, exchanged ideas, and explored the latest trends shaping the semiconductor packaging landscape. The workshop underscored IEEE EPS Malaysia’s commitment to bridging academia and industry, and to nurturing the next generation of packaging professionals.

EPS Webinar Series

Date:
17th Oct 2025

Time:
08:00am - 05:30m

Location:
Bangi Resort Hotel, Malaysia



[LEARN MORE](#)

Panel Session : AI in Packaging

IEEE Malaysia Section Electronics Packaging Society

IEEE EPS Malaysia organized two insightful panel sessions titled “How AI Can Help in Packaging”, held in Penang and Bangi, moderated by KC Tan, Chair of IEEE EPS Malaysia.

Discussions focused on AI applications in process control, defect detection, and material optimization.

Panelists included:

Prof. Cheong Kuan Yew (Materials Scientist)
Dr. Beth Keser (Advanced Packaging)
Dr. Lee Teck Kheng (Interconnect Specialist)
Dr. Eu Poh Leng (Senior Director, Package Development)
Mr. Hee Wei Ken (Dispensing Expert)

Topics covered included model training challenges, failure prediction, and the view that AI is a tool—not a solution for every problem, with reflections on its impact on engineering roles.

Both sessions drew strong participation from industry and academia, reinforcing IEEE EPS Malaysia’s role in driving dialogue on smart packaging technologies.

How AI can help in Packaging

Date:
15th Oct 2025
17th Oct 2025

Time:
01:30pm - 02:00pm

Location:
G Hotel Penang Malaysia
Bangi Resort Hotel Malaysia



Charting the Future with Malaysia's 13th Plan

IEEE Malaysia Section Electronics Packaging Society

IEEE Electronics Packaging Society (EPS) Malaysia, in collaboration with the Institution of Engineering and Technology, organized an engaging forum at Monash University titled "Charting the Future with Malaysia's 13th Plan." The event brought together students and professionals to explore emerging trends and opportunities in engineering.

Key Topics included:

1. Semiconductors
2. Electrical Energy Development
3. Artificial Intelligence (AI)

The discussions covered critical areas such as model training challenges, failure prediction, and the perspective that AI serves as a powerful tool—not a universal solution—along with reflections on its impact on future engineering roles.

The forum attracted 35 participants from universities, colleges, and high schools, fostering meaningful dialogue on shaping Malaysia's technological future.

TechVision Forum :

Date:
22nd Nov 2025

Time:
09:00am - 03:00pm

Location:
Taylor's University Lakeside
Campus



iCoSEM University of Malaya

IEEE Malaysia Section Electronics Packaging Society

The 6th International Conference on the Science and Engineering of Materials (ICoSEM 2025) was successfully held, organized by the Centre of Advanced Materials (CAM), Universiti Malaysia and Co-organized by IEEE Electronics Packaging Society (EPS) Malaysia Chapter. The event served as a significant platform for knowledge exchange and collaboration among researchers, industry professionals, and academics in the field of materials science.

The conference featured comprehensive discussions on emerging trends, including Sustainable and Green Materials, with sessions highlighting innovative approaches and future directions for the industry. Participants engaged in thought-provoking dialogues on advancing materials technology to meet global sustainability goals. ICoSEM 2025 was made possible through the dedicated efforts of the organizing committee and student volunteers, whose professionalism and commitment ensured the smooth execution of the event.

International Conference:

Date:
26th -27th Nov 2025

Time:
09:00am - 05:30pm

Location:
Armada Hotel, Petaling Jaya



MiCSETS 2025

IEEE Malaysia Section Electronics Packaging Society

The 2nd MiCSETS Symposium was held on 10 December 2025, bringing together experts and industry leaders to discuss advancements in microelectronics and system technologies.

Key focus areas included Analog & RF IC Design, Digital Circuit Design, System Design, MEMS, Materials & Device Fabrication, Optoelectronics, and Packaging & Test.

Organized by UniMAP's Faculty of Electronic Engineering & Technology and co-organized by IEEE Electronics Packaging Society (EPS), the event aligned with Malaysia's National Semiconductor Strategy (NSS) to strengthen the nation's semiconductor capabilities. A highlight was the session by Ir. Dr. Wong Shaw Fong, emphasizing advanced packaging integration to boost Malaysia's global semiconductor position. The symposium featured distinguished speakers, fostering collaboration between academia and industry. MiCSETS 2025 reinforced IEEE EPS's mission to champion advanced packaging and system integration as key enablers for Malaysia's NSS.

2nd International Symposium on Emerging Trends in Semiconductor Technology

Date:
10th Dec 2025

Time:
08:30am - 04:30pm

Location:
online



Technical Talk

IEEE Malaysia Section Electronics Packaging Society

On 17 December 2025, a technical talk titled “Materials Science and Engineering for Electronic Packaging” was successfully conducted at Sri Venkateswara University, Andhra Pradesh, India.

The session was initiated by Prof. Cheong Kuan Yew, Distinguished Lecturer of the IEEE Electronics Packaging Society (EPS). The event aimed to provide MSc students with insights into the critical role of materials science in electronic packaging technologies.

Topics covered included advanced materials selection, reliability considerations, and emerging trends in packaging for next-generation electronics. The session attracted 50 participants, including students and faculty members.

The interactive discussion fostered knowledge exchange and highlighted the importance of interdisciplinary approaches in electronics packaging.

Materials Science and Engineering for Electronic Packaging

Date:
17th Dec 2025

Time:
11:30 AM to 12:30 PM

Location:
Sri Venkateswara University,
Andhra Pradesh, India.



On Wireless Bridging and Electromagnetic Compatibility

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Johor, 26 August 2025 – The IEEE Malaysia AP/MTT/EMC Joint Chapter successfully organized the **AP Technical Meeting Series 3/2025** on **26 August 2025**, from 9.00 a.m. to 2.00 p.m. (MYT) **at** Bilik Persidangan RMC Aras 1, Bangunan Penyelidikan F6, Universiti Tun Hussein Onn Malaysia. The meeting featured two plenary talks by **Assoc. Prof. Dr. Syarfa' Zahirah Sapuan**, who highlighted the importance of electromagnetic compatibility in railway systems, and **Prof. Dr. Muhammad Ramlee Kamarudin**, who discussed the role of wireless bridging in connecting underserved communities to overcome the digital divide. In addition, four research presentations were delivered by **Hamza Ahmad (UTM)**, **Muhammad Sazlan (UTHM)**, **Najla Ilyana (UTM)**, and **Dr. Nurul Syafeeqa (Comrel Technologies)**, covering recent advances in antennas, microwave engineering, and electromagnetic applications. Overall, the event provided an effective platform for technical knowledge sharing, academic-industry engagement, and professional networking.

AP TECHNICAL MEETING

Date:

26 August 2025

Time:

09:00 am - 2.00 pm

Location:

Universiti Tun Hussein Onn
Malaysia.



The poster features logos for IEEE, IEEE AP-S, MTT-S, EMC Society, and EMW CENTER. It lists two plenary speakers: Prof. Dr. Muhammad Ramlee Kamarudin (Professor, UTHM) and Assoc. Prof. Dr. Syarfa' Zahirah Sapuan (Associate Professor, UTHM). The background shows a modern building and a train.

IEEE Advancing Technology for Humanity | IEEE AP-S Antennas and Propagation Society | MTT-S SOCIETY | EMC SOCIETY | EMW CENTER

AP TECHNICAL MEETING SERIES

Plenary Speaker
PROF. DR. MUHAMMAD RAMLEE KAMARUDIN
Professor, UTHM
EMPOWERING COMMUNITIES BY CONNECTING THE UNCONNECTED THROUGH WIRELESS BRIDGING TO OVERCOME THE DIGITAL DIVIDE

Plenary Speaker
ASSOC. PROF. DR. SYARFA' ZAHIRAH SAPUAN
Associate Professor, UTHM
ELECTROMAGNETIC COMPATIBILITY (EMC) IN RAILWAYS: UNSEEN, BUT ESSENTIAL

Most Improved Chapter Award

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Rayleigh, Nc, 18-22 August 2025 - The IEEE Malaysia AP/MTT/EMC Joint Chapter has been recognized with the **2025 Most Improved Chapter Award** by the IEEE Electromagnetic Compatibility Society (EMC-S), as announced during the **2025 IEEE International Symposium on Electromagnetic Compatibility & Signal/Power Integrity (EMC+SIPI 2025)** held in Raleigh, North Carolina, USA. This significant achievement of award reflects the strong commitment and collective efforts of the Executive Committee and members in advancing electromagnetic compatibility research, education, and community engagement in Malaysia. The chapter also extends its appreciation to all collaborators, partners, and volunteers whose continuous support has contributed to the successful implementation of its programs and initiatives. This recognition further motivates the chapter to strengthen its activities and continue making meaningful contributions to the global EMC community.

2025 Most Improved Chapter Award

Date:
18-22 August 2025

Location:
Raleigh, North Carolina, USA



IEEE International RF and Microwave Conference (RFM 2025)

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Penang, 19 September 2025 - The 10th IEEE International RF and Microwave Conference (RFM 2025) was successfully held 17–19 September 2025 in Penang, Malaysia, serving as a premier international forum for researchers and engineers in RF, microwave, antenna, and related wireless systems to present and discuss advancements in theory, design, and applications. RFM 2025 features distinguished keynote speakers from both academia and industry, namely Prof. Amin Abbosh from the University of Queensland, Australia; Prof. Mohammad Hossein Zarifi from the University of British Columbia, Canada; and Ir. Ts. Dr. Lee Yeng Seng, Senior R&D Engineer at Keysight Technologies Sdn. Bhd., whose expertise spans RF systems, microwave sensing, and advanced measurement technologies, offering valuable insights to conference participants. The program also included a Women in Microwaves (WiM) session highlighting female leadership and innovation in the field, as well as activities supported by IEEE Young Professionals, fostering engagement and professional development among early-career engineers. Overall, RFM 2025 offered a rich blend of technical presentations, networking opportunities, and special sessions that strengthened collaboration within the global RF and microwave community.

IEEE International RF and Microwave Conference (RFM 2025).

Date:

17-19 September 2025

Time:

08:00 - 17:00

Location:

Bahang Bay Hotel, Penang.



AP Technical Meeting Series Explores AI and Advanced Microwave Sensing Technologies

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Cyberjaya, 11 november 2025 – The IEEE Malaysia AP/MTT/EMC Joint Chapter successfully organized the AP Technical Meeting Series on Tuesday, 11 November 2025, held at the IDEAS Lab, Faculty of Artificial Intelligence and Engineering (FAIE), Multimedia University, with hybrid participation. The event featured two distinguished plenary speakers: **Prof. Ts. Dr. Mardeni bin Roslee FASc** from Multimedia University, who delivered an insightful talk on “*AI in Agriculture: Why and How?*”, highlighting the transformative role of artificial intelligence in modernizing agricultural practices; and **Assoc. Prof. Dr. Syah Alam** from Universitas Trisakti, who presented on “*Integrated Microwave Sensor with Antenna for Material Characterization and Data Transfer Capabilities*”, showcasing cutting-edge research in microwave sensing and antenna integration. The session attracted academics, researchers, and industry practitioners, fostering active knowledge exchange and reinforcing collaboration in AI, antennas, propagation, and microwave technologies.

AP TECHNICAL MEETING

Date:

11 November 2025

Time:

11: 00 am

Location:

Multimedia University,
Malaysia.



IEEE AP-S, EMC SOCIETY, CWT, FORC, MTT-S, AP-S, IEEE Malaysia AP/MTT/EMC Joint Chapter, MMU, FACULTY OF ARTIFICIAL INTELLIGENCE AND ENGINEERING, IEEE MTT/AP Joint Chapter Indonesia

AP TECHNICAL MEETING SERIES

Plenary Speaker
PROF. TS. DR. MARDENI BIN ROSLEE FASc
Professor, Multimedia University
AI IN AGRICULTURE: WHY AND HOW?

Plenary Speaker
ASSOC. PROF. DR. SYAH ALAM
Associate Professor, Universitas Trisakti
INTEGRATED MICROWAVE SENSOR WITH ANTENNA FOR MATERIAL CHARACTERIZATION AND DATA TRANSFER CAPABILITIES

Tuesday, 11 November 2025
11:00 AM

IDEAS Lab, Faculty of Artificial Intelligence and Engineering (FAIE),
Multimedia University

Video Call Link
<https://tinyurl.com/APTM5-2025>

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

IEEE Distinguished Lecture : Prof. Dr. Ichige Koichi

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Cyberjaya, 11 November 2025 - The IEEE Malaysia AP/MTT/EMC Joint Chapter organized a **Distinguished Lecture Program (DLP)** featuring **Prof. Dr. Ichige Koichi** from **Yokohama National University, Japan**. The lecture, titled **"Machine Learning Applications in Digital Sensing and Wireless Communications,"** was held on **11 November 2025 (Tuesday)** from **9:45 AM to 11:00 AM** at the **IDEAS Lab, Faculty of Artificial Intelligence and Engineering (FAIE), Multimedia University**. The event aimed to explore the integration of machine learning techniques in enhancing digital sensing and wireless communication systems, providing attendees with insights into cutting-edge research and practical applications.

IEEE Distinguished Lecture Series 2/2025

Date:

11 November 2025

Time:

9:45 - 11:00

Location:

Multimedia University,
Malaysia.



The poster features a portrait of Prof. Dr. Ichige Koichi on the left. The right side contains the following text:

IEEE DISTINGUISHED LECTURE PROGRAM (DLP)

Prof. Dr. Ichige Koichi
Yokohama National University, Japan

**Machine Learning Applications
in Digital Sensing and Wireless
Communications**

11 November 2025, Tuesday
9:45 AM - 11:00 AM
IDEAS Lab,
**Faculty of Artificial Intelligence
and Engineering (FAIE),**
Multimedia University

Registration Link:
<https://forms.gle/EJ5Gqq43n2H5G4EBA>

Logos at the top include: IEEE, IEEE AP-S, EMC SOCIETY, CWT, MMU, and Faculty of Artificial Intelligence and Engineering.

At the bottom, there is a QR code and the registration link: <https://forms.gle/EJ5Gqq43n2H5G4EBA>.

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

IEEE Distinguished Lecture : Prof. Kwok Wa Leung

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Perlis, 5 December 2025 - On 5 December 2025, the IEEE Malaysia AP/MTT/EMC Joint Chapter, in collaboration with Universiti Malaysia Perlis (UniMAP), hosted the Distinguished Lecture Series 3/2025 at the Keysight Industrial Lab, TVET Centre, UniMAP. The lecture was delivered by Prof. Kwok Wa Leung from the City University of Hong Kong, focusing on "Glass Antenna for Wireless Communications." The session, held from 3:00 PM to 5:00 PM, provided attendees with insights into the development and application of innovative glass-based antenna technology for modern wireless communication systems. The event aimed to foster knowledge sharing among professionals, researchers, and students in antenna design and electromagnetic engineering. Participants were encouraged to register in advance through the provided online link.

IEEE Distinguished Lecture Series 3/2025

Date:

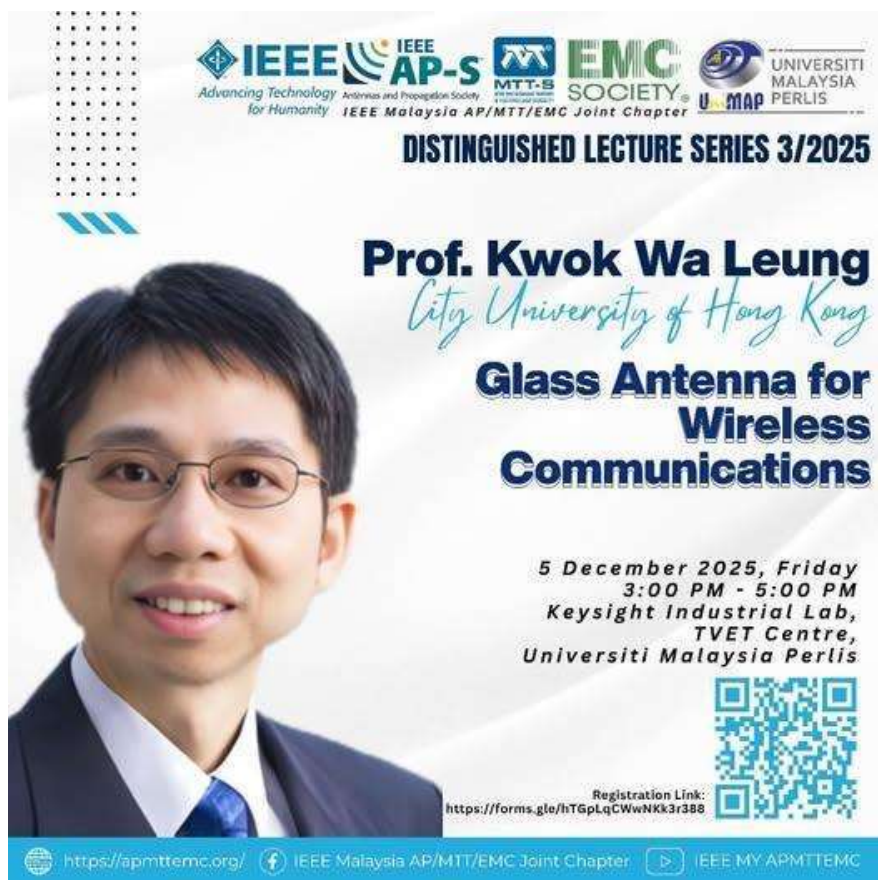
5 December 2025

Time:

15:00-17:00

Location:

Universiti Malaysia Perlis
(UniMAP)



The poster features a portrait of Prof. Kwok Wa Leung on the left. The top section contains logos for IEEE, AP-S, MTT-S, EMC Society, and Universiti Malaysia Perlis (UniMAP). The main title is "DISTINGUISHED LECTURE SERIES 3/2025". Below this, the speaker's name "Prof. Kwok Wa Leung" is written in a large, bold font, followed by "City University of Hong Kong" in a script font. The lecture topic "Glass Antenna for Wireless Communications" is displayed in a large, bold font. The date and time "5 December 2025, Friday 3:00 PM - 5:00 PM" and the location "Keysight Industrial Lab, TVET Centre, Universiti Malaysia Perlis" are listed. A QR code is provided for registration, along with the registration link: <https://forms.gle/hTGpLqCWwNkK3r388>. At the bottom, there are social media links for the IEEE Malaysia AP/MTT/EMC Joint Chapter and the IEEE MY APMTTEMC group.

IEEE Distinguished Lecture : Assoc. Prof. Dr. Chung-Tse Michael Wu

IEEE Malaysia Section

IEEE Malaysia AP/MTT/EMC Joint Chapter

Johor, 10 December 2025 - The **IEEE Malaysia AP/MTT/EMC Joint Chapter** in collaboration with **Wireless Communication Centre, UTM**, successfully hosted the **Distinguished Lecture Series 4/2025** on **10 December 2025** at Demo Room 2, Block P16, FKE, UTM. The lecture featured **Assoc. Prof. Dr. Chung-Tse Michael Wu** from **National Taiwan University**, who presented on “**Sensing, Tracking, and Secured Communication with Artificial Electromagnetic Materials**”. The session highlighted cutting-edge research on the use of artificial electromagnetic materials for advanced sensing, tracking, and secure communication applications, offering valuable insights to academics, researchers, and students in the field of antennas, propagation, and electromagnetic systems.

IEEE Distinguished Lecture Series 4/2025

Date:

10 December 2025

Time:

15:00-17:00

Location:

Universiti Teknologi Malaysia
(UTM), Johor



DISTINGUISHED LECTURE SERIES 4/2025



Assoc. Prof Dr Chung-Tse Michael Wu
National Taiwan University

Sensing, Tracking, and Secured Communication with Artificial Electromagnetic Materials

Date : 10 Disember 2025

Time : 10.00 - 11.30 am

Venue : Demo Room 2, Block P16, FKE, UTM

GUEST SPEAKER

Organized by IEEE Malaysia AP/MTT/EMC Joint Chapter and Wireless Communication Centre UTM

The 8th International Conference on New Media Studies

IEEE Malaysia Section



IEEE Computational Intelligence Society Malaysia Chapter was honoured to serve as the Technical Co-Sponsor of CONMEDIA 2025, contributing its expertise, community leadership, and commitment to advancing the computational intelligence research community. This year, the conference theme, "Empowering a Sustainable Future Through AI and Human-Machine Communication", was organised jointly with the Faculty of Engineering and Informatics, Universitas Multimedia Nusantara (UMN), Indonesia, and co-organised with Multimedia University (MMU), Malaysia.

We congratulate all participants and contributors for advancing dialogue and collaboration in the field of new media studies!

CONMEDIA 2025

Date:
14-17 October 2025

Time:
09:00 - 17:00

Location:
Multimedia University,
Malacca, Malaysia



CIC 2025 JOINT CONFERENCE

CONMEDIA 2025 | ICON-SONICS 2025 | COMNEWS 2025

OCT 14-17 2025 AT MULTIMEDIA UNIVERSITY Malacca, Malaysia

KEYNOTE SPEAKERS

 IR. ANDREY ANDOKO, M.Sc, PhD Universitas Multimedia Nusantara (UMN), Indonesia	 PROF. DATO' DR. MAZUHAM MOHD SU'UD Multimedia University, Malaysia	 PROF. EDSON C. TANDOC JR. Wee Kim Wee School of Communication and Information - NTU, Singapore	 PROFESSOR DR. MARDENI BIN ROSLEE FASC Multimedia University, Malaysia
 ASSOC. PROF. DR. CHEE YEN (BRUCE) LEOW Universiti Teknologi Malaysia (UTM), Malaysia	 PROF. LAI WENG KIN Tunku Abdul Rahman University Of Management & Technology, Malaysia	 DR. BERNARD LIM Chair IEEE Malaysia Section & Chief Operating Officer and co-founder of Apsara Group AS and Apsara Global Research, Malaysia	

SPONSORS:  **ORGANIZED BY:**  **SUPPORTING PARTNER:**  **CO-HOST:**  **PATRON:**  **TECHNICAL CO-SPONSORED BY:** 

LEARN MORE

<https://conmedia.umn.ac.id>

<https://cis.ieeemy.org>

www.ieee.org

The 7th International Conference on Applied Computational Intelligence in Information Systems

IEEE Malaysia Section



ACIIS 2025 was technically sponsored by the IEEE Computational Intelligence Society Malaysia Chapter and hosted by the School of Computing and Informatics, Universiti Teknologi Brunei (UTB). The conference centered on the theme “Intelligent and Resilient Digital Innovations for Sustainable Living.” and the focus areas included Big Data, Internet of Things (IoT), Machine Learning, Business Intelligence, Predictive Analytics, Digital Reality, Blockchain, SMAC (Social, Mobile, Analytics, Cloud), product and design technology, smart products, user experience (UX), human-centered design (HCD), IR 4.0, information security, computer networks, and cyber technologies.

We congratulate the organisers, speakers, and participants for the successful completion of ACIIS 2025 and for advancing global collaboration towards intelligent, resilient, and sustainable digital innovation.

ACIIS 2025

Date:
20-22 October 2025

Time:
08:00 - 17:00

Location:
Universiti Teknologi Brunei,
Brunei Darussalam

CALL FOR PAPERS
ACIIS 2025
7th International Conference on Applied Computational Intelligence in Information Systems
Theme: Intelligent and Resilient Digital Transformation for Sustainable Living

Thrapid technological advancement has been leveraging digital innovation, which can contribute to paving the way for society to practice sustainable living. Around the globe, researchers from diverse fields have been pushing effort relentlessly to harness frontier technologies to realise sustainable living. With ACIIS 2025, we would like to bring together researchers from industries and academia having diverse fields and provide an excellent international platform for sharing knowledge and the latest innovations and developments in realising intelligent and resilient digital innovation for sustainable living.

TRACKS

- Track 01: Artificial Intelligence and Machine Learning
- Track 02: Performance Evaluation in Next Generation Broadband Access Networks, Subsystems and Systems
- Track 03: Next Generation Broadband Access and Core Networks
- Track 04: Network and Information Security
- Track 05: Advancement of Digital Innovation and Theoretical Foundations of Digital Innovation

SUBMISSION
Papers are to be submitted electronically through the EDAS system. Papers can be submitted via link: EDAS Submission Page.

ACIIS 2025 is technically sponsored by IEEE Computational Intelligence Society, Malaysia Chapter. All accepted and presented papers at ACIIS 2025 will be submitted for inclusion in IEEE Digital Xplore.

IMPORTANT DATES

- 31 July: Submission of Full Paper
- 31 August: Notification of Acceptance
- 30 September: Authors Registration
- 26 September: Camera Ready Paper
- 20-22 October: Conference Dates

REGISTRATION FEE

- Regular (by 30 September): BND \$400
- Early Bird (by 15 September): BND \$350
- Subsequent paper: BND \$300
- Online: BND \$480
- Non-presenting participant: BND \$200

Organised by:
The School of Computing and Informatics
Universiti Teknologi Brunei

Conference Website:
aciis.secretariat@utb.edu.bn

ACIIS 2025 Speakers

Professor Toru Ishida
Professor Emeritus, Kyoto University
Visiting Professor, Telkom University, Indonesia
Board Member, Shizuoka University of Art and Culture

Dr. Steven Kai-Juan WONG
Professor, Infocomm Technology (ICT Cluster)
Director, Center for Digital Enablement (CoDE)
Singapore Institute of Technology

ACIIS
Applied Computational Intelligence
in Information Systems

LEARN MORE

<https://conference.utb.edu.bn/aciis2025>

<https://cis.ieeemy.org>

www.ieee.org

Discover How AI is Reshaping Our World

The Centre for Internationalisation and Recognition of Academic Qualifications (CITRA), Universiti Malaya, in collaboration with the IEEE Computational Intelligence Society Malaysia Chapter, successfully organised the “Step Into AI Horizons – Workshop Sessions” for undergraduate and postgraduate students to introduce key concepts and applications of Artificial Intelligence (AI).

The workshop featured expert talks and hands-on activities. Assoc. Prof. Ts. Dr. Yu Yong Poh presented “Artificial Intelligence in the Modern Era”, covering AI fundamentals, trends, impacts, and ethical considerations. Muhammad Usman, AI Solutions Architect and JamAI Base Ambassador, delivered “Understanding and Applying AI in Business & Economics”, highlighting real-world AI applications through practical exercises.

Overall, the workshop demonstrated a strong commitment to developing students’ future-ready digital skills in line with Industry 4.0 demands.

IEEE Malaysia Section



WORKSHOP SESSIONS: STEP INTO AI HORIZON

Date:
13 December 2025

Time:
09:00 - 17:00

Location:
Universiti Malaya, Malaysia



LEARN MORE

<https://citra.um.edu.my>

<https://cis.ieeemy.org>

www.ieee.org

Gaze Tracking and Emotional Mapping of Participants Using Mixed Reality (MR) Technologies for Cognitive Studies

The IEEE Computational Intelligence Society Malaysia Chapter is pleased to organise a technical webinar featuring a talk by Professor Dr. Fujita Haruhiro, Dean, Faculty of Business and Informatics. The webinar presents an overview of gaze tracking and emotional mapping of participants using Mixed Reality (MR) technologies for cognitive studies.

The webinar reflects IEEE CIS Malaysia Chapter's ongoing commitment to promoting emerging technologies and advancing human-centred computational intelligence research.

IEEE CIS MALAYSIA CHAPTER WEBINAR

Date:
22 December 2025

Time:
16:00 - 17:00

Location:
Online



IEEE Computational Intelligence Society MALAYSIA CHAPTER

Webinar

GAZE TRACKING AND EMOTIONAL MAPPING OF PARTICIPANTS USING MR TECHNOLOGIES FOR COGNITIVE STUDIES

REGISTER NOW

WITH
PROF. FUJITA HARUHIRO

JOIN US!

22ND DECEMBER 2025 MONDAY 4-5 PM

LEARN MORE

<https://cis.ieeemy.org>
www.ieee.org

IEEE Malaysia Section Electron Devices Society

Sparking Innovation: Hands-On Microelectronics Workshop

The IEEE EDS Malaysia Chapter successfully conducted a Pre-U STEM Program at SK Segambut Makmur, engaging 50 students in an exploration of fundamental electronics. A prestigious collaboration between the Centre of Printable Electronics (UM) and IMSaA, CEES (UiTM), the initiative focused on bridging the gap between early education and engineering.

Guided by 10 dedicated lecturers and 2 IEEE members, including Dr Hanim Hussin, students explored circuit architecture using electronic block kits. The 1:5 mentor-to-student ratio fostered significant technical curiosity among the 50 participants. This outreach successfully ignited an interest in smart technology, reinforcing EDS Malaysia's leadership in cultivating the next generation of technical professionals.

STEM Program with SK Segambut Makmur

Date:
26th July 2025

Time:
9.00 am – 12.30 pm

Location:
SK Segambut Makmur, Kuala Lumpur.



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IEEE Malaysia Section

Electron Devices Society

Empowering Future Mentors: "STEM IT RIGHT! 3.0"

Through its Humanitarian and WIE portfolios, the IEEE EDS Malaysia Chapter organized a strategic "Train of Trainers" (ToT) session at IIUM. The workshop prepared 20 university volunteers to facilitate the "STEM IT RIGHT! 3.0" flagship program. This session ensured a sustainable model for semiconductor education, involving 3 IEEE members in the pedagogical training of future STEM mentors.

Under the mentorship of Dr Rosminazuin Ab Rahim and Dr Aliza Aini Md Ralib, facilitators mastered modules on microchip fabrication and paper electronics. This rigorous preparation for the 20 volunteers ensures high-quality delivery for future school outreach. By bridging advanced semiconductor concepts with accessible modules, the Chapter continues to set the benchmark for impactful community-driven technical education.

Train of Trainers: STEM IT RIGHT! 3.0

Date:
11th July 2025

Time:
3.00 pm – 5.00 pm

Location:
IIUM, Gombak



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IEEE Malaysia Section Electron Devices Society

Illuminating Semiconductor Pathways

The IEEE EDS Malaysia Chapter, in collaboration with Perintis Youth IIUM and the VLSI & MEMS Research Unit, executed the "STEM IT RIGHT! 3.0: SPARKLING SEMICON" at SAM Bestari. Funded by an IEEE TryEngineering grant, the event engaged 100 students through hands-on microchip and paper electronics modules, supported by 50 facilitators and 3 IEEE members. The "Ask Me Anything" forum featured Prof. Nurul Fadzlin Hasbullah, Prof. Ahmad Sabirin Zolfakar, and Alya Irdina Jefri (Intel). Students discussed career trajectories and the future of semiconductors with industry and academic leaders. This high-impact outreach for 154 total participants reinforces the EDS Malaysia Chapter's commitment to professional mentorship and technical excellence in the community.

STEM IT RIGHT! 3.0: SPARKLING SEMICON

Date:
12th July 2025

Time:
7.00 am – 1.00 pm

Location:
SAM Bestari, Subang Jaya



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Technical Foundations: STEM Bluster

"STEM Bluster for Inspirasi Varsiti" is organized to promote STEM education among secondary school students. The event includes an interactive forum, engaging exhibitions, and lab tours specifically tailored for this age group. This 1-hour forum aims to inspire the next generation of innovators by highlighting the importance of STEM in today's world. IEEE EDS Malaysia Chapter in collaboration with Perintis Youth IIUM Chapter in collaboration with ECESA, VLSI & MEMS Research Unit & Kuliyah of Engineering International Islamic University Malaysia organized a STEM program with 200 school students on a program entitled "STEM BLUSTER SESSION DURING INSPIRASI VARSITI PROGRAMME 2025 " at Kuliyah of Engineering on 5th August 2025. A forum named Ask me anything as engineering student has encouraged all the participants to ask any questions to all 4 panels (4 final year engineering students). Some of the questions are related to the challenge as an engineering student.

STEM Bluster for Inspirasi Varsiti

Date:

5th August 2025

Time:

11.00 am – 2.00 pm

Location:

Kuliyah of Engineering ,
International Islamic
University Malaysia



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Advanced Photonics Course

To enhance technical depth among researchers, the IEEE EDS Malaysia Chapter hosted a specialized "Short Course on Optical Theory." Led by the distinguished Prof. Sahbudin Shaari, the session focused on the fundamental principles of optical communication and semiconductor photonics. Held at IIUM, the course attracted 20 participants, including 10 IEEE members, facilitating high-level academic exchange.

The course covered critical theoretical frameworks essential for modern optical device design. This engagement between senior experts and post-graduate researchers directly strengthens the technical competency of the Malaysian semiconductor community. By offering targeted professional development, the Chapter continues to support advanced research and innovation in optical technologies, maintaining its reputation for academic excellence.

Short Course on Optical Theory

Date:

1-2 July 2025

Time:

9.00 am – 5.00 pm

Location:

IMEN, UKM, Bangi



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IEEE Malaysia Section Electron Devices Society

Healthcare Innovation: Smart Sensing

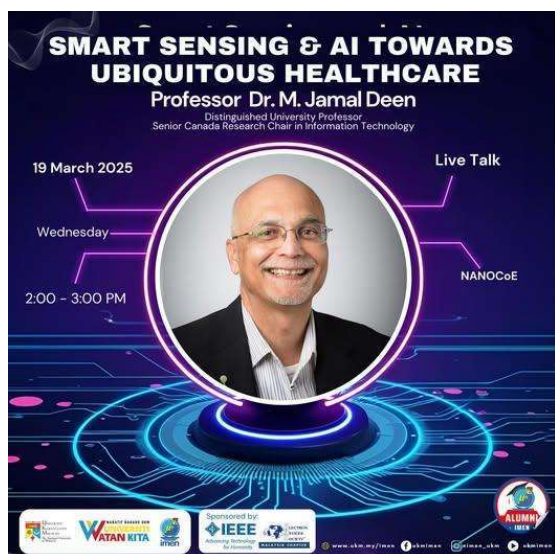
The IEEE EDS Malaysia Chapter welcomed Prof. Jamal Deen from McMaster University, Canada, for a technical talk titled "Smart Sensing & AI towards Ubiquitous Healthcare." The session explored the intersection of microelectronics and healthcare technology, attracting 20 participants, including 5 IEEE members. The talk highlighted the transformative potential of AI-driven sensors in continuous health monitoring and diagnostics. Prof. Deen shared global perspectives on the development of low-power sensing platforms for biomedical applications. This international collaboration provided local researchers with insights into the next generation of healthcare electronics. The event served as a catalyst for future research in smart sensors, reinforcing EDS Malaysia's role in facilitating global technical knowledge transfer and interdisciplinary innovation.

Technical Talk: Smart Sensing & AI

Date:
19th March 2025

Time:
3.00 pm – 5.00 pm

Location:
IMEN, UKM, Bangi



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IEEE Malaysia Section

Electron Devices Society

Future-Ready Skills: Gamification Through Python

The program successfully introduced participants to the fundamentals of Python programming while fostering logical thinking and problem-solving skills through interactive learning. Students explored practical applications of Python in real-world scenarios and experienced greater engagement in STEM through gamified activities. The program also highlighted innovative teaching strategies that integrate Python and gamification into the curriculum. A total of 19 participants from the Presint 16 Putrajaya community took part in this initiative.

Gamification Through Python

Date:

17 - 18th September 2025

Time:

8.00 am – 5.00 pm

Location:

Kompleks Kejiranan Presint
16, Putrajaya



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Analytical Professional Talk

The IEEE EDS Malaysia Chapter hosted Dr. Ali Khumaeni from Diponegoro University for a high-level expert talk on "Laser-Induced Breakdown Spectroscopy (LIBS)." The session focused on advanced material characterization techniques, attracting a significant audience of 23 participants, including 10 IEEE members. The talk provided a comprehensive overview of using laser plasma for rapid chemical analysis.

Dr. Khumaeni demonstrated the practical applications of LIBS in semiconductor quality control and environmental monitoring at IIUM. This session facilitated a robust technical exchange, allowing researchers to explore new methodologies in spectroscopy. By organizing such specialized expert talks, the Chapter continues to broaden the technical horizons of its members and the wider Malaysian engineering community.

Expert Talk: Laser-Induced Spectroscopy

Date:

19th June 2025

Time:

11.00 am – 12.45 pm

Location:

NANOCAT, Universiti Malaya



UNIVERSITI MALAYA NANOCAT ELECTRON DEVICES SOCIETY IEEE

Jointly organised by the IEEE Electron Devices Society (IEEE EDS) Malaysia Chapter

Online Seminar

Laser-induced breakdown spectroscopy for material characterisation

Abstract

Laser-induced breakdown spectroscopy (LIBS) is a well-established spectrochemical technique and is regarded as the future superstar analytical technique for characterizing the elemental composition of various materials, such as solids, liquids, and gases. Compared to other standard analytical techniques such as X-ray fluorescence spectroscopy and inductively coupled plasma atomic emission spectroscopy, LIBS has gained popularity as an analytical technique because it can perform analysis without the need for time-consuming and sample pre-treatment. Moreover, the technique can be used for remote and real-time analysis, multi-elemental analysis, and wide range of sample matrices. In LIBS, a nanosecond pulse Nd:YAG laser is commonly applied as an energy source to induce a luminous plume, which functions as an excitation source of the atoms from the analyte. LIBS has advantages for material characterization in various field including geoscience, environmental monitoring, material science, cultural heritage, biomedical applications, and space exploration. This lecture will discuss the fundamental and application of LIBS for material characterization. Recent progress on the development technique of LIBS will also be discussed.



Dr. Ali Khumaeni
(Diponegoro University, Indonesia)

Date: 19 June 2025 (Thursday)
Time: 11:00 am – 12:00 pm (MY)
Link: <https://rb.gv/5v99e6>

All are welcome. The seminar is free-of-charge.

<https://nanocat.um.edu.my/> Nanotechnology and Catalysis Research Centre - Nanocat nanocat.um



Expert Talks on Laser-induced breakdown spectroscopy for material characterisation by Dr. Ali Khumaeni from Diponegoro University, Indonesia!

Space applications

Solar cell (Gd/Ga/Si alloy) analysis

Abstract

Laser-induced breakdown spectroscopy (LIBS) is a well-established spectrochemical technique and is regarded as the future superstar analytical technique for characterizing the elemental composition of various materials, such as solids, liquids, and gases. Compared to other standard analytical techniques such as X-ray fluorescence spectroscopy and inductively coupled plasma atomic emission spectroscopy, LIBS has gained popularity as an analytical technique because it can perform analysis without the need for time-consuming and sample pre-treatment. Moreover, the technique can be used for remote and real-time analysis, multi-elemental analysis, and wide range of sample matrices. In LIBS, a nanosecond pulse Nd:YAG laser is commonly applied as an energy source to induce a luminous plume, which functions as an excitation source of the atoms from the analyte. LIBS has advantages for material characterization in various field including geoscience, environmental monitoring, material science, cultural heritage biomedical applications, and space exploration. This lecture will discuss the fundamental and application of LIBS for material characterization. Recent progress on the development technique of LIBS will also be discussed.

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IEEE Malaysia Section Electron Devices Society

Industry Readiness: NXP Semiconductor

To prepare students for industry careers, the IEEE EDS Malaysia Chapter collaborated on the "NXP Workshop: Fundamentals of Semiconductor Digital Test." The full-day technical session provided 35 participants with hands-on experience in semiconductor testing methodologies. Under the guidance of 4 IEEE members at IIUM, students explored the critical processes involved in ensuring the reliability of digital integrated circuits.

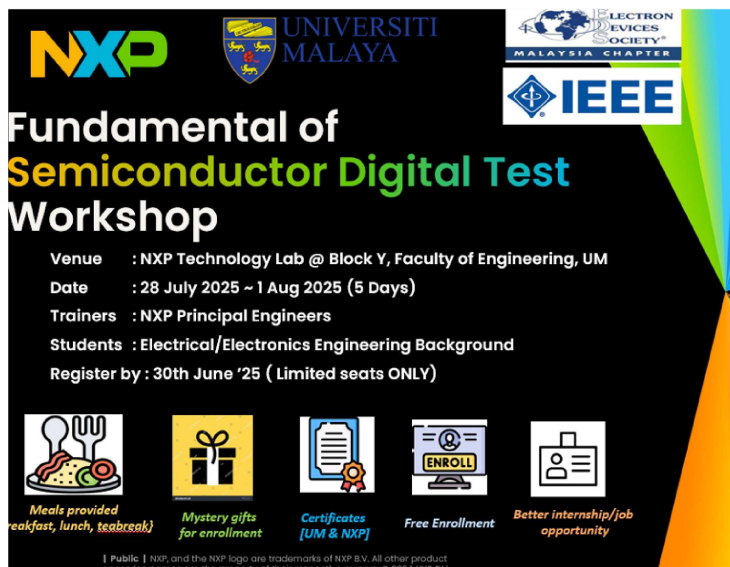
The workshop utilized industry-standard testing concepts, bridging the gap between university curriculum and industrial practice. By engaging with professionals from NXP, the 35 participants gained valuable insights into the quality assurance demands of the global semiconductor supply chain. This initiative underscores EDS Malaysia's commitment to enhancing the employability of its student members through industry-aligned training.

NXP Digital Test Workshop

Date:
28th July 2025

Time:
8.00 am – 5.00 pm

Location:
Universiti Malaya, Kuala Lumpur.



NXP **UNIVERSITI MALAYA** **ELECTRON DEVICES SOCIETY MALAYSIA CHAPTER** **IEEE**

Fundamental of Semiconductor Digital Test Workshop

Venue : NXP Technology Lab @ Block Y, Faculty of Engineering, UM
Date : 28 July 2025 ~ 1 Aug 2025 (5 Days)
Trainers : NXP Principal Engineers
Students : Electrical/Electronics Engineering Background
Register by : 30th June '25 (Limited seats ONLY)

- Meals provided (breakfast, lunch, teabreak)
- Mystery gifts for enrollment
- Certificates [UM & NXP]
- Free Enrollment
- Better internship/job opportunity

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<https://www.facebook.com/NXP.MalaysiaTalent/posts/as-part-of-our-continued-commitment-to-university-collaboration-and-talent-devel-1339545421505543/>

1/2

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IEEE Malaysia Section Electron Devices Society

Sustainable Energy: Expert Talk

The IEEE EDS Malaysia Chapter hosted Professor Zhenguo Huang from the University of Technology Sydney for an expert talk on "Hydrogen-Rich Bonds for Energy Storage." The session explored the role of chemistry and microelectronics in advancing sustainable energy solutions at IIUM. Attended by 30 participants, including 10 IEEE members, the talk highlighted the development of new materials for efficient energy transfer.

Professor Huang discussed the potential of boron-based hydrogen carriers as a safe and efficient medium for energy storage. This interdisciplinary session provided engineers with a deeper understanding of material science's impact on electronic device efficiency. The event fostered a collaborative environment for researchers to discuss the future of green energy technology, aligning with IEEE's goal of advancing technology for humanity.

Expert Talk: Hydrogen-Rich Bond Energy

Date:

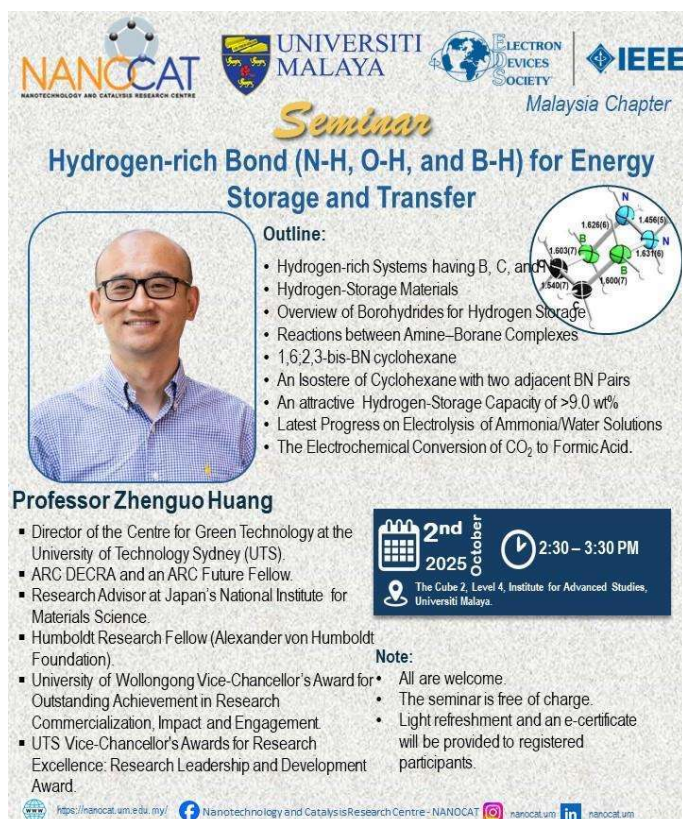
2nd October 2025

Time:

2.30 pm – 3.30 pm

Location:

Universiti Malaya, Kuala Lumpur.



NANOCAT | **UNIVERSITI MALAYA** | **ELECTRON DEVICES SOCIETY** | **IEEE**
Nanotechnology and Catalysis Research Centre | Malaysia Chapter

Seminar

Hydrogen-rich Bond (N-H, O-H, and B-H) for Energy Storage and Transfer



Professor Zhenguo Huang

- Director of the Centre for Green Technology at the University of Technology Sydney (UTS).
- ARC DECRA and an ARC Future Fellow.
- Research Advisor at Japan's National Institute for Materials Science.
- Humboldt Research Fellow (Alexander von Humboldt Foundation).
- University of Wollongong Vice-Chancellor's Award for Outstanding Achievement in Research Commercialization, Impact and Engagement.
- UTS Vice-Chancellor's Awards for Research Excellence: Research Leadership and Development Award.

Outline:

- Hydrogen-rich Systems having B, C, and H
- Hydrogen-Storage Materials
- Overview of Borohydrides for Hydrogen Storage
- Reactions between Amine-Borane Complexes
- 1,6,2,3-bis-BN cyclohexane
- An Isostere of Cyclohexane with two adjacent BN Pairs
- An attractive Hydrogen-Storage Capacity of >9.0 wt%
- Latest Progress on Electrolysis of Ammonia/Water Solutions
- The Electrochemical Conversion of CO₂ to Formic Acid.

Note:

- All are welcome.
- The seminar is free of charge.
- Light refreshment and an e-certificate will be provided to registered participants.

2nd October 2025
2:30 – 3:30 PM
The Cube 2, Level 4, Institute for Advanced Studies, Universiti Malaya.

<https://nanocat.um.edu.my/> | [Nanotechnology and Catalysis Research Centre - NANOCAT](#) | [nanocat.um](#) | [nanocat.um](#)



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IEEE Malaysia Section Electron Devices Society

Strengthening Ties: IEEE EDS Mini Family Day

The IEEE EDS Malaysia Chapter organized the "EDS Mini Family Day" at Universiti Malaya to foster camaraderie and professional networking among its volunteers. The event brought together 35 participants, including 10 IEEE members and their families, for a day of collaborative activities. This initiative recognized the invaluable contributions of the Chapter's volunteers and strengthened the community bonds that drive its success.

Beyond professional networking, the event emphasized the importance of a supportive community in achieving the Chapter's ambitious goals. The engagement of 35 IEEE members in a social setting facilitated informal knowledge sharing and motivated the team for upcoming Q4 activities. This "Mini Family Day" highlights EDS Malaysia's appreciation for its volunteers, ensuring a cohesive and dedicated workforce for future humanitarian and technical programs.

EDS Mini Famili Day

Date:
9th September 2025

Time:
4.00pm - 7.00pm

Location:
Swiss-Garden Hotel Melaka.



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Wearable Tech: Elektronik Tekstil melalui STEM

We recently organized a STEM programme entitled Teknologi & Gaya: Meneroka Dunia Elektronik Tekstil melalui STEM on 24-26 November 2025. This initiative was jointly organised by Perintis Youth IIUM, the VLSI & MEMS Research Unit, International Office, Kuliyah of Engineering (KOE) IIUM, IEEE EDS Malaysia Chapter and sponsored by the Malaysia International Enrichment Matching Fund (MIEMF). The invited speaker by Prof Anis Nurashikin and Prof Norhayati Soin delivered an insightful talk on current research developments in wearable electronics. The participants involved a total of 18 participants : 9 students from Universitas Telkom, Indonesia, and 9 IIUM students. 4 IEEE members we involved in this program.

Teknologi & Gaya: Elektronik Tekstil

Date:

24-26th November 2025

Time:

8.00 am – 5.00 pm

Location:

Kuliyah of Engineering IIUM



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IEEE Malaysia Section

Electron Devices Society

Future Computing: 7th International Symposium on Neuromorphic AI

7th Neuromorphic AI Hardware Symposium

The 7th International Symposium on Neuromorphic AI Hardware, held on October 4–6, 2025, in Kitakyushu, Japan, successfully brought together researchers to discuss advancements in brain-inspired computing and AI hardware integration. Jointly organized by the IEEE EDS Japan and Malaysia Chapters and chaired by Prof. Hirofumi Tanaka, the event prioritized technical exchange and international collaboration. A five-member delegation from IEEE EDS Malaysia, including Dr. Nurul Ezaila Alias and Prof. Mohd Nizar Hamidon, participated through sponsorship from the Kyushu Institute of Technology. The programme, which featured invited talks and a networking excursion from Mojiko Port to Shimonoseki, underscored the strengthening ties between the Japanese and Malaysian electron device communities and established a roadmap for future research directions in neuromorphic technologies.

Date:

4th October 2025

Time:

9.00am - 5.00pm

Location:

Research Center for
Neuromorphic AI Hardware,
Kyushu Institute of
Technology



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IEEE Malaysia Section

Electron Devices Society

Global Outlook: Semiconductor Chip Industry

The Industry Network and Technical Session (Malaysia), organised by the Global Electronics Association (IPC International Inc.) and held at Universiti Teknikal Malaysia Melaka (UTeM), served as a strategic platform to strengthen collaboration between industry, academia, and professional bodies within Malaysia's electronics and semiconductor ecosystem. Conducted in collaboration with the IEEE Electron Devices Society (EDS) Malaysia Chapter, the event featured keynote and technical sessions on global semiconductor industry trends, workforce development, and standards, alongside engagement with stakeholders such as Invest Melaka. Through technical presentations, discussions, and networking activities, the programme reinforced industry-academia-professional society partnerships and contributed to enhancing talent development and ecosystem readiness for the growth of Malaysia's semiconductor sector. 50 participants were in attendance, including 10 IEEE members.

Industry Networking &

Technical Session:

Technical Overview for the "Semiconductor Chip Industry"

Date:

15th July 2025

Time:

9.00am - 1.00pm

Location:

Universiti Teknikal Malaysia
Melaka (UTeM)



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IEEE Malaysia Section

Electron Devices Society

Technical Sharing Session

The Technical Sharing Session on “Silicon Carbide (SiC) Electronics for Our Sustainable Future” was conducted as a one-hour knowledge-sharing programme at Universiti Teknikal Malaysia Melaka (UTeM). The session was delivered by Professor Shin-Ichiro Kuroki from the Research Institute for Semiconductor Engineering, Hiroshima University, Japan. The talk focused on the growing importance of silicon carbide (SiC) wide-bandgap semiconductors for high-temperature and radiation-hardened electronics used in extreme environments such as space exploration, accelerator facilities, and nuclear technologies. The presentation highlighted recent advances in 4H-SiC CMOS circuits, high-temperature processors, and SiC CMOS image sensors, demonstrating reliable operation at temperatures up to 500 °C and resistance to high gamma-ray radiation levels. Overall, the session provided valuable insights into next-generation semiconductor technologies and their role in enabling sustainable, robust, and high-reliability electronic systems, while strengthening research and knowledge exchange within the semiconductor community.

Technical Sharing Session: Silicon Carbide Electronics For Our Sustainable Future

Date:
10th December 2025

Time:
3.00pm - 4.00pm

Location:
Universiti Teknikal Malaysia Melaka (UTeM)

TECHNICAL SHARING SESSION

SILICON CARBIDE (SiC) ELECTRONICS FOR OUR SUSTAINABLE FUTURE

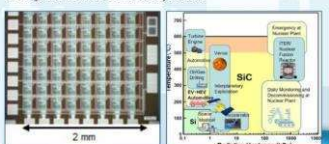
SPEAKER

Professor SHIN-ICHIRO KUROKI
Professor,
Research Institute for
Semiconductor Engineering
Hiroshima University, Japan

ABSTRACT

High-temperature and radiation-hardened electronics are increasingly essential for applications in space exploration, accelerator facilities, and nuclear technologies. Silicon carbide (SiC), a wide-bandgap semiconductor, is a leading material for enabling robust electronics in extreme environments.

This lecture presents advances in 4H-SiC CMOS circuits, high-temperature processors, and SiC CMOS image sensors capable of operating up to 500°C and withstanding 2 MGy gamma-ray exposure, demonstrating their potential role in next-generation sustainable systems.



PROFESSOR SHIN-ICHIRO KUROKI

DATE
10.12.2025

TIME
3.00 PM - 4.00 PM

LOCATION
BK16 FTKEK, MAIN CAMPUS

ORGANIZED BY



PUSAT ALAM SEKUTAR PINTAR
Center for Smart Environment



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EDS DL Mini Colloquium 2025

The **IEEE EDS Distinguished Lecture Mini Colloquium 2025** was successfully held on **16 December 2025** at **MIMOS, Kuala Lumpur**, bringing together academia, industry professionals, and researchers to exchange insights on advanced electronic device technologies. The hybrid event attracted **50 participants**, attending both **physically and online**, reflecting strong engagement from the local and regional semiconductor community. The IEEE EDS Distinguished Lecture Mini Colloquium 2025 successfully met its objectives of knowledge dissemination, professional engagement, and community building, reinforcing MIMOS' role as a hub for advanced semiconductor and electronic device research.

Distinguished Speakers & Topics

1. **Prof. Dr. Cher Ming Tan**
Topic: Reliability Assurance for Electronic Products
2. **Prof. Dr. Nowshad Amin**
Topic: Breaking Efficiency Barriers with Perovskite Solar Cells
3. **Prof. Hiroshi Iwai**
Topic: Development of RF CMOS Technologies

IEEE EDS Distinguished Lecture Mini Colloquium 2025

Date:
16th December 2025

Time:
9.00 am – 2.30 pm

Location:
MIMOS, Kuala Lumpur



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11th IEEE International Conference on Smart Instrumentation, Measurement and Application (ICSIMA 2025)

The IEEE Instrumentation & Measurement Society Malaysia Chapter successfully organized the 11th IEEE International Conference on Smart Instrumentation, Measurement and Application (ICSIMA 2025) on 10–11 September 2025 at Royale Chulan Kuala Lumpur, Malaysia. This year, ICSIMA 2025 received 94 paper submissions. Following a rigorous peer-review process, 66 papers were accepted, reflecting an acceptance rate of 70.2%. The accepted papers span a broad range of topics, from fundamental theories to practical industrial applications. Submissions were received from Indonesia, China, Oman, the United States of America, Mexico, India, Saudi Arabia, the Philippines, Iraq, Japan, and Malaysia. All accepted, registered, and presented papers will be published in the conference proceedings and submitted to IEEE Xplore for indexing. Further details about the conference are available on the official website: <https://icsima.ieeem-ims.org/25>.

IEEE Malaysia Section



ICSIMA 2025

Date:

10 - 11 September 2025

Time:

09:00 - 17:00

Location:

Royal Chulan Hotel, Kuala Lumpur



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Tutorial Workshop on "Low-Cost Cloud-Based Data Logging Using Google App Script and GitHub"

In conjunction to the 11th IEEE International Conference on Smart Instrumentation, Measurement and Application (ICSIMA 2025) on 10–11 September 2025, at Royale Chulan Kuala Lumpur, Malaysia, there was a Tutorial Session conducted by Dr. Ooi Boon Aik from Universiti Teknologi Petronas. The Tutorial Session entitled “Low-Cost Cloud-Based Data Logging Using Google App Script and GitHub.” This hands-on session introduced participants to lightweight yet powerful techniques for collecting, managing, and automating data from Internet of Things (IoT) devices and third-party APIs. By leveraging Google Sheets and Google Apps Script, attendees learned how to build cloud-based data collection dashboards with minimal setup. The session also covered methods to ingest external data sources such as weather APIs or public sensor feeds using GitHub-hosted scripts, enabling seamless integration with custom or external platforms. Participants gained practical skills and code templates that could be immediately applied in IoT prototyping, environmental monitoring, smart classrooms, and industrial telemetry. This tutorial workshop are done in-person, providing a platform for better hands-on supervision by fasilitator.

IEEE Malaysia Section



Tutorial Session by Dr. ooi Boon Yaik

Date:

10 September 2025

Time:

15:30 - 17:00

Location:

Royal Chulan Hotel, Kuala Lumpur

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IEEE Malaysia Section



IEEE Distinguished Keynote Lecture - Prof. Dr. Zheng Liu

The IEEE Instrumentation & Measurement Society Malaysia Chapter successfully organized the 11th IEEE International Conference on Smart Instrumentation, Measurement and Application (ICSIMA 2025) on 10–11 September 2025 at Royale Chulan Kuala Lumpur, Malaysia. The conference featured a Keynote Address by Prof. Dr. Zheng Liu (Distinguished Lecturer, University of British Columbia) on “Integrated Imaging and Vision Techniques for Industrial Applications.” The keynote lecture focused on the application of machine vision techniques in industrial inspection, emphasizing both technological advances and practical integration for real world use. It provided an overview of state-of-the-art hardware, software tools, and algorithms, while also discussing advanced methodologies and recent progress in multi modal imaging systems. A wide range of industrial applications was highlighted, including aerospace, automotive, electronics, pharmaceuticals, biomedical, semiconductors, and food and beverage, showcasing the versatility and impact of vision technologies in enhancing manufacturing efficiency. The lecture also addressed challenges and barriers in developing robust inspection systems and offered insights into future trends in imaging and vision research. By bridging theoretical foundations with engineering practice, it served as a valuable reference for graduate students, researchers, and engineers seeking innovative solutions and practical strategies for industrial inspection tasks. The event attracted over 60 participants, both in-person and online, providing a dynamic platform for knowledge exchange and collaboration among academia, industry, and researchers.

IEEE Distinguished Lecture

Date:
10 September 2025

Time:
09:15 - 10:15

Location:
Royal Chulan Hotel, Kuala Lumpur



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Karnival Aspirasi Naratif Inovasi STEM SKTM (ANISS)

IEEE Malaysia Section Power Electronics Chapter

The STEM program at SK Telok Menegon aims to inspire young students by introducing them to the exciting world of Science, Technology, Engineering, and Mathematics. Through hands-on demonstrations, interactive activities, and engaging talks, students are encouraged to explore innovative thinking and problem-solving skills.

The session includes:

- STEM Demonstrations: Live experiments and interactive showcases in science and engineering concepts.
- Knowledge Sharing: Presentations by facilitators to introduce students to real-world applications of STEM.
- Student Engagement: Q&A sessions, mini challenges, and discussions designed to spark curiosity.

This initiative provides an opportunity for students to develop early interest in STEM fields, motivating them to pursue future studies and careers in science and engineering.

Karnival Aspirasi Naratif Inovasi STEM SKTM (ANISS)

Date:
23 September 2025

Time:
09:00 - 13:00

Location:
Sekolah Kebangsaan Telok
Menegon
Batu 3, Jalan Kota Raja
Klang, Selangor
Malaysia 41000



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www.ieee.org

Community Engagement Through Academic Service Learning (ASL) Programme

The Academic Service Learning (ASL) programme is a key component of Universiti Teknologi Malaysia's New Academia Learning Innovation (NALI) initiative. Implemented through the course SKEE 4653 – Photovoltaic Systems by the Faculty of Electrical Engineering, the ASL programme aims to strengthen university–community engagement while enhancing students' soft skills. At the same time, it provides a platform to promote fundamental knowledge of photovoltaic (PV) technology to secondary school pupils.

The collaboration between UTM, participating schools, and the IEEE PELS Malaysia Chapter ensured the successful delivery of this community-focused educational activity. The positive response from both university students and school participants demonstrates the value of continued outreach initiatives in promoting renewable energy education and advancing public awareness of power electronics technologies.



IEEE Malaysia Section Power Electronics Chapter

Community Engagement Through ASL Programme Universiti Teknologi Malaysia

Date:
4 November 2025 – 7
November 2025

Time:
08:00 - 13:00

Location:
SMK Mohd Khalid
SMK Skudai
SMK Dato Penggawa Barat
SMK Sri Mersing

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<https://site.ieee.org/malaysia-pels/>

IEEE PEDS 2025 Closing Meeting

IEEE Malaysia Section Power Electronics Chapter

The IEEE PEDS 2025 Financial Report was formally presented to the committee. The report provided an overview of the conference's financial performance, including income, expenditure, and overall financial standing.

Following the presentation, a post-mortem discussion was conducted on the overall execution of the IEEE PEDS 2025 conference. Key aspects discussed included conference organization, technical program delivery, participant engagement, logistical arrangements, and areas identified for improvement in future events. The meeting also addressed other matters related to IEEE PEDS 2025.

IEEE PEDS 2025 Closing Meeting

Date:
16 November 2025

Time:
09:00 - 11:00

Location:
KSL Resort Johor Bahru



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<https://site.ieee.org/malaysia-pels/>

www.ieee.org

IEEE-PELS 4TH EXECUTIVE COMMITTEE MEETING

IEEE Malaysia Section Power Electronics Chapter

The 2025 IEEE-PELS 4th Executive Committee Meeting of the IEEE Power Electronics Society (PELS), Malaysia Chapter was successfully held on 16 November 2025, from 11:00 a.m. to 12:00 p.m., at KSL Resort, Johor Bahru.

The meeting commenced with a welcoming address by the 2025 Chapter Chair, who thanked the Executive Committee members for their continued commitment and support of the chapter's activities.

Subsequently, matters arising and updates from previous discussions were reviewed, with members providing progress updates on ongoing initiatives and action items. The committee then deliberated on the proposed date for the IEEE PELS Annual General Meeting (AGM) 2026, taking into consideration scheduling feasibility and alignment with other chapter activities.

Further discussions were held on upcoming and potential conferences, including CENCON 2026, APPE (UTM), and SPEC 2027, focusing on planning status, possible collaboration, and the chapter's involvement. There being no further matters to discuss, the meeting was adjourned at 12:00 p.m.



2025 IEEE-PELS 4TH EXECUTIVE COMMITTEE MEETING OF IEEE POWER ELECTRONICS SOCIETY (PELS), MALAYSIA CHAPTER

Date:

16 November 2025

Time:

11:00 - 12:00

Location:

KSL Resort Johor Bahru

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From Electromagnetic Fields to Light Waves: Virtual Reality Sparks a New Era of STEM Education

IEEE Malaysia Section IEEE Photonics Society

Electromagnetics underpins today's high-tech landscape - from fiber-optic sensors, silicon photonics to satellite and optical wireless communications. Yet its core concepts often feel abstract. To make these more accessible, IEEE Photonics

conducted a demonstration for learning electromagnetics through Virtual Reality (VR) on 16th July 2025, in partnership with the [Smart Photonics Research Laboratory](#), hosted by [Prof. Dr. Angela Amphawan](#) at Sunway University. The demonstration showcases the groundbreaking Merlin's Playground VR platform, which provides an interactive, three-dimensional environment where students can easily visualize electromagnetic fields, flux, and forces in real time. By turning invisible electromagnetic elements into tangible, interactive objects, the VR platform helps demystify complex concepts, boosts engagement, and accelerates understanding—ultimately enhancing academic performance. Prof. Angela is the main subject matter expert for the development of Merlin's Playground, which was realized through RM2.49 million in funding from Telekom Malaysia R&D.



Demonstration of Learning Electromagnetics through Virtual Reality

Date:
16th July 2025

Time:
14:00 – 16:00

Location:
Sunway University



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PLS: The Future of Industrial Imaging 3D + AI based cameras

IEEE Malaysia Section
IEEE Photonics Society

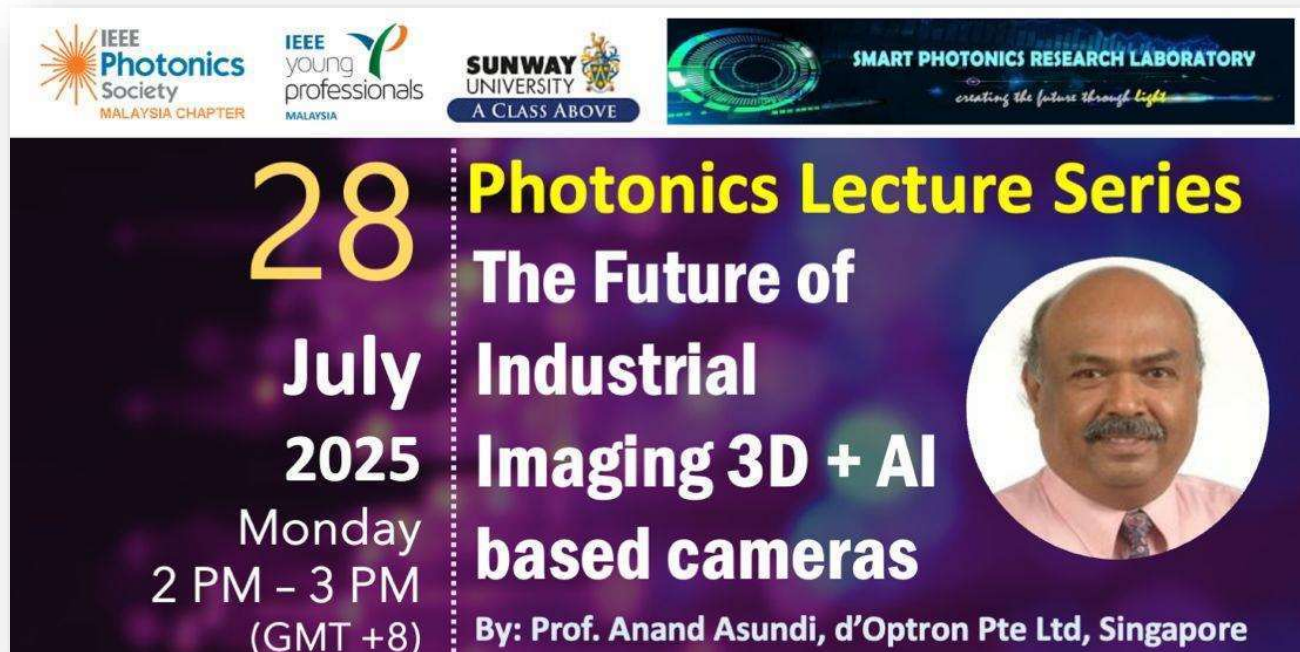
The IEEE Photonics Society Malaysia Chapter, along with IEEE Young Professionals and Sunway University, had the pleasure of hosting Prof. Anand Asundi of d'Optron Pte Ltd for an insightful talk on "The Future of Industrial Imaging 3D + AI based cameras." Prof. Asundi captivated the audience by explaining how the relentless consumer demand for better smartphone cameras has become a major driver for innovation in 3D imaging and AI. He detailed how designers are overcoming the limitations of traditional optics to create compact, powerful, AI-driven 3D vision systems. The presentation highlighted the expanding applications of these technologies in crucial industries like robotics, drone technology, and logistics. Through engaging demonstrations, Prof. Asundi showcased new products and developments, offering a glimpse into the future of the field and inspiring students and professionals alike to explore its vast potential.

Photonics Lecture Series

Date:
28th July 2025

Time:
14:00 - 15:00

Location:
MS Teams



The banner features logos for IEEE Photonics Society Malaysia Chapter, IEEE Young Professionals Malaysia, Sunway University (A Class Above), and Smart Photonics Research Laboratory (creating the future through light). The main text on a dark purple background reads: "28 July 2025 Monday 2 PM - 3 PM (GMT +8) Photonics Lecture Series The Future of Industrial Imaging 3D + AI based cameras By: Prof. Anand Asundi, d'Optron Pte Ltd, Singapore". A circular portrait of Prof. Anand Asundi is on the right.

LEARN MORE

From Light to Insight: Optical Fiber Sensors in Environmental Monitoring for Robotics

IEEE Malaysia Section
IEEE Photonics Society

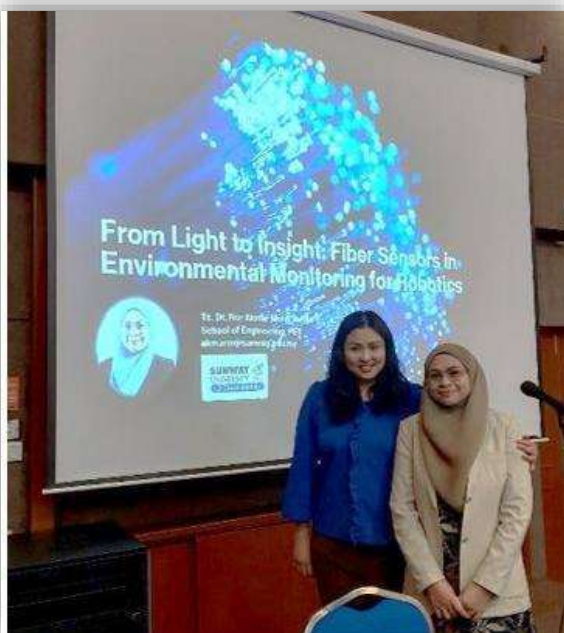
Photonics Lecture Series

Date:
31st July 2025

Time:
09:00 - 10:00

Location:
Sunway University

The IEEE Photonics Society, Sunway Robotics Club, and the Sunway University [Smart Photonics Research Laboratory](#), under [Prof. Dr. Angela Amphawan](#) co-organized an engaging technical talk featuring [Dr. Nor Akmar Mohd Yahya](#). The session, "Optical Fiber Sensors for Environmental Monitoring in Robotics," offered a comprehensive look into this cutting-edge field. Dr. Nor Akmar's presentation detailed how the unique advantages of optical fiber sensors, including their high sensitivity, immunity to electromagnetic interference, and lightweight design, are revolutionizing robotic systems. The talk compellingly demonstrated how these technologies enable the development of next-generation robots with greater intelligence, adaptability, and safety for operation in complex and dynamic environments. We extend our sincere appreciation to Dr. Nor Akmar Mohd Yahya for her valuable and insightful presentation.



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PLS: Current Plastic Optical Fiber (POF) Technology

IEEE Malaysia Section
IEEE Photonics Society

The IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia were pleased to host Dr. Latifah Sarah Supian from Universiti Pertahanan Nasional Malaysia (UPNM) for an engaging session on "Current Plastic Optical Fiber (POF) Technology." Dr. Latifah provided a comprehensive overview of the evolving field of POF, highlighting its advantages in flexibility and ease of use compared to traditional glass fibers. The talk covered established applications in automotive and industrial data links while focusing on recent advancements that are expanding POF's capabilities. Attendees gained valuable insights into exciting new uses for POF in sensing applications, including biomedical devices, structural health monitoring, and smart textiles. Dr. Latifah also discussed the ongoing challenges, such as attenuation and modal dispersion, and shared the future directions of research aimed at improving performance and reducing costs.

Photonics Lecture Series

Date:
31st July 2025

Time:
14:00 - 15:00

Location:
MS Teams



The poster features the IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia logos at the top left. The title "Photonics Lecture Series" is at the top right. The date "31 July 2025" and day "Thursday" are prominently displayed on the left. The time "2 PM - 3 PM (GMT +8)" is below the date. The topic "Current Plastic Optical Fiber (POF) Technology" is in the center. A portrait of Dr. Latifah Sarah Supian is on the right. The speaker's name "Dr. Latifah Sarah Supian" is at the bottom center.

IEEE Photonics Society MALAYSIA CHAPTER

IEEE young professionals MALAYSIA

Photonics Lecture Series

31
July
2025
Thursday

2 PM - 3 PM
(GMT +8)

Current Plastic Optical Fiber (POF) Technology

Dr. Latifah Sarah Supian

LEARN MORE

PLS: Optical Sensors for Environmental Monitoring: Trends & Innovation

IEEE Malaysia Section
IEEE Photonics Society

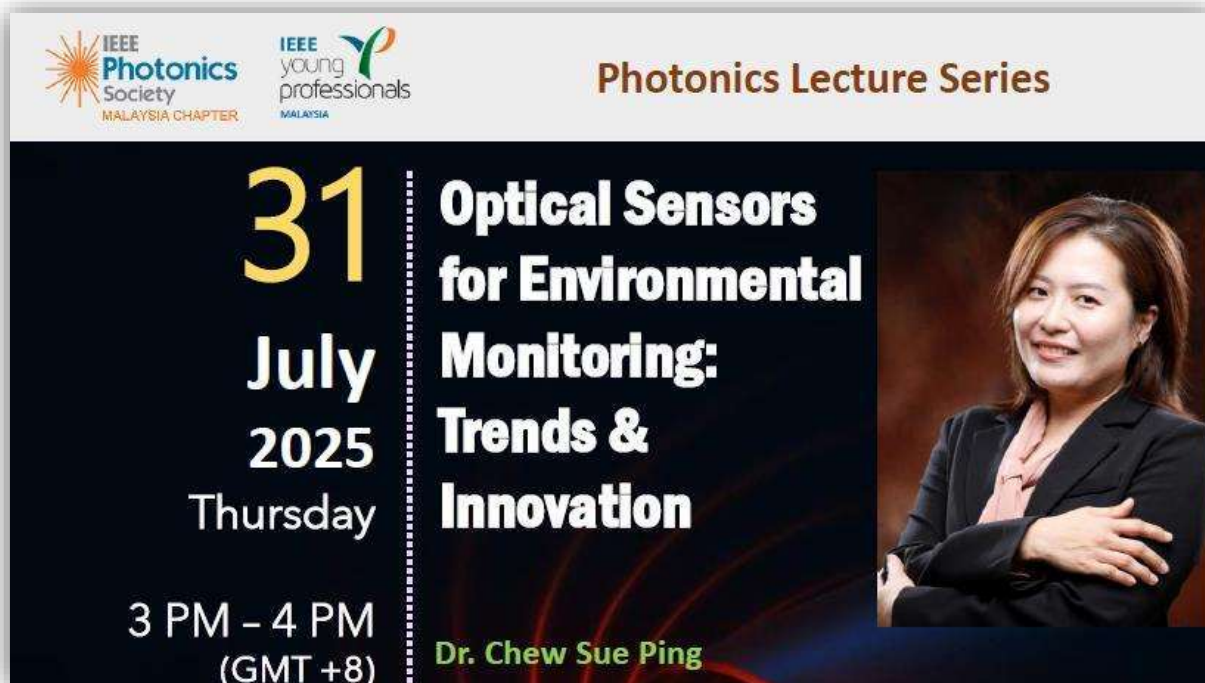
Photonics Lecture Series

Date:
31st July 2025

Time:
15:00 - 16:00

Location:
MS Teams

The IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia hosted an insightful lecture by Dr. Chew Sue Ping, from Universiti Pertahanan Nasional Malaysia (UPNM) on "Optical Sensors for Environmental Monitoring: Trends & Innovation." Dr. Chew addressed the critical need for advanced sensing technologies to combat growing environmental challenges like pollution and climate change. Her presentation focused on how cutting-edge optical sensors are revolutionizing the field. The session explored breakthrough developments in tapered SMS fiber structures and plasmonic-enhanced sensors, which offer unprecedented sensitivity and selectivity. Dr. Chew highlighted how these innovations enable high-precision tracking of air/water quality and overall ecosystem health. A key theme of the talk was the future of environmental monitoring, emphasizing the integration of these sensor technologies with IoT platforms and AI-driven analytics.



The poster features the IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia logos at the top left. The title "Photonics Lecture Series" is at the top right. The main text on the left reads "31 July 2025 Thursday" and "3 PM - 4 PM (GMT +8)". The title of the lecture is "Optical Sensors for Environmental Monitoring: Trends & Innovation". A portrait of Dr. Chew Sue Ping is on the right. Her name "Dr. Chew Sue Ping" is written in green at the bottom right of the poster.

LEARN MORE

Topical Meeting on Photonics (TMP) 2025

IEEE Malaysia Section
IEEE Photonics Society

Topical Meeting on Photonics (TMP) 2025 Fosters Collaboration and Innovation is a biennial event that has successfully brought together researchers and industry professionals to discuss the latest advancements in the field. The academic-driven meeting was designed to spark new research directions and bridge the gap between academic findings and real-world applications. The event featured a rich program, headlined by a keynote presentation from Assoc. Prof. Dr. Mohd Saiful Dzulkefly Zan from UKM, on "Advancing Distributed Fiber Optic Sensing in Malaysia: From Fundamental to Application." The program was further strengthened by 18 invited speakers, 10 research centers, alongside 23 poster presentations, providing a comprehensive platform for knowledge sharing. TMP 2025 achieved all its primary goals, successfully promoting networking and fostering new collaborations within the photonics community. Thanks to strong committee teamwork and sufficient sponsorship, the event was a success. Overall, the meeting proved to be a valuable and impactful gathering for all attendees.

Topical Meeting on Photonics (TMP)

Date:
5th August 2025

Time:
9:00 - 17:00

Location:
Akademia Siber Teknopolis,
Universiti Kebangsaan
Malaysia



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PLS: Machine Learning Algorithms for Surface Plasmon Resonance Bio-Detection Applications

IEEE Malaysia Section
IEEE Photonics Society

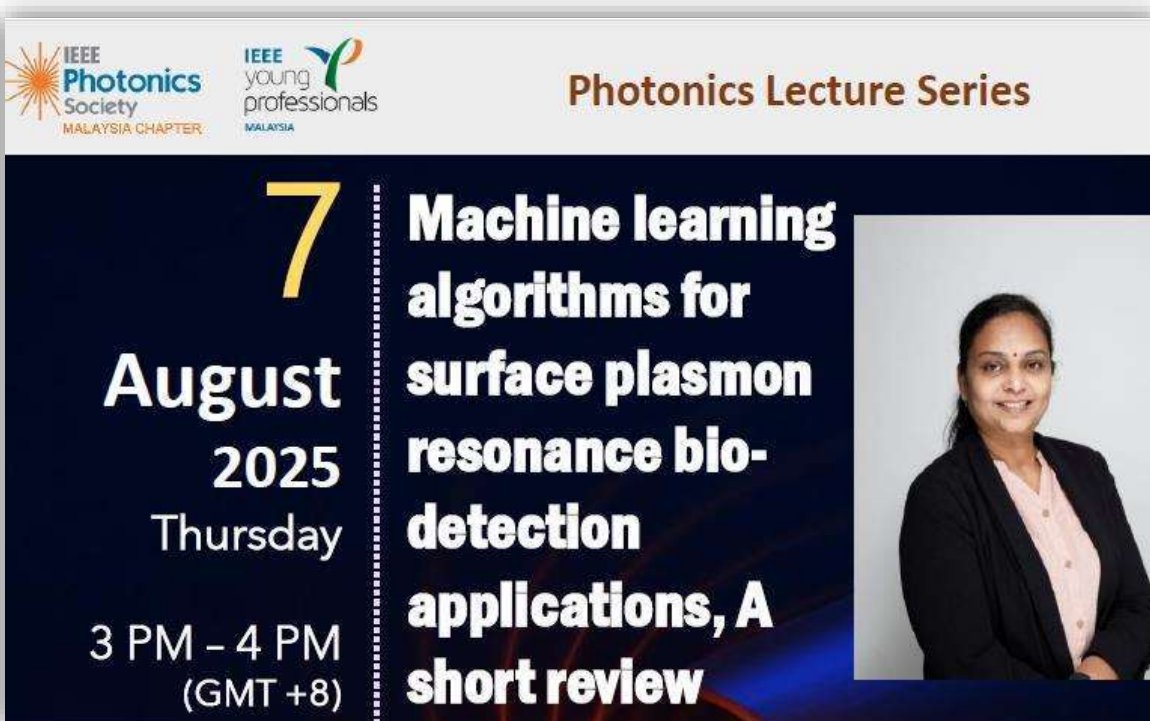
The IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia hosted a talk by Prof. Ir. Dr. Malathy Batumalay from INTI International University, entitled “Machine Learning Algorithms for Surface Plasmon Resonance Bio-Detection Applications”. Prof. Malathy first outlined the high sensitivity of SPR sensors for detecting pollutants and biomarkers, then addressed their key challenges, such as high cost and cross-sensitivity. She demonstrated how integrating Artificial Intelligence (AI) and Machine Learning (ML) with these sensors can overcome traditional limitations, significantly enhancing their accuracy and efficiency. This integrated approach is paving the way for the next generation of advanced sensing platforms. The successful session was highly informative, and we extend our sincere thanks to Prof. Malathy for her excellent presentation and to all participants for their engagement.

Photonics Lecture Series

Date:
7th August 2025

Time:
15:00 - 16:00

Location:
MS Teams



The poster features the IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia logos at the top left. The title "Photonics Lecture Series" is at the top right. The main text on the left reads "7 August 2025 Thursday 3 PM - 4 PM (GMT +8)". The main text on the right reads "Machine learning algorithms for surface plasmon resonance bio-detection applications, A short review". A portrait of Prof. Ir. Dr. Malathy Batumalay is on the right side of the poster.

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Training of Trainers: STEM Robotics @ UiTM Shah Alam.

IEEE Malaysia Section
IEEE Photonics Society

The IEEE Photonics Society Malaysia Chapter, in collaboration with the Faculty of Electrical Engineering, Universiti Teknologi MARA (UiTM) Shah Alam, conducted a Training of Trainers (ToT) session focused on robotics development and programme planning.

The session comprised technical briefings, hands-on robot development and testing, as well as group discussions aimed at preparing facilitators for effective programme delivery.

This ToT session served as a preparatory platform for the robotics outreach programme conducted on 21 August 2025 at Sekolah Kebangsaan Salak, Sepang, under the Pre-University STEM initiative.

ToT STEM Robotics

Date:
19th August 2025

Time:
09:00 - 17:00

Location:
UiTM Shah Alam



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STEM Robotic: My Robot Explorer Challenge with SK Salak, Sepang.

The IEEE Photonics Society Malaysia Chapter (MyIPS) successfully organised the *STEM Robotic: My Robot Explorer Challenge* on 21 August 2025 at Sekolah Kebangsaan Salak, Sepang.

The programme was designed to promote interest and understanding in STEM and robotics among primary school students through structured, hands-on learning activities. A total of 30 students from Years 4 and 5, accompanied by eight teachers, participated in sessions that included basic robot assembly, control, and a friendly robot race challenge.

The initiative received positive feedback from both students and teachers, reflecting its effectiveness in enhancing teamwork, creativity, and problem-solving skills. The Chapter extends its appreciation to Sekolah Kebangsaan Salak, the facilitators, and all IEEE Photonics Society volunteers for their support and commitment, which contributed to the successful delivery of the programme.

IEEE Malaysia Section IEEE Photonics Society

STEM Robotic: My Robot Explorer

Date:
21th August 2025

Time:
09:00 - 16:00

Location:
Sekolah Kebangsaan Salak,
Sepang.



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IEEE Photonics Society Malaysia Chapter Co-Sponsors IEEE YESIST12 2025 Grand Finale at UKM

The IEEE Photonics Society Malaysia Chapter co-sponsored the IEEE YESIST12 2025 Grand Finale Competition, co-hosted by the IEEE UKM Student Branch and the IEEE Electron Devices Society UKM Student Chapter, held on 23–24 August 2025 at Universiti Kebangsaan Malaysia (UKM), Bangi, under the theme *“Age of Innovation: Ignite Your Ideas, Transform Tomorrow!”*.

The international event brought together 374 young innovators aged 12 to 21 from 10 countries, selected from over 8,500 participants and 2,500 projects worldwide, across six innovation tracks. Three representatives from the IEEE Photonics Society Malaysia Chapter served as judges: Dr Nadiah Hussein Zainol Abidin (Maker track), Assoc. Prof. Dr Barirah Binti Ahmad Anas, and Prof. Ir. Dr Norhana Arsad (FET100 track).

The opening ceremony was officiated by YB Senator Puan Saraswathy Kandasami, Deputy Minister of National Unity, Malaysia. The closing ceremony was graced by Prof. Datuk Dr Roslee Rajikan, Pro Vice-Chancellor (Strategy and Corporate Development), Universiti Kebangsaan Malaysia, who presented awards to the winners.

IEEE Malaysia Section IEEE Photonics Society

YESIST12 2025

Date:
23–24th August 2025

Time:
15:00 - 16:00

Location:
Akademia Siber Teknopolis,
AST



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Turn Thesis to Research Book Workshop @ UiTM

IEEE Malaysia Section IEEE Photonics Society

The programme was organised by the IEEE Photonics Society Malaysia Chapter in collaboration with the Institute of Engineering and Smart Materials (IIESM), Universiti Teknologi MARA (UiTM) Shah Alam.

The workshop covered key modules including Thesis-to-Book Fundamentals, Book Layout and Publishing Terms, Chapter Development, and Final Manuscript Preparation, with a specific focus on Springer publications indexed by Scopus.

The programme was open to UiTM staff and IEEE members, with a 20% registration fee discount offered to IEEE members, and attracted a total of 18 participants.

Thesis to Book Workshop

Date:
26-27th August 2025

Time:
09:00 - 17:00

Location:
Universiti Teknologi MARA
(UiTM) Shah Alam



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PLS: An Introduction to Distributed Acoustics Sensing

IEEE Malaysia Section IEEE Photonics Society

The IEEE Photonics Society Malaysia Chapter, in collaboration with Sunway University and the Smart Photonics Research Laboratory, organised an IEEE Photonics Lecture Series entitled *"An Introduction to Distributed Acoustic Sensing"* on 6 October 2025 at Sunway University.

The lecture was delivered by Dr Muhammad Imran Mustafa Abdul Khudus, Senior Lecturer at Universiti Malaya. The talk introduced the fundamental principles of Distributed Acoustic Sensing (DAS) and its associated data analytics, with discussion on the role and applications of DAS across various sensing domains.

The session provided valuable insights into emerging photonics-based sensing technologies and contributed to knowledge sharing among researchers, academics, and students.

Photonics Lecture Series

Date:
6th October 2025

Time:
10:00 - 12:00

Location:
Sunway University



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STEM: Fun with Lights with Sekolah Kebangsaan KLIA, Sepang

IEEE Malaysia Section IEEE Photonics Society

The IEEE Photonics Society Malaysia Chapter organised a STEM outreach programme entitled “*STEM: Fun with Lights*” on 5th November 2025 at Sekolah Kebangsaan KLIA, Sepang.

The programme engaged 38 primary school students in a series of hands-on activities designed to introduce fundamental concepts of light and photonics. The activities focused on key topics such as reflection, refraction, colour mixing, shadow formation, and basic lens principles, with the objective of promoting interest in STEM through experiential learning.

The Chapter extends its appreciation to Sekolah Kebangsaan KLIA for their support and cooperation, as well as to all IEEE Photonics Society Malaysia Chapter volunteers whose commitment contributed to the successful execution of the programme.

STEM: Fun with Lights

Date:
5th November 2025

Time:
09:00 - 16:00

Location:
Sekolah Kebangsaan KLIA,
Sepang



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PLS: Exploring Microplastic Signatures via Scattering Patterns and Machine Learning

IEEE Malaysia Section
IEEE Photonics Society

On 14 November 2025, the IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia hosted a lecture by Dr Sinan Genç at UNITEN, Putrajaya, on using light and machine learning to detect microplastics. Dr Genç explained how his research uses laser light to create "scattering patterns" that act like a fingerprint for tiny plastic particles in water. By applying Mie-theory modelling and machine learning, his team can identify the size and material of these pollutants with incredible accuracy. This innovative approach offers a path toward creating affordable, portable devices for real-time environmental monitoring, showing how photonics can provide practical solutions to the global plastic crisis.

Photonics Lecture Series

Date:
14th November 2025

Time:
10:00 - 12:00

Location:
Universiti Tenaga Nasional
(UNITEN), Putrajaya



The poster features the IEEE Photonics Society Malaysia Chapter and IEEE Young Professionals Malaysia logos at the top left. The title "Photonics Lecture Series" is at the top right. The main text on the left reads "14 November 2025 Friday" and "10 AM - 12 PM (GMT +8)". The lecture title "Exploring Microplastic Signatures via Scattering Patterns and Machine Learning" is in the center. A portrait of Dr. Sinan Genç is on the right.

[LEARN MORE](#)

QUARTER 3 REPORT

(July - Sept 2025)

Prepared by: Dr Sivajothi Paramasivam (sivajp@ieee.org)

IEEE Malaysia Section

Robotics & Automation Society

Talk: Innovation with Consequences

Innovation has long been a driving force behind human progress, enabling advancements in science, technology, and society. However, each breakthrough often carries unintended consequences alongside its intended benefits. While innovations can enhance efficiency, improve quality of life, and open new opportunities, they may also introduce ethical dilemmas, social inequalities, environmental risks, or avenues for misuse. This dual nature underscores the complexity of innovation as both a catalyst for positive change and a potential source of disruption. Understanding and addressing these consequences—through responsible design, ethical frameworks, and proactive regulation—is essential to ensure that innovation serves the broader good without undermining societal stability. The main speaker of the event Dr Mohamed Khan briefed the audience the dark side of the technology and how to achieve the balance between the positive and negative effects. More than 30 students from various faculties attended this event. The event started at 3 PM and ended at 4.30PM



6th International Conference on Robotics and Manufacturing Automation (ROMA 2025)

The IEEE RAS Malaysia Chapter successfully organized the 6th International Conference on Robotics and Manufacturing Automation (ROMA 2025) on 20-21 August 2025 at UNIKL MFI, Bangi. With the theme "Robotics and Automation for Sustainable Industrial Evolution," the event emphasized the role of robotics in driving sustainability in modern industries. Chaired by Dr. Noor Ayuni, with key support from Dr. Sarah Atifah (Technical Chair), Dr. Kishore Bingi (Publication Chair), and Dr. Raja Fazliza (Program Chair), the conference welcomed around 90 participants from academia and industry. Dr. Ayuni opened the event by recognizing six prominent keynote speakers and international collaborators—Dr. M.G.R Educational and Research Institute, India (also a Gold Sponsor), and the University of Technology and Applied Science, Ibra, Oman. ROMA 2025 featured nine technical tracks, receiving 116 submissions. After peer review, 69 high-quality papers were selected and presented in hybrid mode, reflecting the conference's focus on research excellence. Best Paper Awards were presented by Dr. Mohammed Fahmi, Chair of IEEE RAS Malaysia Chapter, with winners selected by the Technical Committee led by Dr. Azrina Aziz. The event concluded with acknowledgments to UNIKL MFI, reviewers, session chairs, and all contributors for their efforts in making ROMA 2025 a successful and impactful platform for knowledge exchange. ROMA 2025 reaffirmed RAS's commitment to advancing robotics through collaboration, innovation, and sustainability.



Rapid Digitization with Arcstone MES Platform

On 20 August 2025, IEEE RAS hosted a technical workshop titled "Rapid Digitization with Arcstone MES Platform" in collaboration with a U.S.-based industry at UNIKL MFI, Bangi. Coordinated by Dr. Low Cheng Yee and facilitated by Mr. Chin Wai, Enterprise Accounts Lead, the event introduced 25 participants—both in-person and online—to the fundamentals and benefits of the Arcstone MES platform in enhancing automation, efficiency, and innovation in smart manufacturing. Dr. Low opened the session by emphasizing the importance of digital transformation and smart solutions in today's manufacturing landscape. Mr. Chin Wai then presented an overview of the Arcstone MES Platform, showcasing its real-time integration capabilities for improved traceability and operational transparency. The workshop followed a structured agenda covering Digital Workflow, Digital Checklist, Production Execution with Real-Time Data Collection, and Real-Time Dashboards—each delivered in 15-minute segments. The session concluded with a 25-minute hands-on simulation and Q&A, allowing participants to interact directly with the platform. Dr. Low concluded by thanking Mr. Chin and reaffirming IEEE RAS's mission to drive innovation and digital readiness in robotics and automation.



Industrial Visit: KUKA Robot Automation Sdn. Bhd.

On Friday, 22nd August 2025, IEEE Robotics and Automation Society (RAS) Malaysia Chapter organized an industry visit to KUKA Robot Automation (M) Sdn. Bhd. in Puchong, Selangor, under the theme "Step into The Future - Let's Visit KUKA." Led by Dr. Low Cheng Yee, the 16-member delegation aimed to deepen understanding of advanced robotics technologies, in alignment with RAS's mission to promote innovation and knowledge exchange in robotics and automation. The visit commenced at 9:45 AM with a warm welcome by Mr. Vincent Chia, Vice President (Sales), who presented an overview of KUKA's global operations, innovation in Industry 4.0, and contributions to sectors such as automotive, electronics, logistics, and healthcare. Following a safety briefing, participants toured the facility to observe KUKA's robotic systems in action. Mr. Chia provided in-depth explanations on six-axis robotic arms, flexible programming, sensor integration, and applications in welding, assembly, and inspection. The visit concluded at 12:00 PM with a token exchange ceremony and a vote of thanks from IEEE RAS Malaysia. The engagement provided valuable insights and fostered stronger academic-industry collaboration, reinforcing RAS's vision of advancing robotics for societal and industrial impact.



QUARTER 4 REPORT

(Oct - Dec 2025)

Prepared by: Dr Sivajothi Paramasivam (sivajp@ieee.org)



Joint RAS-UNIKL MFI ROMA 2025 Technical & Logistic Management Secretariat Meeting

A joint RAS-UNIKL MFI ROMA 2025 Technical & Logistic Management Secretariat Meeting was held on 18th Aug 2025. The meeting began at 2:15 PM with introductions and an ice-breaking session involving all committee members and volunteers. The committee selected the Master of Ceremony for both event days. MC responsibilities were briefly outlined which include delivering welcome notes, introducing speakers, coordinating session transitions, managing announcements, and aligning cues with the technical team.

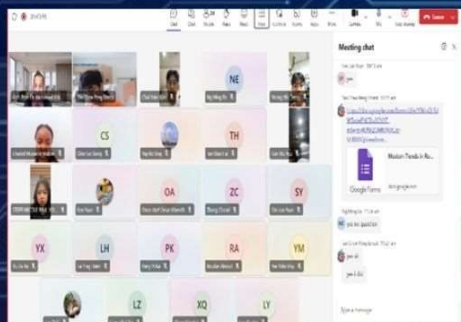
The event flow was finalized, beginning with opening remarks from institutional and ROMA and RAS leadership (Noor Ayuni and Muhammad Fahmi), followed by keynote sessions, an industry forum (moderated by Low Cheng Yee), and photo sessions. Based on the flow of event, detailed planning was conducted for backdrop design, segmented visual templates, and high-resolution slide preparation. Next, registration procedures supported by registration task force were outlined with designated counters for participants, speakers, MBOT, workshops, Drone technical talk, and the Day 2 KUKA visit.

A full technical walkthrough was completed on 31 July 2025 led by Noor Ayuni and Raja Fazliza. Venue readiness, housekeeping, AV requirements, safety, and signage were critically reviewed, emphasizing participant comfort, cleanliness, and smooth movement across event spaces. Photography and videography responsibilities were assigned to ensure comprehensive coverage and timely content processing. Workshop setup, drone presentation by Dr MGR University, India, logistics coordination, parking management, catering arrangements, and water refreshment for each session were addressed with clear deliverables for each responsible team. The program content committee finalized session sequencing, timing blocks, and industry visit coordination, with strict deadlines for circulating the final program draft and collecting speaker profiles. The softcopy ROMA 2025 Program Booklet will be produced in a mobile-optimized PDF format, incorporating hyperlinks, QR codes, and verified content accuracy. This will be finalized by 19 August 2025. Additional tasks include the preparation of souvenir kits, goodie bag packing, and the establishment of a safety management team. The meeting concluded at 5:30 PM with appreciation to all members.



Event: Technical Talk - Modern Trends in Robotic surgery

A technical talk was organized by IEEE UCSI Student branch and MINDS Malaysia on 11th Oct 2025. The session has hosted via online platform. The objective of this event was to share the researcher's knowledge among the participants. Dr. Mohamed Khan presented a 1.30-hour technical talk on - Modern trends in Robotic surgery and conducted a simulation-based training. Robotic surgery, also known as robot-assisted surgery, is a type of minimally invasive surgery that utilizes robotic systems to aid surgeons in performing complex procedures with greater precision, flexibility, and control than is possible with conventional techniques. Robotic surgery represents a significant advancement in surgical technology, offering numerous benefits to both patients and surgeons. As the technology continues to evolve and become more widespread, it is expected to play an increasingly important role in the future of surgery. In this talk a brief summary of Robotic surgery and its application to medical industry presented. More than 35 students from various faculties attended this event and among them were 10 IEEE members. The event started at 10.00am and ended at 11.30 am.



Enhancing Research Writing: Technical Paper Preparation by IEEE Fellow



IEEE Council on RFID
Malaysia Chapter

The IEEE Council on RFID Malaysia Chapter, together with the IEEE AP/MTT/EMC Joint Chapter and the Faculty of Computer Intelligence, UniMAP, organized a Distinguished Speaker Series titled **“How to Prepare a Good Technical Paper”** on 5 December 2025 at the RF Keysight Laboratory, UniMAP TVET Centre. The session drew **80 participants** from both IEEE and the academic community.

Prof. Kwok Wa Leung of the City University of Hong Kong—an IEEE Fellow and former Editor-in-Chief of the *IEEE Transactions on Antennas and Propagation*—delivered the lecture. He shared key principles of high-quality technical paper writing, effective publication strategies, and common expectations of leading journals. Prof. Leung also provided an overview of current research directions in antenna engineering, dielectric resonator antennas, millimeter-wave technologies, and electromagnetic modeling. His insights enriched participants’ understanding of advanced RF concepts while strengthening scholarly writing skills.

The event successfully enhanced research awareness within UniMAP and fostered stronger collaboration between IEEE chapters and the university’s engineering community.

Distinguished Speaker Series

Date & Time:

05 December 2025

4.00pm – 5.00pm

Location:

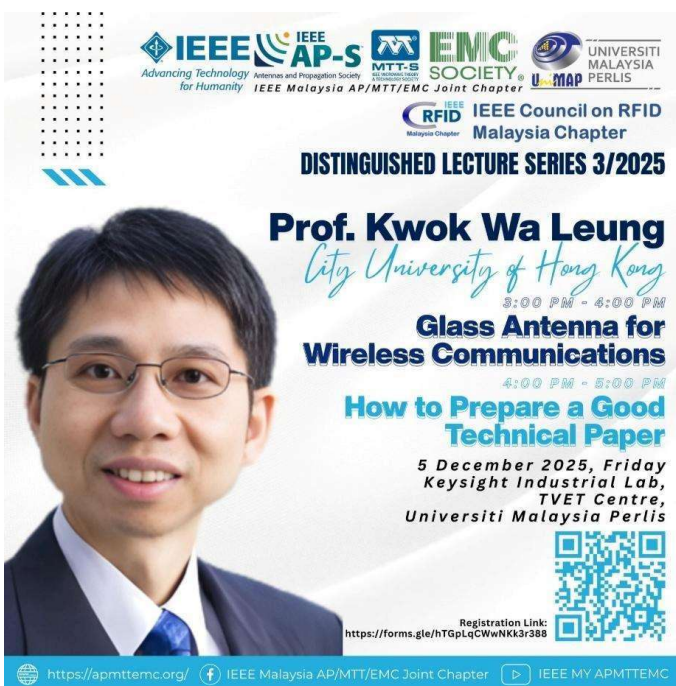
RF Keysight Laboratory,
UniMAP TVET Centre

Prepared by:

Nur Hidayah Ramli &

Lim Chee Chin

University Malaysia Perlis



IEEE AP-S MTT-S EMC SOCIETY UMAP
Advancing Technology Antennas and Propagation Society for Humanity IEEE Malaysia AP/MTT/EMC Joint Chapter

IEEE Council on RFID
Malaysia Chapter

DISTINGUISHED LECTURE SERIES 3/2025

Prof. Kwok Wa Leung
City University of Hong Kong

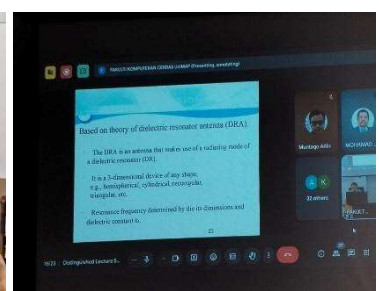
3:00 PM - 4:00 PM
Glass Antenna for Wireless Communications

4:00 PM - 5:00 PM
How to Prepare a Good Technical Paper

5 December 2025, Friday
Keysight Industrial Lab,
TVET Centre,
Universiti Malaysia Perlis

Registration Link:
<https://forms.gle/hTGPtQWwNKK3r388>

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



Bridging Theory & Practice: Students Visit MYSA & Digital Nasional Berhad

IEEE Malaysia Section



IEEE Council on RFID
Malaysia Chapter

The Programme of Electronic Telecommunication Design, in collaboration with the IEEE Council on RFID Malaysia Chapter, conducted the **Academic Visit** on **4 November 2025**. A total of **34 students** and **7 academic staff** participated in the visit, which aimed to strengthen industry exposure in satellite technology and national 5G infrastructure.

The first visit was to the **Malaysia Space Agency (MYSA)**, where participants received a comprehensive briefing on Malaysia's space technology initiatives, including satellite applications, remote sensing, and national geospatial programmes. Students also toured MYSA facilities and engaged with officers to better understand operational practices and regulatory aspects of the space sector. The delegation then visited the **My5G Portal by Digital Nasional Berhad (DNB)** at TRX, where they were introduced to Malaysia's 5G deployment strategy, network architecture, spectrum management, and key national rollout efforts. Demonstrations of 5G applications further enhanced understanding of next-generation communication technologies.

Overall, the academic visit effectively connected classroom learning with real-world engineering practices, supporting the programme's commitment to producing industry-ready graduates equipped with current knowledge in telecommunications and emerging technologies

Distinguished Speaker Series

Date & Time:

04 November 2025

4.00pm – 5.00pm

Location:

RF Keysight Laboratory,
UniMAP TVET Centre

Prepared by:

Nur Hidayah Ramli &

Lim Chee Chin

University Malaysia Perlis



Bridging Theory & Practice: Students Visit MYSA & Digital Nasional Berhad

IEEE Malaysia Section



IEEE Council on RFID
Malaysia Chapter

The Interactive Physics Talk 2025 held an online session on **21 November 2025** titled *"AI-Powered Literature Reviews: Faster, Smarter and More Efficient."* The event was jointly organized by the Physics Section, School of Distance Education, USM APEX, and the IEEE Council on RFID Malaysia Chapter.

The session featured **Assoc. Prof. Ir. Ts. Dr. Hasliza A. Rahim @ Samsuddin**, Chair of the IEEE Council on RFID Malaysia Chapter, who shared insights based on her extensive academic and professional experience. Moderated by **Dr. Nor Zakiah Yahaya**, the virtual talk was conducted via Webex from 10:00 a.m. to 12:00 p.m.

The programme introduced participants to modern AI-enabled approaches for conducting literature reviews, highlighting how artificial intelligence can enhance research speed, accuracy, and overall productivity. The session provided valuable guidance for students, researchers, and academics, while fostering knowledge sharing within the physics, engineering, and research communities.

Distinguished Speaker Series

Date & Time:

21 November 2025
10.00am – 12.00pm

Location:

RF Keysight Laboratory,
UniMAP TVET Centre

Prepared by:

Lim Chee Chin
University Malaysia Perlis



AI-Powered Literature Reviews: Faster, Smarter and More Efficient

Interactive Physics Talk 2025

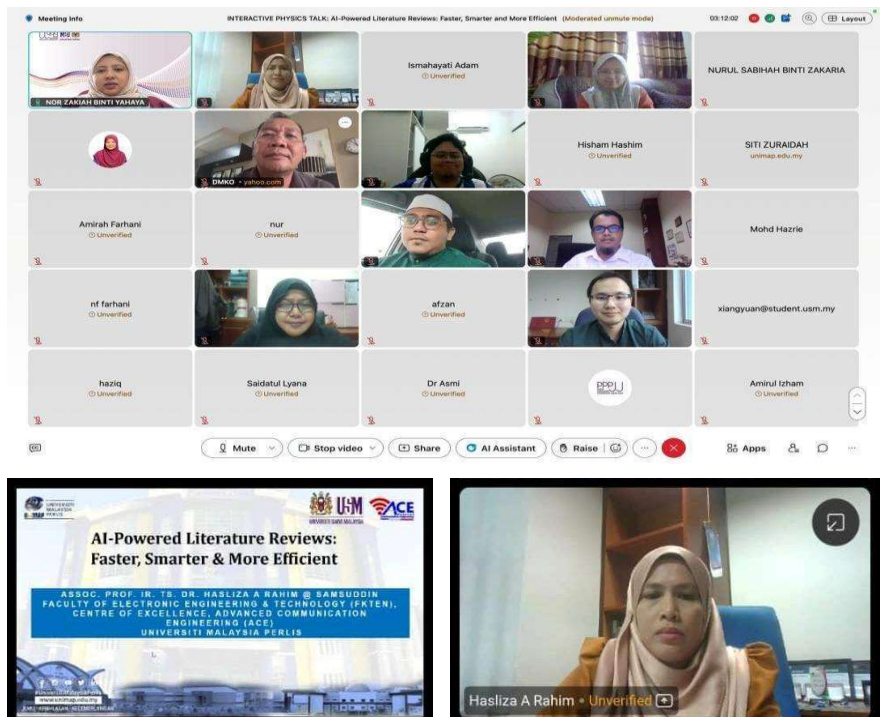
Speaker:
Prof. Madya Ir. Ts. Dr. Hasliza A Rahim @Samsuddin

- Chair, IEEE Council on RFID Malaysia Chapter
- Scopus 215, H-Index 22
- Web 112, i10-index 17
- Google Scholar 252, H-Index 26
- Young Scientist Award (2016, 2018-2019)
- Research Excellence Award 2023, IEEE RFID
- High Impact Journal Award (2019-2021, 2019-2022, 2024)
- 7 Best Paper Awards
- 2 Top Cited Paper Awards (2019-2024), IEEE AP/MT/PMC Joint Chapter

21 NOV 2025
Friday | 10:00 am - 12:00 pm.

webex
<https://silnk.com/jbEP7>

Moderator:
Dr. Nor Zakiah Yahaya



Meeting Info: INTERACTIVE PHYSICS TALK: AI-Powered Literature Reviews: Faster, Smarter and More Efficient (Moderated unmuting mode) 03:12:02

Participants:

- NOR ZAKIAH BINTI YAHAYA
- Ismahayati Adam
- NURUL SABIHAH BINTI ZAKARIA
- Hisham Hashim
- SITI ZURAIDAH
- Mohd Hazrie
- afzan
- xiangyuan@student.usm.my
- Amirul Izhah
- Dr Asmi
- Salidatul Lyana
- Amirah Farhani
- nur
- hafiz
- Hasliza A Rahim

AI-Powered Literature Reviews: Faster, Smarter & More Efficient

ASSOC. PROF. IR. TS. DR. HASLIZA A RAHIM @ SAMSUDDIN
FACULTY OF ELECTRONIC ENGINEERING & TECHNOLOGY (FKTEN),
CENTRE OF EXCELLENCE, ADVANCED COMMUNICATION
ENGINEERING (ACE)
UNIVERSITI MALAYSIA PERLIS

Strengthening Industry Links: Academic Visit to Quectel and IoTronix



The UR6523008 Bachelor of Electronic Engineering Technology (Electronic Telecommunication Design) programme, in collaboration with the **IEEE RFID Malaysia Chapter**, conducted an academic visit to Penang on **3 November 2025**. The visit provided valuable industry exposure for **34 final-year students** accompanied by **7 academic staff**.

The delegation's first stop was **Quectel Wireless Solutions Penang Sdn. Bhd.**, where they were welcomed by **Mr. James Cai**, General Manager of Quectel. The programme included a corporate briefing, an R&D presentation, and a guided laboratory tour showcasing the company's research and development capabilities in wireless technologies. The visit continued to **IoTronix**, Quectel's production facility in Bayan Lepas, where students observed real-world manufacturing processes and electronic circuit production workflows. This experience provided participants with direct insights into industry practices, quality control procedures, and large-scale electronics manufacturing operations.

Academic Visit to Quectel Wireless Solutions & IoTronix

Date & Time:
03 November 2025
08.00am – 05.00pm

Location: [Penang](#)

Prepared by:
[Nur Hidayah Ramli](#)
[University Malaysia Perlis](#)



Engineering Education: Keysight RF Microwave Courseware Training

IEEE Malaysia Section



**IEEE Council on RFID
Malaysia Chapter**

The Keysight RF Microwave Courseware Training, held on **2 October 2025**, successfully strengthened participants' knowledge and technical competency in RF and microwave engineering. Organized by **Keysight Technologies** in collaboration with **FTKEN, UniMAP**, the session showcased Keysight's latest educational tools and laboratory courseware for teaching and research.

The half-day programme combined focused theoretical briefings with hands-on demonstrations using Keysight instruments and software. Academic and technical staff explored key areas such as signal measurement, circuit testing, and data analysis, while discussions with Keysight representatives provided valuable insights and opportunities for future collaboration.

The training effectively achieved its objectives by exposing participants to industry-standard tools and enhancing their understanding of RF measurement fundamentals. The positive engagement reflects the strong partnership between UniMAP and Keysight, paving the way for future technical workshops and academic-industry initiatives.

Keysight RF Microwave Courseware Training

Date & Time:

03 November 2025

08.00am – 05.00pm

Location: **Keysight Lab,
UniMAP**

Prepared by:

Nur Hidayah Ramli &

Lim Chee Chin

University Malaysia Perlis



IEEE
Advancing Technology
for Humanity

RFID IEEE Council on RFID
Malaysia Chapter

**UNIVERSITI
MALAYSIA
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TECHNICAL WORKSHOP SERIES

**KEYSIGHT RF
MICROWAVE
COURSEWARE TRAINING**

**KEYSIGHT
TECHNOLOGIES**

Ts. Mohamad Hafize Bin Ramli
Sr. Application Engineer
Accredited HRDC Trainer

tekmark

Thursday
2nd October 2025
9.00 am - 2.00 pm

TVET Centre,
Universiti Malaysia Perlis

<https://www.facebook.com/IEEE-RFID/>
<https://www.linkedin.com/company/ieee-council-on-rfid-malaysia-chapter/>



Hands-On Training: Mastering 6 GHz Handheld Vector Network Analysis

IEEE Malaysia Section



IEEE Council on RFID
Malaysia Chapter

The Program Electronic Telecommunication Design, FTKEN UniMAP, together with the IEEE Council on RFID Malaysia Chapter, conducted the Handheld Vector Network Analyzer (6 GHz) Training on 5 December 2025 at the RF Keysight Laboratory, UniMAP TVET Centre.

The session involved seven participants comprising academic staff, technical officers, and students. Delivered by Sanko Technologies Sdn Bhd, the training introduced participants to essential RF and microwave measurement techniques using a handheld VNA and signal generator. Key topics included S-parameter characterization, spectrum analysis, cable and antenna testing, distance-to-fault (DTF) evaluation, and return loss measurements.

Participants gained practical experience in calibration procedures, instrument setup, measurement accuracy, and field-level diagnostics for RF link performance and signal integrity assessments. The session strengthened technical competency in portable RF testing aligned with industry best practices, supporting teaching, research, and real-world engineering applications.

Hands-On Training: Mastering 6 GHz Handheld Vector Network Analysis

Date & Time:

05 December 2025

08.00am – 05.00pm

Location: [Keysight Lab, UniMAP](#)

Prepared by:

[Nur Hidayah Ramli &](#)

[Lim Chee Chin](#)

[University Malaysia Perlis](#)



STEM IoT Workshop

IEEE Malaysia Section Sabah Subsection

The IEEE Sabah Subsection, in partnership with the Electronic Engineering (Computer) Programme, Faculty of Engineering, Universiti Malaysia Sabah, successfully conducted a STEM IoT Workshop on 10 December 2025 at SMK Tebobon. The workshop involved 20 teachers and 70 students from Form 1 to Form 4. It was led by Dr. Aroland M'Conie Jilui Kiring, Head of the Electronic Engineering (Computer) Programme, alongside with Dr. Tan Min Keng, IEEE UMS Student Branch advisor. The workshop introduced fundamental Internet of Things (IoT) concepts through engaging hands-on activities, fostering students' interest in technology, innovation, and STEM-related fields.



STEM IoT Workshop

Date:
10 December 2025

Time:
08:00 - 17:00

Location:
SMK Tebobon
Kota Kinabalu, Sabah



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Website: www.ieeesabah.org

Facebook: [IEEE Sabah Subsection](#)

www.ieee.org



Shaping 2026: Annual Insights & Membership Drive

IEEE Malaysia Section Sabah Subsection

The IEEE Student Branch (UMS), in collaboration with the IEEE Sabah Subsection, successfully organized the IEEE Membership Drive 2026 on 11 December 2025, attracting over 108 participants. The event was officiated by Dr. Kenneth Teo Tze Kin, Chair of the IEEE Sabah Subsection, together with Dr. Leau Yu Beng. The programme highlighted the benefits of IEEE membership, presented the roadmap of planned activities for 2026, and concluded with the nomination of committee members, fostering greater engagement and leadership development among participants.



Shaping 2026: Annual Insights & Membership Drive

Date:
11 December 2025

Time:
16:00 – 17:30

Location:
Makmal Umum 1
Faculty of Engineering
Universiti Malaysia Sabah



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Website: www.ieeesabah.org

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

www.ieee.org

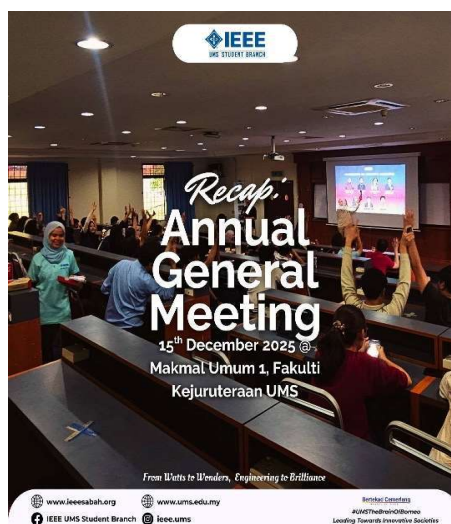




IEEE UMS Student Branch Annual General Meeting 2025

The IEEE UMS Student Branch Annual General Meeting (AGM) 2025 was successfully held on 15 December 2025 at Makmal Umum 1, Faculty of Engineering, bringing together over 70 members. The meeting reviewed the key achievements of the 2024/2025 committee and marked a significant transition with the dissolution of the outgoing committee and the election of the new 2025/2026 committee, led by Elson Alin Albert as Chair. The session was further enriched by the presence and guidance of the IEEE Sabah Subsection Chair, Dr. Kenneth Teo Tze Kin and the Student Branch Advisor, Dr. Tan Min Keng, providing valuable direction and setting a positive tone for the year ahead.

IEEE Malaysia Section Sabah Subsection



IEEE UMS Student Branch AGM 2025

Date:
15 December 2025

Time:
16:00 - 17:30

Location:
Makmal Umum 1
Faculty of Engineering
Universiti Malaysia Sabah



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Website: www.ieeesabah.org

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

www.ieee.org



Big Day Out Sparks Curiosity in Robotics and Engineering

IEEE Malaysia Section
IEEE Sarawak Subsection

In collaboration with the Faculty of Engineering, Computing and Science (FECS) of Swinburne Sarawak, the IEEE Malaysia Sarawak Subsection contributed to the Swinburne Big Day Out (SBDO) 2025, held on 19th July 2025, under the Robotics, Mechatronics, and Mechanical Engineering track. SBDO 2025 was organised as a one-day programme aimed at cultivating students' curiosity in STEM and promoting these disciplines as promising career options. Guided by the theme "Carbon Warriors: Tackling Climate Change Together," the event encouraged secondary school students to reflect on climate issues and participate in activities that promote environmental action. The event successfully engaged 100 students (Form 4 and Form 5) from 5 participating schools across Kuching, Sarawak, through hands-on activities and interactive sessions.

**Swinburne Big Day Out:
Robotics, Mechatronics,
and Mechanical
Engineering Track**

Date:
19th July 2025

Time:
07:30 AM – 16:30 PM

Location:
Swinburne University of
Technology, Sarawak Campus



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Empowering Young Minds at Future ICT Coders 2025

IEEE Malaysia Section
IEEE Sarawak Subsection

The IEEE Sarawak Subsection joined forces with Swinburne University of Technology Sarawak for Future ICT Coders 2025, held on 19th and 26th July under the IoT track.

Over the two-day event, Form 3 to 6 students from secondary schools across Kuching, Sarawak dived into the fast-growing world of ICT, exploring fields such as Artificial Intelligence, Cybersecurity, Data Science, Software Development, and the Internet of Things (IoT). The students brought their creativity to life through hands-on workshops and team challenges, designing and showcasing their very own mini projects. The event offered an exciting platform for young innovators to experience the possibilities of technology and teamwork first-hand.

Future ICT Coders 2025

Date:

19th & 26th July 2025

Time:

08:30 AM – 16:00 PM

Location:

Swinburne University of
Technology, Sarawak Campus



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Robotics Competition Inspires Young Innovators

IEEE Malaysia Section
IEEE Sarawak Subsection

The 2025 IEEE Sarawak Robotics Bootcamp & Competition, co-organized with Swinburne University of Technology Sarawak (SUTS), concluded successfully on 6th September 2025, highlighting the teamwork and problem-solving skills of secondary school students from across Kuching, Sarawak. The program kicked off on 2nd August 2025 with a hands-on training session, where participants were introduced to robotics fundamentals and guided through the setup and configuration of the MBOT robot. This training equipped students with the knowledge and skills needed for the final competition. This year's competition featured 67 students from six secondary schools, forming a total of 21 teams, with 15 in the Junior Category and 6 in the Senior Category.

For more details, visit our website at <https://sarawak.ieeemy.org/4th-ieee-sarawak-robotics-competition-inspires-young-innovators-at-swinburne-sarawak/>

2025 4th IEEE Sarawak Robotics Bootcamp and Competition

Date:
6th September 2025

Time:
08:30 AM – 16:30 PM

Location:
Swinburne University of
Technology, Sarawak Campus



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Teachers Explore Game-Based Learning at IEEE Workshop

IEEE Malaysia Section
IEEE Sarawak Subsection

The Teaching Through Play: Serious Games for Active Learning workshop, held at Swinburne University of Technology Sarawak, brought together teachers from across Kuching to explore innovative ways to enhance classroom engagement. Co-organized with the IEEE Sarawak Subsection and the IEEE Swinburne Sarawak Student Branch, the workshop introduced the use of serious games to motivate learners and promote active learning. Teachers explored platforms such as Educaplay, Baamboozle and Blooket, took part in interactive activities and designed game-based lesson plans suited to their classrooms. The programme also featured a bonus session on Generative AI prompting for creative lesson design, followed by team presentations. Overall, the workshop inspired participants to experiment with game-based and technology-enhanced teaching strategies to boost student participation.

For more details, visit our website at <https://sarawak.ieeemy.org/teachers-explore-game-based-learning-at-ieee-workshop>

Teaching Through Play: Serious Games for Active Learning

Date:
20th September 2025

Time:
08:30 AM – 16:00 PM

Location:
Swinburne University of
Technology, Sarawak Campus





Teaching Through Play: Serious Games for Active Learning

20 Sept 2025, Sat, 8:30AM to 4PM
Swinburne University Sarawak

Workshop Highlights:

- Learn about Serious Games
- Interactive Serious Game Demo
- Hands-On Serious Game Creation
- Design Game-Based Lesson Plans
- Learn Gen AI Prompting Basics

• Free Lunch & Tea Breaks
• Free Gifts & Informative Guides
• Attractive Prizes to be Won
• Certificate of Merit Included

Free for Teachers
Limited 30 Slots
Scan to Register!



For more information, please contact:
cchai@swinburne.edu.my

Organized by:





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IEEE Distinguished Lecture Program – Dr George Shaker

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

An IEEE Distinguished Lecture titled "Reimagining Health Monitoring Using Applied Electromagnetics" was successfully conducted on September 8, 2025, featuring Dr. George Shaker, Director of Wireless Sensors and Devices Laboratory at the University of Waterloo, Canada. The event was held in a hybrid format with online participation and on-site attendance at the Vibe Room, FKTN 1, Universiti Malaysia Perlis, drawing approximately 20 participants. Dr. Shaker's presentation focused on applied electromagnetics as a transformative technology for health monitoring applications, discussing how electromagnetic fields and waves can be utilized to develop non-invasive, accurate, and real-time health monitoring solutions. The session provided valuable insights into the emerging field of electromagnetic-based health monitoring, showcasing innovative approaches that could significantly impact future healthcare delivery and patient monitoring systems, highlighting cutting-edge research at the intersection of electromagnetic engineering and healthcare technology that promises to revolutionize current healthcare practices.

IEEE Distinguished Lecture

Date:
8th September 2025

Location:
Universiti Malaysia Perlis &
online



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IEEE Distinguished Lecture Program – Prof Shweta Agarwala

IEEE Malaysia Section

IEEE Sensors & Nanotechnology
Council Malaysia (SNCM)

IEEE Distinguished Lecture

The IEEE Distinguished Lecture Program featuring Prof. Shweta Agarwala on "Manipulating Materials for Sustainability and Performance: Route for Advanced Healthcare and Electronics" was successfully conducted on September 9th, 2025, from 10:00 AM to 11:00 AM at the Frontier Research Hall, UTP. This technical professional development event, organized by SNCM, COINN, and UTP, attracted 18 participants including 4 IEEE members and 14 guests who attended the free registration session. The lecture focused on responsible innovation through the development and integration of sustainable materials in healthcare and electronics sectors, particularly emphasizing printed and flexible devices, bio-derived polymers, nanocomposites, biodegradable implants, responsive drug delivery systems, and energy-efficient wearable medical devices. Prof. Agarwala's presentation highlighted how manipulating structural properties of nature-derived materials can preserve biodegradability while enhancing performance, establishing new pathways for materials-centric technological advancement that aligns with global sustainability initiatives. The event was coordinated by Assoc. Prof. Dr. Zainal Arif bin Burhanudin (zainalarif.burhanudin@utp.edu.my) and demonstrated the IEEE's commitment to advancing sustainable technology solutions in critical sectors.

Date:

9th September 2025

Location:

Frontier Research Hall,
Universiti Teknologi Petronas



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IEEE International Conference on Sensors & Nanotechnology (SENNANO 2025)

IEEE Malaysia Section

IEEE Sensors & Nanotechnology
Council Malaysia (SNCM)

SENNANO 2025

The IEEE International Conference on Sensors & Nanotechnology (SENNANO 2025) was successfully held from September 10-11, 2025, at Zenith Hotel, Putrajaya. The conference was officially opened by YBhg Encik Ismarul Nizam b Ismail @ Abdul Kadir, Principal Assistant Director of the Research & Corporate Development Section, Ministry of Science, Technology and Innovation (MOSTI).

The two-day event featured approximately 60 technical presentations covering diverse aspects of sensors and nanotechnology, ranging from advanced materials and devices to emerging sensor technologies and their practical applications. Beyond the oral presentations, SENNANO 2025 distinguished itself with an exceptional lineup of speakers, including a plenary address by Nobel Prize in Physics 2010 Laureate, Prof. Sir Konstantin Novoselov FRS, complemented by 6 international keynote speakers and 5 invited speakers—all of whom are current or former IEEE Distinguished Lecturers from the Sensors Council or Nanotechnology Council.

Date:

10th & 11th September 2025

Location:

Zenith Hotel, Putrajaya
MALAYSIA



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IEEE Distinguished Lecture Program – Prof Shweta Agarwala & Dr. Radislav A. Potyrailo

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

IEEE Distinguished Lecture

The Distinguished Lecture Program (DLP) was successfully organized at Auditorium B, Collaborative Microelectronic Design Excellence Center (CEDEC), Universiti Sains Malaysia (USM), jointly held with the IEEE Sensors and Nanotechnology Council Malaysia Joint Chapter. This program featured two distinguished DLP speakers, who delivered insightful lectures on emerging trends and advancements in sensors, nanotechnology, and related applications.

Prof. Shweta Agarwala – From E-waste to Eco-wonder sustainable electronics for a healthcare planet, Ahmedabad University, India

Dr. Radislav A. Potyrailo – Exploring natural and bio-inspired photonic nanostructures as gas sensors: From scientific curiosity to unexpected discoveries and to societal impact, Principal Scientist at GE Vernova Advanced Research Center.

Date:

12th September 2025

Location:

Collaborative Microelectronic
Design Excellence Center,
Universiti Sains Malaysia



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STEM Programme at Sek. Men. Kebangsaan Kem Terendak, Melaka

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

STEM Programme

Yayasan Lembaga Tabung Angkatan Tentera (LTAT) successfully conducted its first STEM Education Programme for the children of Malaysian Armed Forces (ATM) personnel in collaboration with Universiti Sains Malaysia (USM) and IEEE Sensors and Nanotechnology Council Malaysia Joint Chapter at SMK Kem Terendak, marking an important milestone in early STEM exposure for secondary school students. A total of 60 Form One students participated in a 3D Printing module, fully designed and delivered by USM and IEEE Sensors and Nanotechnology Council Malaysia Joint Chapter. The session was led by Mr. Khairul Anuar bin Mohd Zain, a Research Officer from the Collaborative Microelectronic Design Excellence Centre (CEDEC), USM. Students were introduced to 3D design software, fundamental modelling techniques, real-scale dimensioning, and the complete workflow from digital design to physical fabrication. To ensure experiential learning, USM brought dedicated 3D printing equipment to the school, enabling live demonstrations and hands-on practice. Students actively engaged in the printing process and successfully produced their own 3D-printed objects by the end of the session. The main objective of the programme was to cultivate early interest in Science, Technology, Engineering, and Mathematics (STEM) among students, while enhancing their creativity, critical thinking, and problem-solving skills through hands-on engineering activities. The programme also aimed to expose students to emerging technologies, bridge the gap between theoretical knowledge and real-world applications, and inspire them to pursue future studies and careers in technical and engineering fields.

Date:

8th December 2025

Location:

Sek. Men. Kebangsaan Kem
Terendak, Melaka



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The 2nd International Symposium on Emerging Trends in Semiconductor Technology 2025 (MiCSETS 2025)

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

MiCSETS 2025

The 2nd MiCTEC International Symposium for Emerging Trends in Semiconductor Technology (MiCSETS 2025) was successfully held online on 10 December 2025, attracting 53 participants from academia and industry. MiCSETS 2025 is proudly organized by The Centre of Excellence for Micro System Technology (MiCTEC), Universiti Malaysia Perlis, and co-organized by the Faculty of Electronic Engineering & Technology (FKTEN), Institute of Nano Electronic Engineering, UniMAP (INEE), IEEE Sensors & Nanotechnology Council Malaysia, and IEEE Electronics Packaging Society. The symposium featured eight distinguished speakers; Ir. Dr. Wong Shaw Fong (Intel Technology Sdn. Bhd.), Mr. Ahmad Shauqi Bin Abdul Halim (Osram Opto Semiconductors), Mr. Timothy Lee (SilTerra Malaysia Sdn Bhd), Mr. Lee Choon Gay (Ibiden Electronics Malaysia), Prof. Ir. Dr. Khairuddin Md Arshad (INEE, UniMAP), Prof. Dr. Asrulnizam Abdul Manaf (CEDEC, USM), Prof. Dr. Nattha Jindapetch (Prince Songkla University), and Assoc. Prof. Dr. Asral Bahari Jambek (MiCTEC, UniMAP). Covering topics such as heterogeneous integration, MEMS-CMOS innovation, LED technology, statistical methods for semiconductor analysis, MOSFET fundamentals, biosensing devices, and medical-grade chip development, MiCSETS 2025 successfully fostered impactful knowledge sharing and strengthened collaboration across the semiconductor community.

Date:
10th December 2025

Location:
Online platform



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STEM Programme at Sek. Men. Kebangsaan Pangkalan TLDM, Lumut

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

STEM Programme

Yayasan Lembaga Tabung Angkatan Tentera (LTAT) organized **STEM Education Programme for the children of Malaysian Armed Forces (ATM) personnel** in collaboration with **Universiti Sains Malaysia (USM)** and **IEEE Sensors and Nanotechnology Council Malaysia Joint Chapter** at **SMK Pangkalan TLDM, Lumut**, as part of its ongoing effort to expand access to quality education. The programme involved **60 Form Two and Form Three students** who participated in an interactive **Snap Circuit workshop** conducted by the USM team. The workshop introduced students to the **basic principles of electronics** through hands-on, experiential learning. Using Snap Circuit kits, students explored electronic components, circuit assembly, and system functionality in an engaging and easy-to-understand manner. The **primary objective of the programme** was to stimulate early interest in **Science, Technology, Engineering, and Mathematics (STEM)** while strengthening students' analytical thinking, creativity, and problem-solving skills. The initiative also aimed to connect theoretical knowledge with practical application, enabling students to gain a clearer understanding of how electronics are applied in everyday technologies.. Overall, the programme successfully enhanced STEM awareness, inspired curiosity in technology, and reinforced the strategic collaboration between Yayasan LTAT and USM and SNCM in nurturing future STEM talent.

Date:

10th December 2025

Location:

Sek. Men. Kebangsaan
Pangkalan TLDM, Lumut



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Events and Highlights

IEEE Malaysia Section Signal Processing Society



Image Processing, Image Analysis and Real-Time Imaging (IPIARTI) Symposium 2025

Date: 8 Sept 2025

Time: 08:00 - 18:00

Location: Universiti
Malaya (UM), Malaysia

IEEE Signal Processing Society Malaysia Chapter and Faculty of Computer Science and Information Technology, Universiti Malaya have jointly organized this free annual symposium, open to all IEEE and non-IEEE members. The objectives of this event was to bring together university researchers and industry professionals to share and discuss the latest trends in image processing, image analysis, and real-time implementation and also to promote the IEEE Signal Processing Society Malaysia Chapter as a platform for academic and industry engagement, networking, and professional advancement. The one-day program was attended by 90 participants (14 IEEE members, 4 IEEE student members). The opening of the event was graced by the Deputy Dean of Development, Faculty of Computer Science and Information Technology, UM, Prof. Dr. Siti Hafizah and IEEE SPS Vice Chair, Assoc. Prof. Ir. Ts. Dr. Mohd Norzali bin Hj Mohd. Keynote speakers were Dr. Jawad Shah from Alibaba Cloud Intelligence Group and Assoc. Prof. Ir. Dr. Ting Hua Nong from Universiti Malaya.

Events and Highlights

IEEE Malaysia Section Signal Processing Society

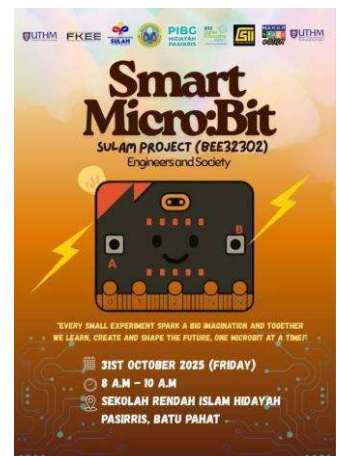


Smart Micro:Bit – SULAM Project

Date: 31 Oct 2025

Time: 08:00 - 10:00

Location: Sekolah
Rendah Islam Hidayah
Pasirris, Batu Pahat,
Johor



Faculty of Electrical & Electronic Engineering (FKEE), Universiti Tun Hussein Onn Malaysia (UTHM) in collaboration with IEEE Signal Processing Society (SPS) Malaysia Chapter, SULAM UTHM, MakerSpace UTHM, Teaching Factory UTHM, and PIBG Hidayah Pasirris conducted a special SULAM Project on Smart Micro:Bit. The program was attended by 40 primary school students from Sekolah Rendah Islam Hidayah Pasirris, 10 UTHM facilitators (BEE32302 students), 4 lecturers from FKEE, UTHM and 5 IEEE student members (active SPS volunteers assisting in workshop facilitation). The objective of the program was to promote STEM education and to introduce Micro:Bit programming to young learners through hands-on experiments, fostering creativity, teamwork, and problem-solving while encouraging engineering students' social responsibility under the SULAM initiative. The following activities were conducted during the program; a brief talk on "Introduction to Micro:Bit and Smart Innovation", hands-on programming using LED and sensors, and a team challenge to build creative Micro:Bit applications.

Events and Highlights

IEEE Malaysia Section Signal Processing Society



International Undergraduate Innovate Competition (IUIIC) 2025

Date: 28 - 30 Oct 2025

Time: 08:00 - 17:00

Location: Universiti Tun Hussein Onn (UTHM), Malaysia

On 30 Oktober 2025, a team from Kolej Kemahiran Tinggi MARA Petaling Jaya (KKTMPJ) won the IEEE Signal Processing Society (SPS) Special Award at the International Undergraduate Innovate Competition (IUIIC) 2025. The event was held at Dewan Sultan Ibrahim, UTHM.

The KKTMPJ team was recognized for their project, the "Automated Retail Weighing Scale System for Fruit Identification and Pricing." The winning team members were: Siti Nur Aisar Nadira binti Saary, Muhammad Faris bin Mohd Sabri, Muhammad Aliff Izham bin Azhar, Ts. Nur Akmal binti Saary and Ir. Nur Aishah binti Zainuddin.

Elevating WIE to New Horizons

IEEE Malaysia Section IEEE Women in Engineering

The IEEE Women in Engineering (WIE) Malaysia Section successfully hosted a special session titled “Afternoon Uplift: WIE in Focus – Elevating WIE to New Horizons” during IEEE TENCON 2025. Conducted in a hybrid format, the session brought together women leaders from across IEEE Region 10 (R10) to share insights, experiences, and strategic perspectives on leadership, innovation, and inclusivity in engineering. This highly anticipated session served as a dynamic platform to highlight the growing influence of women in technology and to strengthen cross-regional collaboration within the IEEE WIE network. The session featured distinguished IEEE Region 10 women leaders, including Prof. Dr. Takako Hashimoto, Prof. Dr. Supavadee Aramvith, Assoc. Prof. Dr. Raja Jamilah Raja Yusof, and Ms. Warunika Hippola, who shared insights on leadership, innovation, and empowering women in engineering. A special highlight was the address by Prof. Dr. Celia Shahnaz, Past IEEE WIE Chair, on humanitarian and inclusive engineering.

AFTERNOON UPLIFT: WIE in Focus

Date:
29 October 2025

Time:
14:00 - 15:30

Location:
Hybrid session Sabah
Convention Centre Kota
Kinabalu



Photo 1 : Physical and online speakers in action



Photo 2 : Moment captured with physical and online audiences

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Join • Collaborate • Empower with IEEE WIE

Please follow as at <https://www.facebook.com/ieeewiemalaysia>

www.ieee.org

Women in Engineering Session at ISAP 2025

IEEE Malaysia Section IEEE Women in Engineering

A collaborative Women in Engineering (WIE) session was successfully held during ISAP 2025 in Fukuoka, Japan, jointly organized by IEEE WIE Sendai Section, Japan, and IEEE WIE Malaysia. The session brought together international academics to celebrate research excellence and advance dialogue on gender innovation in engineering. The program comprised two parts. Highlighting Research Achievements Beyond Gender featured technical contributions by Prof. Fitri Yuli Zulkifli (Indonesia), Assoc. Prof. Maria Garcia Viguera (France), Assoc. Prof. Lei Guo (China), and Assoc. Prof. Kamilia Kamardin (Malaysia). Sharing Ideas on Gender Innovation included invited talks by Prof. Ke Wu (Canada) and Prof. Takana Kaho (Japan), followed by an interactive group discussion. The session strengthened cross-regional collaboration and reaffirmed IEEE's commitment to inclusive and impactful engineering.

Special Session WIE @ ISAP 2025 Fukuoka Japan

Date:
30 October 2025

Time:
09:00 - 12:40

Location:
Acros Fukuoka Japan



Photo 1 : Participants of the **Special** comprising speakers, organizers, and attendees from IEEE WIE Sendai Section, Japan, and IEEE WIE Malaysia



Photo 2 : Moment captured WIE committee

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IEEEMYKL at TENCON 2025

The IEEE Malaysia Kuala Lumpur Subsection is proud to share our participation in TENCON 2025, the flagship technical conference of IEEE Region 10, held in Kota Kinabalu from 27-30 October.

Our Chair, Prof. Norliza Mohd Noor, was a distinguished panelist at a key session: the Joint Panel on Cross-Regional-OU Collaboration in Innovation Technology. She shared actionable insights and frameworks developed through our Subsection's experience, highlighting practical models for multi-institutional partnerships and inclusive engagement. Her discussion highlighted Malaysia's leadership role in fostering collaborations that are not only technologically advanced but also purpose-driven and sustainable.

IEEE Malaysia Section

IEEE Malaysia Kuala Lumpur Subsection

Professional Talk

Date:
29 October 2025

Time:
14:30 - 15:45

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

This participation created significant impact on two fronts. Externally, it positioned our Subsection and Malaysia as thought leaders in operationalizing cross-border innovation within the vast Asia-Pacific region. Internally, it reinforces our commitment to our core mission. By contributing to these global IEEE dialogues, we actively advance the ecosystem for collaborative engineering and help steer the global conversation toward technology development that serves humanity.

The IEEE Malaysia Kuala Lumpur Subsection remains dedicated to being an active bridge for knowledge and partnership, championing innovation that creates lasting, positive impact.



**IEEE Region 10 C&E & COMSOC WICE
JOINT Panel on Cross-Regional-OU
Collaboration in Innovation Technology**
2025 IEEE Region 10 Technical Conference (TENCON)
October 29th, 2025 // 02:30 PM - 03:45 PM
Sabah International Convention Centre, Kota Kinabalu, Sabah, MALAYSIA

 PROF. ROZITA JAILANI PANELIST PROFESSOR UNIVERSITI TEKNOLOGI MARA MALAYSIA	 PROF. SAI PRASHANTH PANELIST PROFESSOR SYMBIOSIS INTERNATIONAL UNIVERSITY INDIA	 DR. HLA NU PHYU PANELIST PRINCIPAL SCIENTIST INSTITUTE OF HIGH PERFORMANCE COMPUTING, AYSTAR	 PROF. NORLIZA MOHD NOOR PANELIST PROFESSOR RAZAK FACULTY OF TECHNOLOGY AND INFORMATICS UNIVERSITI TEKNOLOGI MALAYSIA
 DR. PAULINA CHAN MODERATOR & CO-ORGANISER IEEE COLLABORATION & ENGAGEMENT CHAIR CHIEF WICE CHAIR COMSOC WICE CHAIR COMSOC WICE CHAIR	 PROF. HUYNH THI THANH BINH CO-ORGANISER R10 COLLABORATION & ENGAGEMENT CHAIR VICE DEAN OF SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY		

ComSoc WICE
EXPANDING Collaboration & Engagement at IEEE
TENCON 2025 KOTA KINABALU, MALAYSIA
IEEE Region 10

ICT4M 2025: Amplifying Innovation Through Collaboration

IEEE Malaysia Section

IEEE Malaysia Kuala Lumpur Subsection

Conference

The International Conference on Information and Communication Technology for the Muslim World (ICT4M 2025), held on 26–27 November 2025 at IIUM's Kulliyyah of Information and Communication Technology (KICT), served as a driver for interdisciplinary exchange. The conference gathered academics, technologists and industry leaders to explore ICT innovations that address challenges and opportunities across the Muslim world, with themes spanning ethical AI, digital inclusion and sustainable development.

As a proud co-organizer, the IEEE Malaysia Kuala Lumpur Subsection (IEEEMYKL) heightened the conference's reach and relevance, reinforcing its commitment to advancing values-driven technology through academic-industry collaboration. Assoc. Prof. Ts. Dr. Mohd Ibrahim Shapiai, Deputy Chair of IEEE Malaysia KL Subsection, represented the Subsection during the opening ceremony. His presence underscored IEEE's role in fostering regional dialogue and bridging research with societal needs.

Dr. Haslina Md Sarkan, exco member of IEEEMYKL, delivered a keynote speech titled "Managing Innovation with Purpose." Her talk emphasized that emerging technologies require purpose. Rooted in the Islamic principle of Khalifah (stewardship), a purpose-driven approach to project management aligns technical execution with ethical goals such as Maqasid al-Shari'ah and the UN SDGs, embedding lasting impact into every stage of innovation.

Date:

26 November 2025

Time:

9:00 – 13:00

Location:

Kulliyyah of Information and Communication Technology (KICT),

International Islamic

University Malaysia (IIUM)

By co-organizing ICT4M 2025 and contributing thought leadership, IEEEMYKL demonstrated its key role in shaping ICT innovation that is both impactful and inclusive.



IEEE Malaysia Kuala Lumpur Subsection Showcases Cross-Regional Collaboration at RASP 2025

IEEE Malaysia Section

IEEE Malaysia Kuala Lumpur Subsection

Technical Talk

Date:
28 November 2025

Time:
12:00 - 13:00

Location:
Online



28 November 2025 - The Recent Advances in Signal Processing (RASP 2025) program, hosted by the IEEE Hyderabad Section in collaboration with the IEEE BVRIT Hyderabad Student Branch brought together academics, professionals and students to explore emerging developments in signal processing, with a strong emphasis on innovation and cross-regional collaboration.

The IEEE Malaysia Kuala Lumpur Subsection was represented by Prof. Norliza Mohd Noor, Chair of the Subsection. She delivered an insightful online technical talk titled: "Cross Regional Operation Unit (CROU): Collaboration in Innovation Technology." Prof. Norliza's presentation introduced frameworks for enabling collaborative innovation across regions. She emphasized on knowledge sharing as the foundation of innovation, operational structures that support sustained collaboration and partnerships within IEEE and beyond to strengthen global cooperation. Her talk sparked active engagement from both IEEE members and non-members, who contributed to discussions on how CROU can serve as a model for fostering innovation across diverse technical communities.

Prof. Norliza's contribution at RASP 2025 reinforced the Subsection's commitment to building bridges across regions. By sharing insights on CROU, she showcased Malaysia's role in shaping collaborative innovation strategies and highlighted the potential for future joint initiatives between IEEE sections and student branches worldwide.

The Great Innovation Challenge: Engineering a Sustainable Future

IEEE Malaysia Section

IEEE Malaysia Kuala Lumpur Subsection

Innovation Challenge

The Great Innovation Challenge (GIC) 2025 is a two-year incubator for Malaysia's next generation of sustainability-focused engineers. It stands out as a meticulously structured, high-impact initiative that is more than just a competition and is jointly spearheaded by Great Eastern Takaful, Universiti Teknologi Malaysia's Centre for AI & Robotics (CAIRO) and the IEEE Malaysia Kuala Lumpur Subsection. The program tackles the urgent issue of plastic waste head-on with the theme, "Reengineering Plastic for Profit."

The challenge operates on a two-phase timeline designed to transform ideas into tangible solutions. The first year (September–November 2025) served as the conception stage. During this round, 32 registered teams from 10 institutions nationwide developed digital prototypes and design concepts for enhancing a small-scale plastic recycling machine. This initial phase was concluded in a vibrant Closing & Award Ceremony at Menara Great Eastern, on 29th November 2025, where three top teams were recognized.

Date:

29 November 2025

Time:

11:00 – 16:00

Location:

Menara Great Eastern



Five selected teams, will go to the second stage and build the physical, working machines that integrate automation and AI. The expected impact of this challenge is to directly advance plastic upcycling technology by creating smarter, portable systems to process common HDPE and PP plastics into higher-value products. More significantly, it functions as a powerful talent pipeline for the nation.

Arduino & IoT Workshop: Building Hands-On Innovation at UTM KL

IEEE Malaysia Section

IEEE Malaysia Kuala Lumpur Subsection

Student Activity

16 December 2025 - IEEE UTM Kuala Lumpur Student Branch (IEEE UTM KL SB) in collaboration with the IEEE Kuala Lumpur Subsection (IEEE KL) and the Electronic Systems Engineering (ELECSYS) programme successfully conducted the Arduino and IoT Workshop, with strong support from the Center for Artificial Intelligence & Robotics (CAIRO), UTM.

Three IEEE student members served as trainers and coordinators, guiding 20 undergraduate participants from Universiti Teknologi Malaysia Kuala Lumpur (UTM KL) through an immersive, project-based learning experience. The workshop introduced participants to the fundamentals of electronics, microcontrollers, and Internet of Things (IoT) systems, with hands-on exposure to basic electronic components, sensor interfacing and microcontroller programming using Arduino and ESP32 platforms.

By the end of the workshop, participants had gained end-to-end IoT experience (data acquisition and embedded hosting to real-time visualization and basic automation). This strong foundation equips them for future projects in IoT and smart systems, reinforcing IEEE's mission to empower students with skills that drive innovation and societal impact.

Date:

16 December 2025

Time:

14:00 – 18:00

Location:

Center for Artificial Intelligence & Robotics (CAIRO),
UTMKL



Inspiring the Next Generation: Science & Technology for a Sustainable Future at SK Kompleks KLIA

IEEE Malaysia Section



On 25th July 2025, a successful collaboration between IEEE Young Professionals (YP) Malaysia, the ICT Unit of SK KOMPLEKS KLIA, and the Panitia RBT SK Kompleks KLIA brought the event SCIENCE & TECHNOLOGY FOR A SUSTAINABLE FUTURE to life. Tailored for Year 6 students, the program featured three inspiring guest speakers and special sessions aimed at igniting curiosity about science and technology.

Dr. Norul Hajar Nordin kicked off the event with her talk, "Misi Hero Makanan: Selamatkan Makanan, Selamatkan Bumi," highlighting the importance of food sustainability and ways to reduce food waste for a healthier planet. Following that, Aznilinda Zainuddin took the students on an exciting journey, sharing her experience from building RC cars in RBT class to exploring real-world engineering concepts in "Dari Kereta Mainan ke Jurutera Muda." The engaging Q&A session rewarded active participants with thoughtful gifts, including DIY solar cars and stationery. A big thank you to SK KOMPLEKS KLIA for making this event a success!

STEM Talk : Science & Technology for a Sustainable Future

Date & Time:
25 July 2025
7:30 am - 10:00 am

Location:
SK Kompleks KLIA

Prepared by:
Aznilinda Zainuddin
Faculty of Electrical Engineering,
Universiti Teknologi MARA, Caw.
Johor, Pasir Gudang
aznilinda@uitm.edu.my



SAINS & TEKNOLOGI UNTUK MASA DEPAN LESTARI

Moderator
PN. NAJWA ELIA
MOHAMAD FAUZI
PHD STUDENT IN TESL
UKM

Penceramah 1
TS. AZNILINDA ZAINUDDIN
PHD STUDENT IN
ELECTRICAL
ENGINEERING
UTM

Penceramah 2
DR. HAJAR NORDIN
PHD IN
ENVIRONMENTAL
SCIENCE
UTM

Penceramah 3
DR. HANIS HIDAYU
PHD STUDENT IN
PAEDIATRICS
UNIVERSITY OF
CAMBRIDGE

**TERBUKA KEPADA SEMUA PELAJAR TAHUN 6
SK KOMPLEKS KLIA**

3 SESI ISTIMEWA

1. DARI KERETA MAINAN KE DUNIA SEBENAR
2. MISI HERO MAKANAN
3. INSPIRASI DARI CAMBRIDGE

3 PENCERAMAH LUAR BIASA

25 Julai 2025 | Balai Sri Perdana
SK KOMPLEKS KLIA | **JUMAAT**
07.30 AM - 10.00 AM



Global and Local Perspectives on Young Professionals

IEEE Malaysia Section



IEEE YP Malaysia Meet-Up: Inspiring Global Connections through “Connect with Budding YP”

Date & Time:
23 August 2025
3:50 PM - 5:10 PM

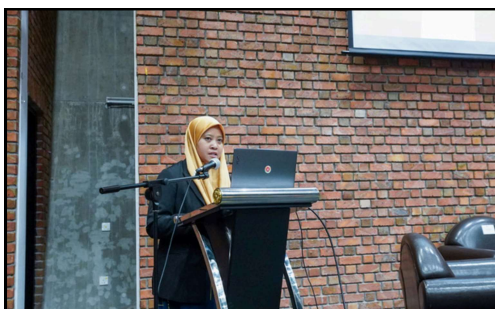
Location:
UKM, Bangi

Prepared by:
Nur Atharah Kamarzaman
Faculty of Electrical Engineering,
Universiti Teknologi MARA, Shah Alam
atharah8155@uitm.edu.my

IEEE Young Professionals (YP) Malaysia successfully hosted the Professional Enhancement Connect with Budding YP event, which uniting graduate students, young engineers, and early-career professionals for an inspiring evening of learning and connection.

The session featured insights from Mr. Arun M (IEEE Region 10 YP) and Ts. Dr. Noor Ropidah Bujal, who shared regional and local perspectives on empowering young professionals through leadership, networking, and continuous learning. Mr. Ashvanth B also inspired participants with Tracing the Path: From Graduate Student Member to Young Professional, emphasizing growth and opportunity within IEEE. The event opened with Prof. Ir. Dr. Ramalatha Marimuthu and Ir. Dr. Bernard Lim, highlighting the importance of building a globally connected community of innovators.

Through engaging discussions, participants discovered how IEEE YP bridges academia and industry in fostering leadership, collaboration, and future-ready skills. IEEE YP Malaysia thanks all speakers and participants for making the event a success.



Building Career-Focused Skills and Leadership Pathways

IEEE Malaysia Section



IEEE Young Professionals (YP) Malaysia hosted an engaging Professional Enhancement Connect with Budding YP session focused on career development, leadership growth, and professional transitions.

A key highlight was the panel discussion, Beyond Grades: Building a Career-Focused Skill Set with IEEE, moderated by Ts. Dr. Irma Syarlina Che Ilias. Panelists Prof. Ir. Dr. Bozena Pasik Duncan, Mr. Abdul Halik, Dr. Haroon Rashid, and Ms. Nur Atharah Kamarzaman shared valuable insights on cultivating relevant skills, global perspectives, and leveraging IEEE for career advancement. Ir. Dr. Bernard Lim delivered an inspiring talk, Pathways to Impactful Leadership, while a fireside chat with Ms. Indhumathi G and Mr. Sreekanth R highlighted resilience, mentorship, and continuous learning in navigating career transitions.

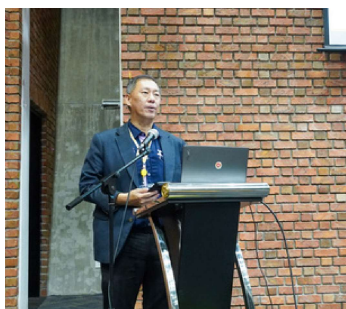
IEEE YP Malaysia thanks all speakers, panelists, and participants for their enthusiastic involvement and extends appreciation to the IEEE Foundation, IEEE Malaysia Section, and IEEE Young Professionals for their continued support.

IEEE YP Malaysia Meet-Up: Empowering Career Growth through "Connect with Budding YP"

Date & Time:
23 August 2025
5:10 PM - 6.25 PM

Location:
UKM, Bangi

Prepared by:
Nur Atharah Kamarzaman
Faculty of Electrical Engineering,
Universiti Teknologi MARA, Shah Alam
atharah8155@uitm.edu.my



IEEE YP MY at IEEE Malaysia's Chapter Chairs Meeting, Celebrating IEEE Day & IEEE Malaysia 40th Anniversary

IEEE Young Professionals Malaysia participated in the IEEE Malaysia Chapter Chairs Meeting, held in conjunction with the celebration of IEEE Day and the 40th Anniversary of IEEE Malaysia. The event highlighted the continuous commitment to leadership, collaboration, and talent development within the IEEE community.

A key moment of the session was the presentation of the FYP Award for the Young Professionals Track, presented by Dr. Ropidah Bujal, recognising outstanding student contributions and excellence among emerging professionals.

IEEE Malaysia Section

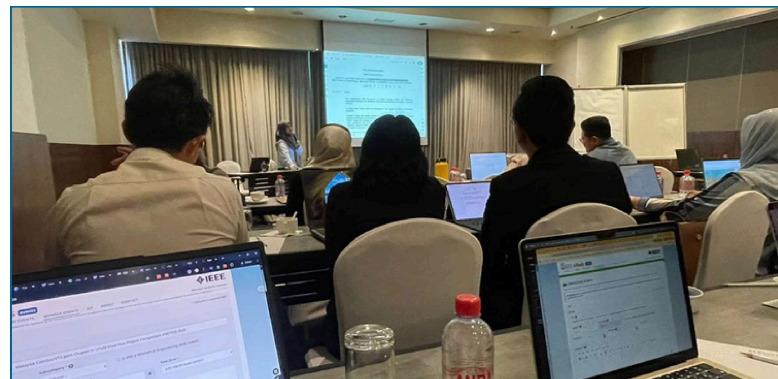


IEEE YP MY at IEEE Malaysia's Chapter Chairs Meeting, Celebrating IEEE Day & IEEE Malaysia 40th Anniversary

Date & Time:
4 October 2025

Location:
Berjaya Time Square Hotel,
Kuala Lumpur

Prepared by:
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Universiti Teknologi MARA, Caw. Johor,
Pasir Gudang Campus
aznilinda@uitm.edu.my



IEEE Malaysia Section



A SHARING SESSION - PERKONGSIAN ILMU SERANTAU SIRI 2

Perkongsian Ilmu Serantau Siri 2 was successfully held on 8 October 2025 at the Lecture Hall, Department of Electrical Engineering, Politeknik Ungku Omar, in conjunction with IEEE Day 2025 Lecture Series. This regional knowledge-sharing programme brought together experts from Universitas Dian Nusantara, Indonesia, fostering cross-border academic and professional collaboration. The session featured Dr. Arie Pangesti Aji, who presented on Applications of Electromagnetic Field and Waves in Modern Technology, and Desi Ramayanti, S.Kom., M.T., who shared best practices on AI and Google Workspace implementation in education. The programme aimed to empower future engineers through exposure to emerging technologies and global innovation trends. To widen its reach, the event was also streamed live via IEEE YP MY YouTube Live.

A SHARING SESSION - PERKONGSIAN ILMU SERANTAU SIRI 2

Date & Time:
8 October 2025

Location:
Dewan Kuliah,
Jabatan Kejuruteraan Elektrik,
Politeknik Ungku Omar



Kickstart with LinkedIn for Undergrad Students Career Readiness

The LinkedIn Online Session held on 21 October 2025 (Tuesday) from 8:30 a.m. to 2:00 p.m. via Google Meet was an engaging and informative program jointly organized by Universiti Teknologi MARA (UiTM), IEEE Young Professionals Malaysia, and Momentum. The session featured Ts. Aznilinda Zainuddin as the invited panelist and Puan Nur Izzati, a counselor from UiTM Cawangan Negeri Sembilan, as the co-panelist.

The discussion focused on the importance of building a strong professional identity through LinkedIn, covering topics such as creating an impactful profile, networking strategies, and leveraging LinkedIn for career development and job opportunities. Participants were guided step-by-step on how to optimize their profiles, connect with professionals, and showcase their achievements effectively.

The session received active participation from final-year students and young professionals, motivating many to register and begin using LinkedIn as a vital platform for career growth and professional engagement.

IEEE Malaysia Section



Kickstart with LinkedIn for Undergrad Students Career Readiness

Date & Time:

21 October 2025
8:30 am - 2:00 pm

Location:

Google Meet

Prepared by:

Aznilinda Zainuddin
Faculty of Electrical Engineering,
Universiti Teknologi MARA,
Caw. Johor, Pasir Gudang
aznilinda@uitm.edu.my



IEEE Malaysia Section

IEEE YOUNG PROFESSIONALS (YP) MALAYSIA AT TENCON 2025



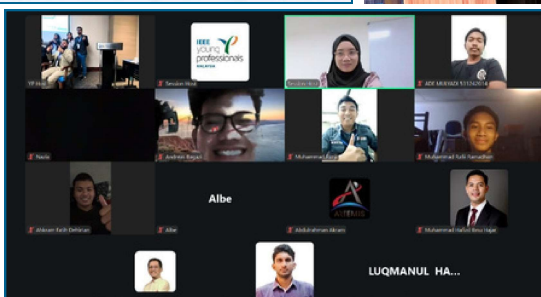
IEEE Young Professionals Malaysia proudly engaged participants at TENCON 2025 through an interactive session focused on leadership, career development, and global collaboration. The session fostered meaningful networking, shared YP initiatives, and strengthened connections among young engineers, researchers, and professionals, reinforcing IEEE's mission of empowering future technology leaders.



IEEE Malaysia Section



Prepared by:
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UiTM Shah Alam
atharah811@uitm.edu.my



3rd IEEE Young Professionals Malaysia – Future Leaders Summit: Innovate, Adapt & Thrive in the Digital

The 3rd IEEE Young Professionals Future Leaders Summit 2025, themed “Innovate, Adapt & Thrive in the Digital Era”, was held on 22 November 2025 at UniKL MIIT, Kuala Lumpur, in a hybrid format. Organized by IEEE Young Professionals Malaysia with UniKL MIIT and IEEE Malaysia Section, it attracted 137 participants from academia, industry, and student communities.

The program featured three technical sessions by experts from UiTM, ExxonMobil Malaysia, and UTHM, covering research-to-industry success, commercialization, and career well-being. Interactive activities such as the YP Connect Quiz and networking opportunities enhanced engagement.

Supported by USD 500 funding for meals and refreshments, the summit advanced leadership development, knowledge sharing, and collaboration, aligning with Malaysia’s vision for an innovation-driven workforce.

IEEE Malaysia Section



3rd IEEE Young Professionals Malaysia – Future Leaders Summit

Date & Time:
22nd November 2025
1.15pm to 5.30pm

Location:
Level 2, Bestari Hall
UniKL MIIT, Kuala Lumpur, Malaysia

Prepared by:
Ts. Dr Irma Syarlina Che Ilias
UniKL MIIT
irmasyarlina@unikl.edu.my



CONGRATULATIONS TO YP FUNDING RECEPIENTS!

IEEE Malaysia Section



Congratulations!
**TS. DR. IRMA SYARLINA
CHE ILIAS**
who has been awarded the Local Activity Funding
in the amount of USD 500
by the
IEEE Young Professionals & the IEEE Foundation
for the event

Future Leaders Summit - Innovate, Adapt
& Thrive in the Digital Era
22 November 2025



Congratulations!
NUR ATHARAH KAMARZAMAN
who has been awarded the Meet-Up Funding
in the amount of USD 1,000
by the
IEEE Young Professionals & the IEEE Foundation
for the event

IEEE YP Malaysia - Professional Enhancement
Connect with Budding YP
23 August 2025



Empowering the Next Generation at KEM Project Ideation Experience (PIE) 2025

IEEE Malaysia Section



IEEE Malaysia ComSoc/VTS Joint Chapter proudly collaborated with the Faculty of Electrical Engineering (FKE), Universiti Teknologi Malaysia (UTM) for the KEM Project Ideation Experience (PIE) 2025. Held on 29–30 July 2025 at UTM Johor Bahru, the event gathered 100 students from 25 Johor schools. Participants explored key STEM fields, including CDIO (Conceive–Design–Implement–Operate), IoT, hardware development, and mobile app creation.

Guided by FKE UTM lecturers and supported by PPD Pontian and JPN Johor, the program fostered creativity, teamwork, and real-world problem-solving skills. The event was a successful initiative in empowering secondary school students, providing them with hands-on exposure to engineering, technology, and innovation.

KEM Project Ideation Experience (PIE) 2025

Date:
29-30 July 2025

Location:
Fakulti Kejuruteraan Elektrik (FKE), Universiti Teknologi Malaysia (UTM)



Exploring the Future of Wireless Communication: Insights from the IEEE Distinguished Lecture on OAM Radio

IEEE Malaysia Section



**OAM RADIO:
A NEW PARADIGM IN
WIRELESS COMMUNICATION**

Join us for an exclusive Distinguished
Lecture by an IEEE Distinguished Speaker

**WITH :
PROF. YONG LIANG GUAN**
SPEAKER

27 August, 2025
2.00 pm - 4:30 pm

HYBRID MODE

Physical:
Robospace Lab, 1st Floor,
Faculty of Engineering
Technology (FET),
MMU, Melaka

Online:
via MS Teams

IEEE Distinguished Lecture - OAM Radio: A New Paradigm in Wireless Communication

Date:
27 August 2025

Location:
Hybrid Mode:
Physical at Robospace Lab MMU
and online via MSTEams

The IEEE Distinguished Lecture on "OAM Radio: A New Paradigm in Wireless Communication" held on 27 August 2025, attracted a diverse audience eager to delve into the future of wireless systems. Prof. Yong Liang Guan, a leading expert in wireless communication, presented an insightful session that explored the transformative potential of Orbital Angular Momentum (OAM) Radio. This innovative technology promises to revolutionize high-capacity wireless systems, paving the way for next-generation communication networks.

The hybrid event, hosted at the Robospace Lab in Multimedia University (MMU), Melaka, offered both in-person and online participation, ensuring wide accessibility. Participants engaged in a detailed discussion on OAM Radio's impact on wireless technology, highlighting its applications in enhancing communication efficiency and expanding network capabilities. The interactive session provided an excellent platform for knowledge exchange, fostering discussions on the future of wireless communications. The event's success was evident from the enthusiastic participation, marking a significant step in advancing wireless technology research.

2025 IEEE 17th Malaysia International Conference on Communications (MICC)

IEEE Malaysia Section



The 2025 IEEE Malaysia International Conference on Communications (MICC 2025) opened with the theme “Empowering Intelligent Connectivity.” The event began with a doa recitation and welcoming speeches by Dr. Imran and Dr. Mohd Fais Mansor, followed by the official launch by Dr. Bruce Leow Chee Yen. Keynote sessions featured distinguished speakers: Prof. Dr. Yong Liang Guan (Nanyang Technological University), Prof. Dr. Zahriladha Zakaria (UTeM), and Assoc. Prof. Dr. Farman Ali (Qurtuba University). They shared insights on the future of communications. The morning also included a forum on bridging the gap between research and industry, moderated by Prof. Ir. Dr. Mohamad Huzaimy Jusoh. Three Best Paper Awards were presented, recognizing outstanding contributions. The conference continues with technical presentations and networking opportunities, fostering collaboration in communications.

2025 IEEE 17th Malaysia International Conference on Communications (MICC)

Date:
27–28 August 2025

Location:
Grand Swiss-Belhotel, Melaka, Malaysia



Multimedia University Engineering Conference 2025 (MECON 2025)

IEEE Malaysia Section



The Multimedia University Engineering Conference 2025 (MECON 2025) is successfully held on 21 - 23 July 2025 at Multimedia University, Cyberjaya, Selangor, Malaysia. According to the General Chair, Prof. Mardeni, the conference aims to bring together related research scholars, educators, practitioners, policy makers, enthusiasts, fellow students, and industries to share and exchange their research experiences and results on all aspects of engineering technologies from various perspectives, disciplines, and fields. MECON 2025 carries the theme 'Embracing the future of Smart World Through Engineering, AI and Technology'.

In the conference, Assoc. Prof. Dr. Chee Yen (Bruce) Leow, the IEEE Comsoc VTS chair, was invited as keynote speaker. During the opening of the conference, Prof. Mardeni started with his opening address to an audience representing more than 7 countries, Prof. Mardeni shared groundbreaking insights and showcasing MMU and IEEE in wireless technology research. Also representing MMU were members of the conference chair, Khairil Anuar. The committee efforts contributed to the conference's success in promoting cutting-edge research and fostering global collaborations. The MECON25 has significantly enhanced research in applied science, engineering, and technology, exposing scientists and researchers to the latest developments and advancements.

Multimedia University Engineering Conference 2025 (MECON 2025)

Date:
21-23 July 2025

Location:
Multimedia University,
Cyberjaya, Selangor, Malaysia.

Prepared by:
Prof. Mardeni Roslee
mardeni.roslee@mmu.edu.my
Khairil Anuar
khairil@mmu.edu.my



Elevating Research Visibility : SCOPUS & WOS Strategies for Academics

IEEE Malaysia Section



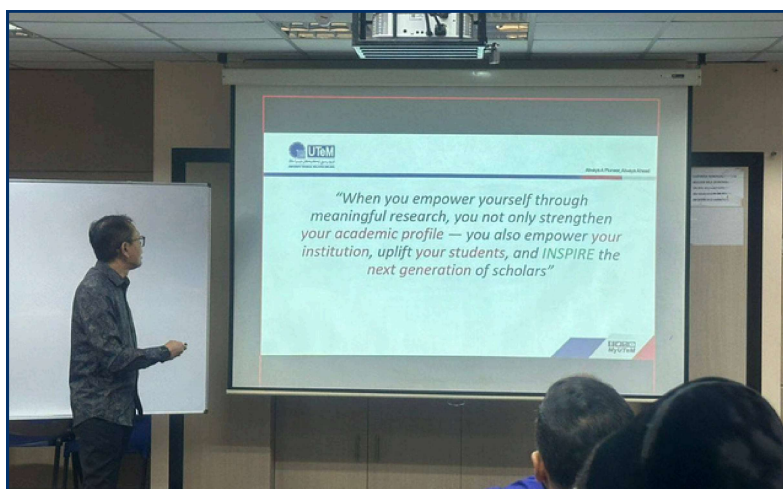
The event featured Prof. Dr. Zahriladha Zakaria, Deputy Vice Chancellor of Research & Innovation at UTeM. Organized by the IEEE Malaysia ComSoc & VTS Joint Chapter, IEEE NANO & Sensors Council, and the Microwave Research Group (MRG), the session focused on strategies to enhance research visibility on global platforms like SCOPUS and Web of Science. Prof. Dr. Zakaria shared actionable tips on increasing citations, improving academic profiles, and boosting research impact.

SCOPUS & WOS Strategies for Academics

Date:
Thursday, 14 August 2025
2:30 – 4:30 PM

Location:
BK-12, FTKEK, UTeM

Participants gained practical tips on enhancing their online presence and visibility within the global research community. The session also provided a platform for networking with fellow researchers and experts. The hybrid format enabled both on-site and online participants to engage, making the event accessible to a wider audience.



IOT MEETS SPACE: EXPANDING STEM HORIZONS FOR UNDERSERVED STUDENTS AT SELANGOR THROUGH SATELLITE PROTOTYPING

IEEE Malaysia Section



The event "IoT Meets Space: Expanding STEM Horizons for Underserved Students at Selangor Through Satellite Prototyping" was hosted by Faculty of Electrical Engineering, Universiti Teknologi MARA (UiTM) and partially funded by IEEE ComSoc under the TryEngineering STEM Grant Program to facilitate local Pre-University STEM activities. The program engaged 50 students aged 15-16 years at SMK Bandar Baru Salak Tinggi (12-13 August 2025) and SMK Seri Sepang (9-10 August 2025). Participants were provided with 14 Arduino sets and modules to develop satellite prototypes and establish connections through LoRa for IoT applications. The students showcased their projects through CanSat development, demonstrating their understanding of satellite applications. This hands-on event successfully introduced underserved students to space technology and IoT, sparking their interest in STEM fields and fostering practical skills. The program highlighted the impact of IEEE ComSoc's efforts in supporting STEM education for the next generation of innovators.

IOT MEETS SPACE @ Schools

Date:
12 - 13 Ogos 2025
& 9-10 Ogos 2025

Location:
SMK Bandar Baru Salak Tinggi
& SMK Seri Sepang



PIE 2025: Celebrating Innovation and Excellence in STEM - The Grand Finale

IEEE Malaysia Section



The IEEE MyComVT is honored to have played a key role in supporting the Project Ideation Experience (PIE 2025) event, organized by Universiti Teknologi Malaysia (UTM) in collaboration with other key partners. The event began with a welcome speech by the Deputy Vice Chancellor (Strategy & Global Reputation) of UTM, YBrs. Prof. Madya Dr. Abdul Rashid Husain, followed by the official closing speech by the Member of Parliament for Pontian and Deputy Minister of Works, YBhg. Datuk Seri Haji Ahmad Haji Maslan. This event marked the closing ceremony of PIE 2025, which included the announcement of the winners.

The dynamic initiative aimed to ignite creativity and foster innovation within the STEM community, offering participants a platform to explore new ideas and solutions. PIE 2025 brought together brilliant minds to push the boundaries of technology and engineering. The IEEE MyComVT looks forward to continued partnerships that will drive further innovation and advancement in STEM.

PIE 2025 - The Grand Finale

Date:

Saturday, 27 September 2025

8:00 - 5:00 PM

Location:

Blok P19, FKE, UTM JB



IEEE MyComVT at IEEE Malaysia Section 40th Anniversary & IEEE Day 2025

IEEE Malaysia Section



On October 4, 2025, IEEE MyComVT attended and participated in the IEEE Malaysia Section 40th Anniversary & IEEE Day 2025 at the Berjaya Times Square Hotel, Kuala Lumpur!

Event Highlights:

- Keynote on "Empowering Chapters for Collective Impact"
- Workshops on Event & Officer Reporting and Finance Management
- Best Practices Panel featuring successful initiatives from our chapters presented by Dr. Bruce.

During the banquet lunch and IEEE Day celebration, our representative, Dr. Fais won the first prize and Dr. Nur Ashikin won for top 10. Congrats!!!
Let's continue to grow and inspire together, making a positive impact in our professional communities.

IEEE MyComVT at IEEE Malaysia Section 40th Anniversary & IEEE Day 2025

Date:
4 October 2025

Location:
Berjaya Times Square Hotel,
Kuala Lumpur



IEEE Malaysia Communications & Vehicular Technology Joint Chapter ExCom Meeting

IEEE Malaysia Section



The IEEE Malaysia Communications & Vehicular Technology Joint Chapter ExCom meeting held on 4th October at Melia Hotel from 8:00 PM to 10:30 PM proved to be a highly productive session.

The meeting featured several key discussions that focused on the progress and future plans of various initiatives. Updates on the flagship conference were presented, highlighting significant developments and next steps. Additionally, plans for the upcoming 6G Summit 2025 were discussed. Preparations for ISTT 2026 were also reviewed, marking another exciting event on the horizon. In addition to these discussions, we also reviewed past activities, upcoming events, and important matters. Exciting times ahead!

The IEEE MyComVT ExCom Meeting

Date:
4 October 2025

Location:
Melia Hotel, Kuala Lumpur



IEEE Malaysia Section



2025 R10 Educational Activities Outstanding Group Award!

A huge congratulations to the IEEE Malaysia Communications & Vehicular Technology Joint Chapter (ComSoc/VTS) for winning the 2025 R10 Educational Activities Outstanding Group Award!

This achievement highlights the tireless efforts and dedication of the team in fostering educational activities and advancing knowledge in the field of communications and vehicular technology. We are incredibly proud of this accomplishment and look forward to continuing our mission to inspire and educate in the ever-evolving tech landscape.



The first MY 6G SUMMIT Ideas that Shape the Next G

IEEE Malaysia Section



The inaugural MY 6G Summit marked a major milestone in Malaysia's journey toward next-generation connectivity. Bringing together leaders from academia, industry, startups, and government, the summit fostered impactful discussions on the future of 6G. Keynotes and panel sessions explored AI-native networks, satellite integration, sustainability, intelligent surfaces, and quantum-safe communications, offering valuable insights into global 6G development. Beyond technology, the event emphasized ecosystem building, talent development, and cross-sector collaboration. As Malaysia's first 6G-focused platform, the summit sparked new partnerships and a shared vision for inclusive, sustainable digital transformation, positioning Malaysia at the forefront of the evolving global connectivity landscape.

The first MY 6G SUMMIT Ideas that Shape the Next G

Date:

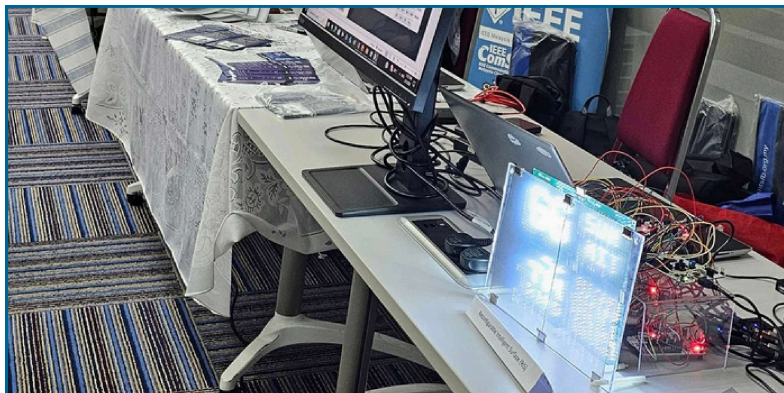
3rd Dec 2025

9:00 am - 5:00 pm

Location:

Jupiter Room, TMRND,
Cyberjaya

Visit our website and the event pictures at <https://my6gsummit2025.mycomvt.info/>



MyComVT @ TENCON 2025

The IEEE Malaysia Communications Society & Vehicular Technology Society (MyComVT) proudly participated as one of the exhibitors at TENCON 2025, showcasing the chapter's initiatives, programs, and membership opportunities.

Representing MyComVT were Khairil Bin Anuar, Dr. Leow Chee Yen (Bruce), and Prof. Mohamad Yusoff Alias. The MyComVT booth, managed by Khairil Bin Anuar, attracted enthusiastic participants eager to learn more about IEEE activities and networking opportunities. As a token of appreciation, registered members received a complimentary MyComVT cap, which became a popular highlight during the event. The booth served as an excellent platform to foster professional connections, promote IEEE membership benefits, and encourage collaboration in communications and vehicular technology research. The team's strong presence reflected MyComVT's continued commitment to advancing innovation and professional engagement within the IEEE community across Malaysia and the Asia-Pacific region.

IEEE Malaysia Section



myComVT @ TENCON 2025

Date:
27-30 October 2025

Location:
Kota Kinabalu, Sabah,
Malaysia





2026 8TH IEEE INTERNATIONAL SYMPOSIUM ON TELECOMMUNICATION TECHNOLOGIES

"Exploring Future Frontiers
in Telecommunication & Vehicular
Technologies"

14 - 15 OCTOBER 2026 | KUALA LUMPUR, MALAYSIA

CALL FOR PAPERS

IEEE Malaysia Communication Society and Vehicular Technology Society Joint Chapter (MyComVT) is proud to announce our flagship biennial conference, the 8th IEEE International Symposium on Telecommunication Technologies (ISTT2026) that will be held in Kuala Lumpur, Malaysia on 14-15 October 2026. ISTT2026 is the platform for international and local delegates to present their latest research findings in the area of telecommunications and vehicular technologies.

SCOPES & TOPICS

- 6G and Emerging Technologies
- Antenna Systems, Propagation, and RF Design
- Backhaul & Fronthaul: Communications & Networking
- Cloud/Edge Computing, Networking, & Data Storage
- Cognitive Radio & AI-Enabled Networks
- Machine Learning for Communications
- Electric Vehicles, Vehicular Electronics, & Intelligent Transportation
- Transmission Technologies and Communication Theory
- Communication Software & Multimedia
- Protocols, Security and Services for Wireless Networks
- E-Health
- Green Communication Systems & Networks
- Integrated Sensing & Communication
- IoV, IoT, M2M, Sensor Networks, and Ad-Hoc Networking
- Molecular, Biological & Multi-Scale Communications
- Next-Generation Networking & Internet
- Optical Transmissions and Networks
- Quantum Communications & Computing
- Reconfigurable Intelligent Surfaces
- Satellite Networks, Positioning Technologies, Localization and Navigation
- Signal Processing for Communications
- Smart Grid Communications
- Terahertz Communications
- Visible Light Communications
- Vehicular Communications, Unmanned Vehicle Communications, Vehicular Networks and Telematics

Conference Website

<https://istt2026.mycomvt.info>

Important Dates

- Full paper submission
01 Jun 2026
- Acceptance Notification
01 Aug 2026
- Author Registration &
Camera-Ready Submission
30 Aug 2026
- Conference Date
14-15 Oct 2026

Submission

All submissions can be made through EDAS.

- Student grants are available for IEEE ComSoc/VTS student members from Malaysia and ASEAN institutions*
- Best paper award, best presenter award and more to be won.
- Proceeding will be published and indexed by IEEE Xplore, Scopus and Web of Science.

*Terms and conditions applied



<https://istt2026.mycomvt.info>

Conference Secretariat: ISTT2026 Secretariat, Faculty of Computing & Informatics, Multimedia University, 63100 Cyberjaya Selangor, Malaysia. Contact us at info@istt2026.mycomvt.info

CELEBRATING 20 YEARS OF MYCOMVT (2006 – 2026)



Connecting Malaysians Through Tech
20 Years and Beyond!



CELEBRATING 20 YEARS OF MYCOMVT (2006 – 2026)

Since its establishment in 2006, the IEEE Malaysia Communications Society and Vehicular Technology Society Joint Chapter (MyComVT) has stood at the forefront of Malaysia's telecommunications and vehicular innovation landscape.

Over the past two decades, MyComVT has connected engineers, researchers, and industry leaders through impactful programs, conferences, and professional development activities, fostering collaboration, advancing knowledge, and nurturing future innovators.



Connecting Malaysians Through Tech

20 Years and Beyond!

From hosting and supporting world-class IEEE conferences such as:

- IEEE Global Communications Conference (GLOBECOM 2023, Kuala Lumpur)
- IEEE International Conference on Communications (ICC 2016, Kuala Lumpur)
- IEEE Vehicular Technology Conference (VTC 2019 Spring, Kuala Lumpur)
- IEEE Wireless Communications and Networking Conference (WCNC 2026, Kuala Lumpur)
- Asia-Pacific Conference on Communications (APCC 2003 – Penang, 2011 – Kota Kinabalu, 2021 – Kuala Lumpur)
- Malaysia International Conference on Communications (MICC, biennially since 1993, most recently 2023 – Kuala Lumpur and 2025 – Melaka)
- International Symposium on Telecommunication Technologies (ISTT 2014, 2018, 2022 – Johor Bahru, 2024 – Langkawi, 2026)

...to organizing technical workshops, industrial forums, and nationwide outreach initiatives, MyComVT has continuously strengthened Malaysia's role in the global IEEE community.

 With multiple recognitions — including IEEE ComSoc Chapter of the Year Awards, IEEE VTS Chapter of the Year Awards, and IEEE Malaysia Section Best Chapter Awards, MyComVT continues to be a driving force in Malaysia's journey toward a connected, intelligent, and sustainable future.

Here's to 20 years of empowering engineers, advancing technology, and connecting Malaysians through innovation — and many more years ahead!



JOIN US NOW



IEEE

ComSoc
IEEE Communications Society

VTS
Connecting the Mobile World

IEEE Malaysia COMSoc and VTS Joint Chapter



The IEEE Malaysia ComSoc/VTS Joint Chapter (MyComVT) is one of the largest and most active technical groups under the IEEE Malaysia Section, serving as a vital bridge between local engineers and the global communities of the IEEE Communications Society (ComSoc) and Vehicular Technology Society (VTS).

For the past two decades, MyComVT has been at the forefront of advancing communication and vehicular technologies in Malaysia through impactful programs, technical talks, and professional networking opportunities. The Chapter continues to connect, inspire, and empower engineers across academia and industry to drive innovation for a connected future

Why Join?

Unlock a world of professional growth and global connections with your IEEE Communications Society (ComSoc) and/or IEEE Vehicular Technology (VTS) memberships:

- ✓ **Stay Informed** – Enjoy free digital access to the IEEE Communications Magazine, our award-winning flagship publication.
- ✓ **Stay Ahead** – Download exclusive resources such as the IEEE Sustainable ICT Initiative White Paper – “A Smart and Sustainable World through ICT.”
- ✓ **Save More** – Get special discounts on ComSoc-sponsored conferences, global events, and professional training courses, including the IEEE WCET™ Certification program.
- ✓ **Stay Connected** – Join your local IEEE ComSoc/VTS Chapter and be part of a vibrant community of innovators.
- ✓ **Access More** – Explore members-only content, insights, and opportunities tailored to your professional journey.

Connecting Malaysians Through Tech

20 Years and Beyond!

History

- **1992** – IEEE Malaysia ComSoc Chapter was formed
- **2006** – IEEE VTS Chapter was combined with ComSoc
- **Now** – It is called ComSoc/VTS Joint Chapter

Achievements

- **ComSoc Chapter of the Year Award**
 - 2014 and 2016
- **VTS Chapter of the Year Award**
 - 2012, 2013, and 2017
- **ComSoc Chapter Achievements Award (Asia-Pacific Region)**
 - 2013, 2014, 2016, and 2023
- **Malaysia Section - Best / Outstanding Large Chapter Award**
 - 2013, 2014, 2016, 2019, 2020 and 2023

FREE CAP!

When you register/renew as ComSoc or VTS members.
Show us your new/renewal membership receipt.
(Available while stocks last)



mycomvt.info



mycomvt.info



company/74354673/



ieee_comvt_malaysia



ieemalaysiacomsocvtsjoint6296

Register Now!

www.comsoc.org/membership

CSS STEM: BASIC INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

The STEM outreach initiative was developed to introduce primary school students to the fundamentals of Artificial Intelligence (AI) in a simple, engaging, and hands-on manner. A total of 30 students from SK Raja Muda, accompanied by five teachers, participated in the half-day programme facilitated by UiTM lecturers and postgraduate students. The programme featured a series of interactive activities, including an introductory session on 'What is AI?', hands-on AI and robotics tasks, a fun AI quiz, and reflection exercises designed to inspire creativity, logical thinking, and curiosity in technology.

The event aimed to cultivate early interest in AI and STEM-related fields among young learners while strengthening collaboration between schools and higher education institutions. This initiative represents IEEE CSS Malaysia's continued commitment to promoting STEM education and technological literacy within school communities, in line with Malaysia's aspiration to develop a digitally skilled generation. Overall, the programme provided students with an enjoyable and meaningful learning experience in AI, fostering the critical and creative thinking skills essential for future innovators.

BASIC INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

Date:
30 October 2025

Time:
08:00 - 12:00

Location:
SK RAJA MUDA (SBT)
Jalan Cempedak 4/5, Seksyen 4
SHAH ALAM, Selangor, 40000
Malaysia



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Industrial Training Poster Exhibition 2025

IEEE Malaysia Section

IEEE Control System Society Malaysia Chapter

The Industrial Training Poster Exhibition was held on 12 November 2025 at Dewan Serbaguna, Universiti Sains Malaysia (USM) Engineering Campus. A total of 223 students who completed industry internships across various sectors between July and October 2025 participated in the exhibition, presenting their posters to showcase workplace experiences and learning outcomes.

The event provided an important platform for students to strengthen their communication and presentation skills, exchange knowledge with peers and academics, and reflect on the relevance of industrial exposure to their professional development.

The IEEE Control Systems Society Malaysia Chapter co-sponsored the exhibition. Six outstanding posters were selected for recognition, and the respective students received tokens of appreciation and certificates in acknowledgment of their achievements. Overall, the exhibition contributed to building stronger industry-academia linkages while enhancing students' readiness for future career pathways.

Industrial Training Poster Exhibition 2025

Date:

12 November 2025

Time:

14:00 - 17:00

Location:

Universiti Sains Malaysia
Engineering Campus 14300
Nibong Tebal, Pulau Pinang



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CSS Talk: IEEE Society Talk ENG3101 Engineering Seminar

IEEE Malaysia Section

IEEE Control System Society Malaysia Chapter

A special talk titled 'IEEE Society and Introduction to the IEEE CSS Malaysia Chapter' was delivered by Associate Professor Dr. Hezri Fazalul Rahiman, Chair of the IEEE Control Systems Society Malaysia Chapter, during the Engineering Seminar ENG3101 organized by the Department of Electrical and Electronic Engineering, UPM.

The session provided students with valuable insights into the role of IEEE and its professional chapters, highlighting opportunities for networking, knowledge sharing, and career development within the control systems field, and fostering greater awareness of the importance of active engagement in professional engineering communities.

In addition to this session, the event also featured talks by representatives from the IEEE Power Electronics Society (PELS) Malaysia Chapter and the IEEE Electron Devices Society (EDS) Malaysia Chapter, offering broader exposure to multidisciplinary engineering domains and encouraging active engagement in professional engineering communities.

CSS Talk: IEEE Society Talk ENG3101 Engineering Seminar

Date:
17 November 2025

Time:
14:30 - 17:30

Location:
Lecture Hall DK7,
Faculty of Engineering
Universiti Putra Malaysia
Serdang, 43400 Selangor



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2025 13th IEEE Conference on Systems, Process & Control (ICSPC)

IEEE Malaysia Section

IEEE Control System Society Malaysia Chapter

The IEEE Control Systems Society extended its sponsorship to two active CSS members to participate in the 13th ICSPC 2025 Conference, held at Hatten Hotel, Melaka, on December 6, 2025. The selected participants, Associate Professor Dr. Rozaimi bin Ghazali and Dr. Hazriq Izzuan bin Jaafar, took this opportunity to represent the society at the prestigious conference.

Their participation, fully sponsored by IEEE CSS, highlights the society's commitment to encouraging active members to contribute to and engage with the academic and professional community. Both Dr. Rozaimi and Dr. Hazriq actively participated in the conference, representing IEEE CSS and making meaningful contributions to the event.

We extend our appreciation to Associate Professor Dr. Rozaimi and Dr. Hazriq for their involvement and dedication in attending the conference on behalf of the society. Their participation not only enhances the visibility of IEEE CSS but also strengthens its role in supporting professional development and academic excellence.

13th IEEE Conference on Systems, Process & Control (ICSPC)

Date:

5-6 December 2025

Time:

09:00 - 17:00

Location:

Hatten Hotel Melaka
Jln Merdeka, 75000
Banda Hilir, Melaka



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Empowering Educators: Inclusive Approaches for University Classrooms

IEEE Malaysia Section



IEEE CNAG Malaysia hosted a webinar as part of its Professional Activities and Industry Relations (PAIR) program on May 21, 2025. This webinar on “Empowering Educators: Inclusive Approaches for University Classrooms” was presented by Assoc. Prof. Dr. Muliati Sedek from Universiti Teknikal Malaysia Melaka (UTEM).

PAIR Talk:
Professional Activities and Industry Relations

Date: 21 May 2025

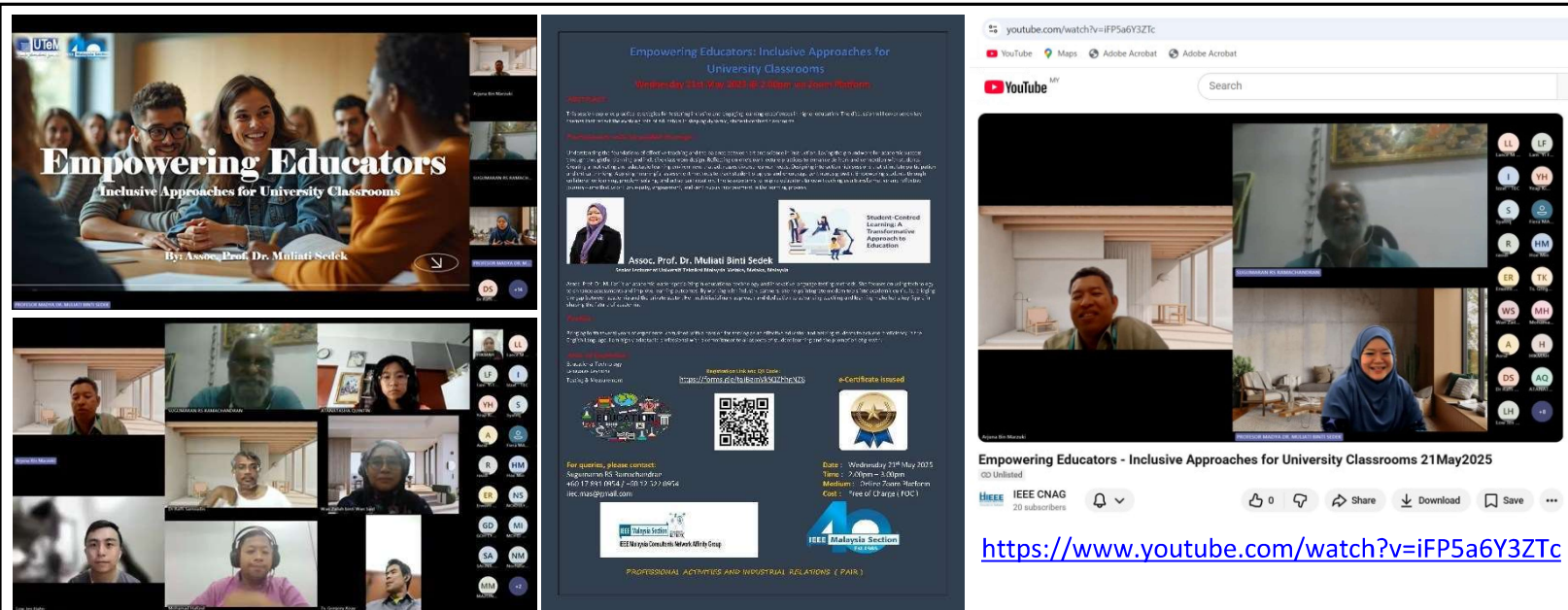
Time: 14:00 - 15:00

Location: Online via Zoom

Assoc. Prof. Dr. Muliati shared valuable insights on practical strategies for fostering inclusive and engaging learning experiences in higher education, covering seven key themes that reflect the evolving role of educators in shaping dynamic, student-centered classrooms.

This webinar, moderated by Mr. Sugumaran RS Ramachandran, Chair of IEEE CNAG Malaysia, was attended by a total of 31 participants. The video recording of this webinar is available on YouTube @IEEECNAG playlist.

Prepared by:
Dr. Shahrinaz Ismail
Vice Chair, IEEE CNAG Malaysia



Environmental, Social, and Governance (ESG) – Driven AI Analytics

IEEE Malaysia Section



PAIR Talk:
Professional Activities and Industry Relations

Date: 8 November 2025

Time: 10:00 - 11:00

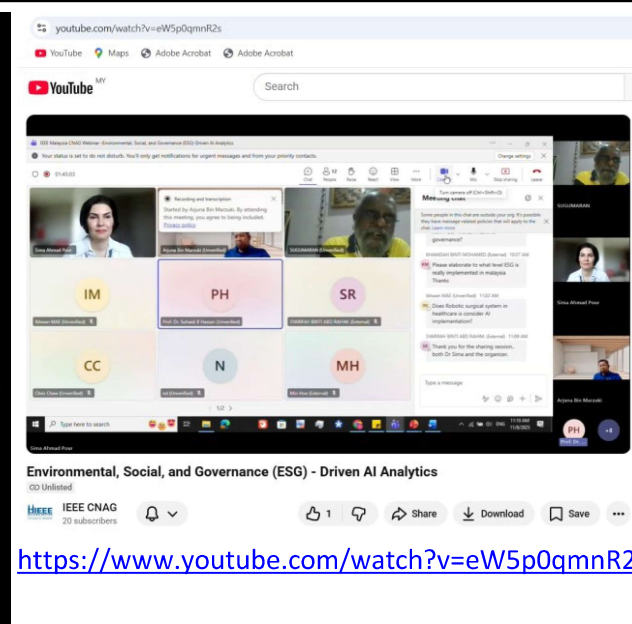
Location: Online via Zoom

Prepared by:
Dr. Shahrinaz Ismail
Vice Chair, IEEE CNAG Malaysia

IEEE CNAG Malaysia hosted a webinar as part of its Professional Activities and Industry Relations (PAIR) program on November 8, 2025. This webinar on “Environmental, Social, and Governance (ESG) - Driven AI Analytics” was presented by Assist. Prof. Dr. Sima Ahmadpour, from the Faculty of Information and Communication Technology, Universiti Tunku Abdul Rahman, Malaysia.

Assist. Prof. Dr. Sima emphasized the critical questions of the role AI plays in ESG compliance and sustainability reporting, how AI can help distinguish genuine impact from “greenwashing”, ethical concerns to be addressed when embedding AI into ESG frameworks, and how the maturity of ESG-focused AI compares with other established AI applications.

This webinar, moderated by Mr. Sugumaran RS Ramachandran, Chair of IEEE CNAG Malaysia, was attended by a total of 13 participants. The video recording of this webinar is available on YouTube @IEEECNAG playlist.



AI-Ready Leadership: How Firms can Transform Productivity, Safety & Competitive Advantage in the Age of Intelligent Systems

IEEE Malaysia Section



IEEE CNAG Malaysia hosted a webinar as part of its Professional Activities and Industry Relations (PAIR) program on December 13, 2025. This webinar on "AI-Ready Leadership" was presented by Ms. Jane Chew, the Founder and AI Strategy Coach of 10xAI Business Consulting Sdn Bhd.

PAIR Talk:
Professional Activities and Industry Relations

Ms. Jane Chew highlighted simple, practical examples of how firms use AI for documentation, project planning, reporting, safety, and communication, without needing deep technical skills. Supporting Ms. Jane Chew was Mr. Kalmen, who was in charge of the E-Global SCM section of 10xAI Business Consulting Sdn Bhd, covering the practical insights "From Theory to Practice: A Proof-of-Concept Framework for Malaysian SMEs".

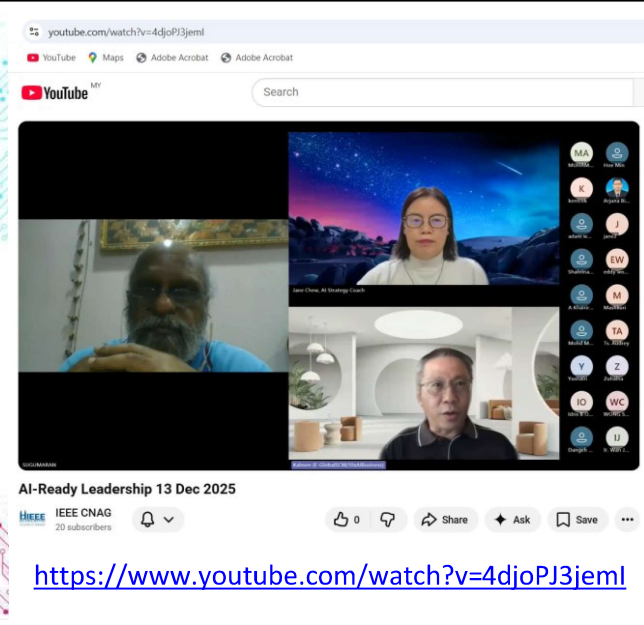
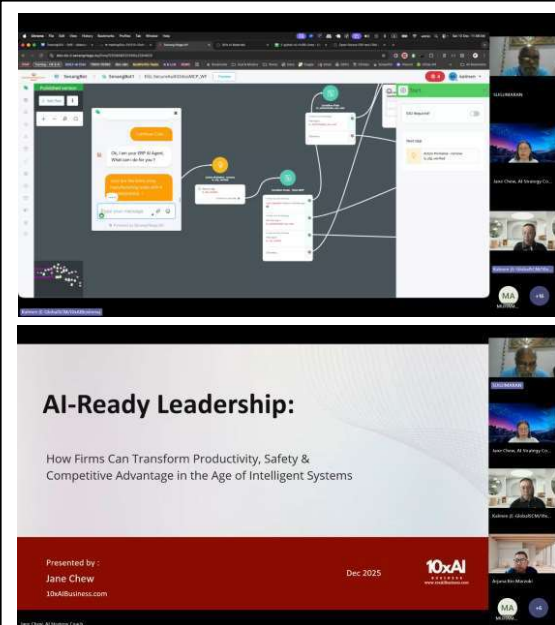
Date: 13 December 2025

Time: 10:00 - 11:00

Location: Online via Zoom

This webinar, moderated by Mr. Sugumaran RS Ramachandran, Chair of IEEE CNAG Malaysia, was attended by a total of 16 participants. The video recording of this webinar is available on YouTube @IEEECNAG playlist.

Prepared by:
Dr. Shahrinaz Ismail
Vice Chair, IEEE CNAG Malaysia



Consulting Services Subgroup Activities on Process Mining *Technology Management & Adoption*

A series of activities was conducted between IEEE CNAG Malaysia and the Process Mining Research Cluster (PMineReC) under the Universiti Kuala Lumpur – Malaysian Institute of Information Technology (UniKL MIIT). The Vice Chair, Dr. Shahrinaz Ismail, represented IEEE CNAG Malaysia for the following activities under this flagship project:

- I. Kick-off meeting on “Way Forward Planning: Proposed Activities for 2025”, March 27, 2025, (2 hours), 4 participants
- II. Webinar on “Augmenting FYP with Process Mining”, April 23, 2025 (2 hours), 72 participants
- III. Hands-on Technical Knowledge Sharing Workshop on “Fundamentals of Process Mining – Fluxicon Disco for Process Visualization”, May 13, 2025 (1 day), 9 participants

Thanks to strong collaboration with PMineReC leaders, these activities were well-received by the participants, especially the final-year Bachelor's students at UniKL MIIT.

IEEE Malaysia Section



Technology Management & Adoption Consulting Services Subgroup

Date: March – May 2025

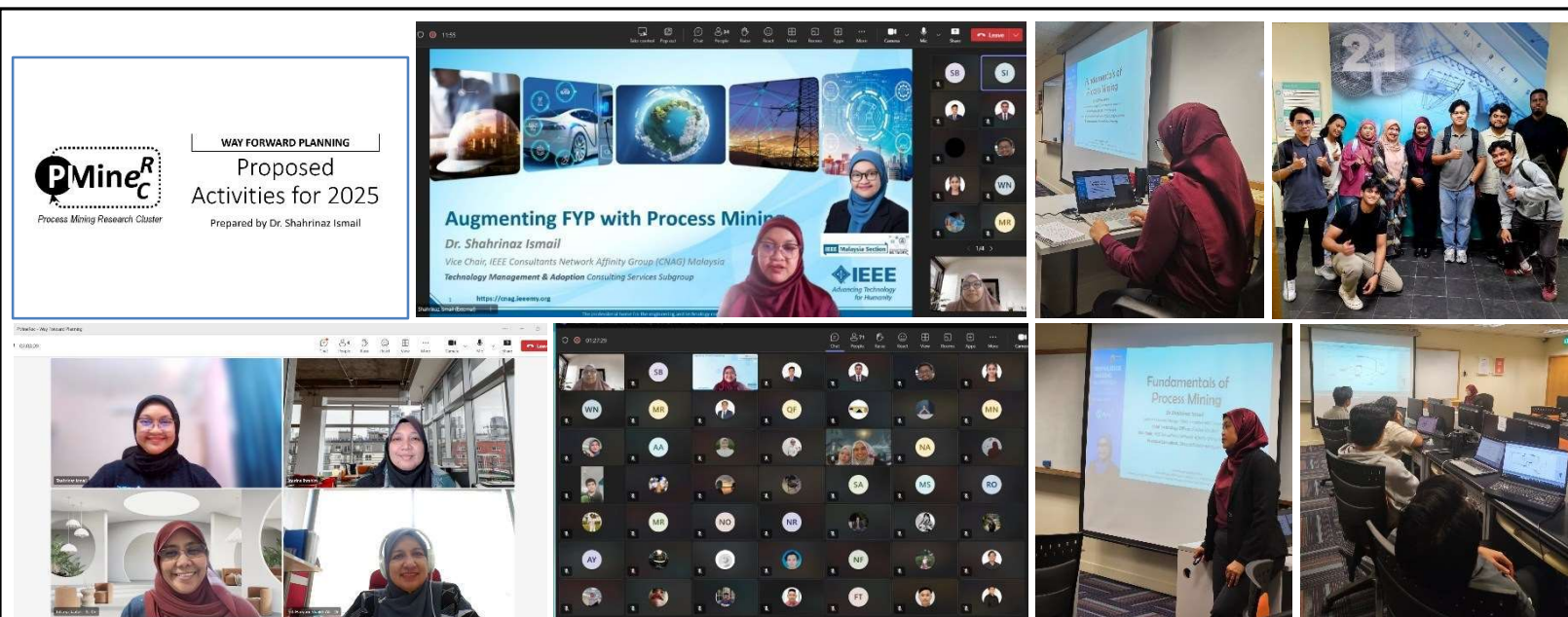
Time: 9:00-17:00

Location: Online and UniKL MIIT

Prepared by:

Dr. Shahrinaz Ismail

Vice Chair, IEEE CNAG Malaysia



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www.ieee.org

IEEE Malaysia Section

IEEE Malaysia Section

INDUSTRY FORUM

The Professional Academic Industry Relationship (PAIR) of IEEE Malaysia Section, in collaboration with IEEE Electronics Packaging Society (EPS) Region 10 and IEEE EPS Malaysia Chapter, played a critical role in supporting and amplifying the technical depth of this forum. IEEE's involvement ensured that the discussions were aligned with global standards and emerging trends in electronics packaging and manufacturing. The forum's focus on advanced packaging technologies, including 3D packages in electrical, mechanical and thermal analysis, and assembly of hybrid bonding interconnects, directly supports towards the Heterogenous Interconnect Roadmap (HIR) approach. These technologies are essential for enabling high-performance, compact, and energy-efficient systems, which are increasingly demanded across sectors such as automotive, telecommunications, and AI-driven computing. One of the key outcomes of the forum was the formation of various action groups driven by INEMI to initiate collaborative industrial programs. These groups will focus on: Bridging roadmap gaps through targeted R&D and driving pilot projects in advanced packaging and smart manufacturing. The learning could further facilitate the knowledge transfer and training through INEMI/IEEE EPS R10-supported initiatives

INEMI Forum on Complex Integrated Electronics

Date:
17-18 Sept 2025

Time:
08:00 - 13:00

Location:
**Penang Skills Development
Centre (PSDC), Penang,
Malaysia**



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COFFEE TALK WITH THE CHAMPS

A Corporate Social Responsibility (CSR) visit was conducted at SMK Kajang Utama, Taman Kajang Utama, Kajang, Selangor, from 9.00 am to 1.00 pm. The program featured an inspirational talk for Form 5 students who will be sitting for the SPM examination this year, aimed at motivating them to stay focused and confident.

The team also had an informal coffee-talk session and light chit-chat with the students to better understand their aspirations and challenges especially in the field of computing. During the visit, we toured the school compound, including facilities that support students with disabilities, and observed how the school nurtures an inclusive learning environment.

Discussions were also held with the school's leadership on potential areas of support and collaboration, particularly on how our team can contribute by proposing technology-based improvements and automating certain school facilities, leveraging our expertise in the computing and engineering fields to enhance the students' learning experience and overall school development.



IEEE Malaysia Section



CSR Activities with Students from SMK Kajang Utama

Date:

26 September 2025

Time:

9:00 am - 01:00 pm

Location:

SMK Kajang Utama

Taman Kajang Utama

Kajang Selangor

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A Developer's Workshop for Smarter, Faster, Augmented Coding with AI Assistants

The IEEE Computer Society Malaysia Chapter, in collaboration with the Centre of Research for Cyber Security & Network (CSNET), successfully organised a developer-focused webinar titled "A Developer's Workshop for Smarter, Faster, Augmented Coding with AI Assistants." Held on 24th September 2025, the session featured Dr. Muhammad Faiz Bin Mohd Zaki from Universiti Malaya as the speaker and was moderated by Professor Ts. Dr. Nor Badrul Anuar Jumaat. The workshop introduced participants to modern AI-assisted coding tools designed to enhance productivity, streamline development processes, and improve code quality. Attendees were exposed to practical demonstrations on how AI can assist in debugging, code generation, documentation, and rapid prototyping. This programme not only enriched developers with cutting-edge skills but also empowered them to adopt smarter workflows, reduce development time, and stay competitive in today's fast-evolving technological landscape.

IEEE Malaysia Section



Chapter Webinar Series and Professional Workshops

Date:
24 September 2025

Time:
10:00 am - 11:00 am

Location:
University Malaya
Online



ORGANISED BY : IEEE COMPUTER SOCIETY MALAYSIA CHAPTER
HOSTED BY : CENTRE OF RESEARCH FOR CYBER SECURITY & NETWORK (CSNET)

2025 IEEE COMPUTER SOCIETY MALAYSIA CHAPTER WEBINAR SERIES AND PROFESSIONAL WORKSHOPS

A DEVELOPER'S WORKSHOP FOR SMARTER, FASTER, AUGMENTED CODING WITH AI ASSISTANTS

SPEAKER
DR. MUHAMMAD FAIZ BIN MOHD ZAKI
Director, Data and Information Management Centre, Universiti Malaya

MODERATOR
PROFESSOR TS. DR NOR BADRUL ANUAR JUMA'AT
Professor of Cyber Security and Networking

For Registration

<https://tinyurl.com/IEEECSSeptember2025>

24th September 2025 (Wednesday) 10:00 - 11:00 a.m (MYT)

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<https://ieeecomputer.my/>

IEEE International Conference on Computing (ICOCO 2025)

IEEE Malaysia Section



Flagship Conference
ICOCO 2025

Date:
06-08 October 2025

Location:
The Waterfront Hotel
Kuching, Sarawak.

The 2025 IEEE International Conference on Computing (ICOCO 2025) successfully held a full-day workshop at The Waterfront Hotel, Kuching, Sarawak, from 6 to 8 October 2025 to 6. The event gathered participants from various institutions for a series of presentation sessions, technical discussions, and interactive activities designed to strengthen research and innovation research in computing.

The conference featured engaging presentations, and opportunities for participants to refine their work under expert guidance. The programme also included a cultural appreciation segment, giving attendees a glimpse of Sarawak's rich heritage. A certificate presentation ceremony was held to acknowledge participants' contributions and commitment. Overall, the workshop created a productive, meaningful, and vibrant learning experience for all involved.



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EduTalk: Ignite the Spark

IEEE Malaysia Section

The **EduTalk: Ignite The Spark** subprogram was successfully carried out, providing students with valuable insights into the importance of education and their future pathways. Through motivational sharing sessions and interactive discussions, students gained a clearer understanding of their academic journey as well as the opportunities that lie ahead. The session inspired participants to think critically about their goals and to take proactive steps toward achieving their aspirations.

In addition, EduTalk created a supportive environment where students felt encouraged to ask questions, reflect on their strengths, and explore various academic and career possibilities. The speakers' real-life experiences and practical advice helped students build confidence in navigating their educational choices and planning for the future.

Overall, the program successfully achieved its objectives, leaving a positive and constructive impact on the students' perspectives toward education and their long-term ambitions. It not only broadened their outlook but also ignited a renewed motivation to pursue excellence and personal growth.



Bakti MADANI 2025

Date:

02 October 2024

Location:

SMK Bukit Rokan,
Felda Bukit Rokan,
Gemencheh,
Negeri Sembilan



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<https://ieeecomputer.my/>

SparkRace

The SparkRace subprogram was carried out successfully using a fun, dynamic, and hands-on approach to introduce students to renewable energy concepts. Through creative mini-sport challenges infused with sustainability-themed rules, students not only enjoyed active participation but also gained meaningful insights into clean and renewable energy. The programme effectively strengthened teamwork, communication, leadership, and problem-solving skills as students strategized and collaborated to complete each task. By linking physical activities with educational content, SparkRace created a holistic learning experience that deepened students' understanding of real-world sustainability issues and inspired greater environmental awareness. Overall, the programme delivered significant educational value, motivating students to embrace innovative thinking and sustainable practices in their daily lives.

IEEE Malaysia Section



Bakti MADANI 2025

Date:
02 October 2025

Location:
SMK Bukit Rokan,
Felda Bukit Rokan,
Gemencheh,
Negeri Sembilan



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SunLite UNITEN

The SunLite UNITEN subprogram was successfully carried out at SK Bukit Rokan and SMK Bukit Rokan through the installation of solar-powered lights, improving school safety while demonstrating practical renewable energy applications. This hands-on initiative exposed students to green technology, sparking their interest in sustainable solutions and showing how renewable energy can address real-world needs.

The programme also strengthened environmental awareness across the school community, helping students understand the importance of energy conservation and long-term sustainability. Overall, SunLite UNITEN achieved its goals by enhancing the school environment and inspiring students to value and explore renewable energy as part of a greener future.



IEEE Malaysia Section



Bakti MADANI 2025

Date:
04 October 2025

Location:
SK Bukit Rokan
& SMK Bukit Rokan,
Felda Bukit Rokan,
Gemencheh,
Negeri Sembilan
Line 3 Location



LEARN MORE

<https://ieeecomputer.my/>

Tech Trek

The TechTrek subprogram was successfully conducted with highly encouraging participation, offering students an engaging introduction to robotics and basic technology through interactive demonstrations and hands-on activities. The programme sparked curiosity, nurtured creativity, and strengthened essential 21st-century skills such as critical thinking, problem-solving, teamwork, and digital literacy. By creating a fun and supportive learning environment, TechTrek boosted students' confidence to explore STEM concepts and experiment with innovative ideas. Overall, the programme effectively met its objectives by exposing students to the world of technology, inspiring interest in STEM, and encouraging collaboration—fully aligning with the IEEE Computer Society's goal of promoting technological advancement, digital literacy, and the development of future-ready learners.



Bakti MADANI 2025

Date:
02 October 2025

Location:
SK Bukit Rokan,
Felda Bukit Rokan,
Gemencheh,
Negeri Sembilan



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<https://ieeecomputer.my/>

www.ieee.org

Breaking the Static Barrier: Mastering Continuous Learning in AI Research

IEEE Malaysia Section



Chapter Webinar Series and Professional Workshops

In the rapidly evolving landscape of Artificial Intelligence, the traditional "train-then-deploy" model is facing a critical challenge: reality changes, but static models do not.

The IEEE Computer Society Malaysia Chapter, in collaboration with the Centre of Research for Cyber Security and Networks (CSNET), Universiti Malaya, invites you to our upcoming advanced technical workshop: "Breaking the Static Barrier: Mastering Continuous Learning in AI Research."

We are pleased to feature Afif Haziq bin Haris, a Researcher at CSNET, who will guide us through the complexities of Continuous Learning (CL). This session moves beyond theory, offering a practical look at how to apply CL methodologies to live network traffic data to build adaptive, resilient systems.

Date:
17 December 2025

Time:
2:30 pm - 4: 00 pm



IEEE COMPUTER SOCIETY UNIVERSITY MALAYA

ORGANISED BY : IEEE COMPUTER SOCIETY MALAYSIA CHAPTER
HOSTED BY : CENTRE OF RESEARCH FOR CYBER SECURITY & NETWORK (CSNET)

2025 IEEE COMPUTER SOCIETY MALAYSIA CHAPTER WEBINAR SERIES AND PROFESSIONAL WORKSHOPS

BREAKING THE STATIC BARRIER : MASTERING CONTINUOUS LEARNING IN AI RESEARCH

SPEAKER
AFIF HAZIQ BIN HARIS
Researcher at the Centre of Research for Cyber Security and Networks (CSNET)

MODERATOR
PROFESSOR TS. DR NOR BADRUL ANUAR JUMA'AT
Professor of Cyber Security and Networking

For Registration



<https://tinyurl.com/IEEECS-Dec2025>

17 December 2025 (Wednesday) 2:30 - 3:30 p.m (MYT)

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36th IEEE MALAYSIA Annual General Meeting

IEEE Malaysia Section
IEEE Malaysia Section

36th IEEE MALAYSIA ANNUAL GENERAL MEETING

Date: 7th February 2026 (Saturday)

Time: 08:00 – 14:00

Venue: Berjaya Times Square Hotel, Kuala Lumpur

Program: 08:00 – 13:30

Registration/Chapter AGM: 08:00 – 10:30

Coffee Break : 10:30 – 11:00

36th IEEE Malaysia AGM: 11:00 – 13:00

Lunch: 13:00 – 14:00

2026 IEEE MALAYSIA AGM

Date:

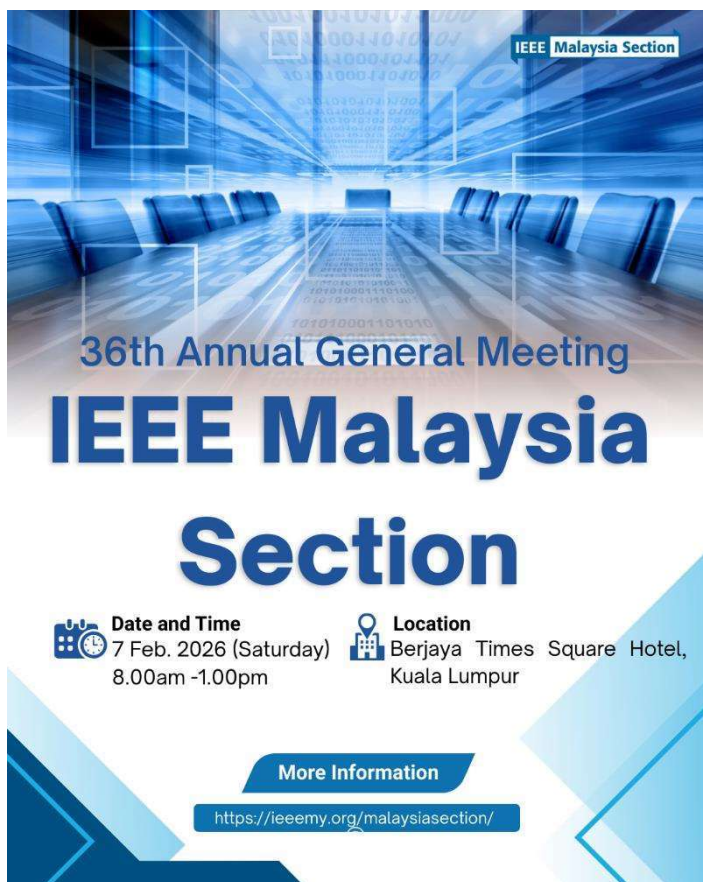
7 February 2026

Time:

08:00 - 13:00

Location:

**Berjaya Times Square Hotel
Kuala Lumpur**



**36th Annual General Meeting
IEEE Malaysia
Section**

Date and Time
7 Feb. 2026 (Saturday)
8.00am -1.00pm

Location
Berjaya Times Square Hotel,
Kuala Lumpur

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