



Technical Talk: Chit Chat EEE 3.0- Sharing Career Pathways and Work Experience Related to Electrical and Electronics Engineering

By

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He is the Chairman of eETD committee for 2025/2026 session.

On Monday, 6 April 2026, the Institution of Engineers, Malaysia (IEM) successfully organised an online evening sharing session entitled “*Chat EEE! Sharing Career Pathways and Work Experience Related to Electrical and Electronics Engineering*”. The programme was jointly organised by the Electrical Engineering Technical Division (EETD) and the Electronics Engineering Technical Division (eETD), and was conducted virtually via Zoom from 8.00 PM to 10.00 PM. The session attracted a total of 133 participants, comprising engineering students, graduate engineers, academicians, and industry professionals.

The session aimed to provide engineering students, graduate engineers, and young professionals with practical industry exposure and valuable career guidance from experienced practising engineers in the electrical and electronics engineering field. The programme featured two distinguished speakers: Mr. Sabran Bin Samsuri, Chief Operating Officer of Inari Technology Sdn. Bhd., and Ir. Ts. Roger Wong, Managing Director of Mun Hean (Malaysia) Sdn. Bhd.

Session 1: Mr. Sabran Samsuri

The first session was delivered by Mr. Sabran Samsuri, who shared his inspiring 38-year career journey in the semiconductor industry. Starting as a young engineer in Penang, he progressed through various engineering, operations, and leadership roles before becoming the Chief Operating Officer of Inari Technology Sdn. Bhd. Throughout his presentation, Mr. Sabran highlighted key milestones in his professional career, including his early experience at Advanced Micro Devices (AMD), followed by senior leadership positions at Advanced Semiconductor Engineering (ASE), where he contributed extensively to engineering operations and advanced semiconductor packaging technologies. As in figure 1, he later joined Inari Technology in 2013 as Chief Operating Officer, continuing to play an important role in the growth and development of Malaysia’s semiconductor industry.

Throughout the sharing session, he emphasised that career growth does not happen instantly, but is built through continuous learning, perseverance, adaptability, and hands-on experience. He encouraged students and young engineers to remain curious, proactive, and committed to self-development, especially in a rapidly evolving technology industry. He also stressed the importance of mastering technical fundamentals while simultaneously developing leadership, communication, and people management skills.

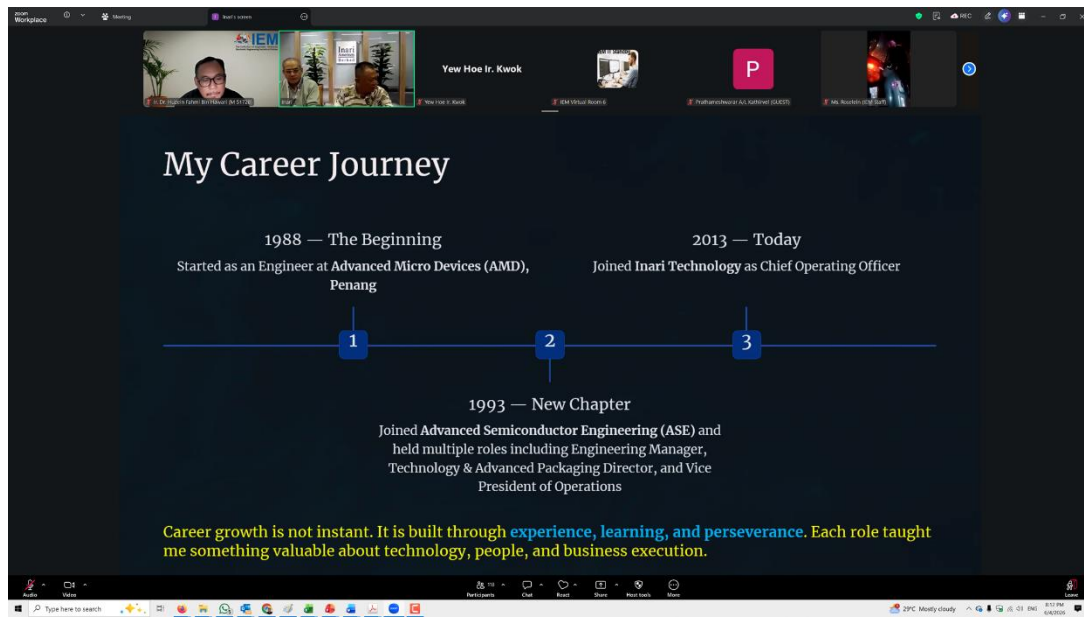


Figure 1: Mr Sabran sharing on his career journey

In addition, Mr. Sabran shared valuable lessons on workplace professionalism, teamwork, and resilience. He explained that engineers must be prepared to face challenges, adapt to technological changes, and continuously improve themselves to remain relevant in the industry. He reminded participants that every role and responsibility offers valuable learning opportunities that contribute to long-term career growth and business understanding.

Towards the end of the session, he highlighted the future growth of the semiconductor industry, driven by increasing demand for electronics, Artificial Intelligence (AI), automation, and digital transformation technologies. He shared the significant economic impact of AI, which is projected to contribute approximately USD 15.7 trillion to the global economy by 2030, while also discussing the growing influence of automation and industrial robotics in shaping future industries and workforce trends.

He also introduced key industry growth drivers such as AI chips, advanced semiconductor packaging, smart manufacturing, robotics, and Industry 4.0 technologies. He encouraged participants to continuously enhance their technical knowledge, soft skills, and multidisciplinary competencies to remain competitive and relevant in the evolving technology landscape.

In his concluding remarks, Mr. Sabran reminded participants that the future of technology will be shaped by young engineers and innovators. He encouraged students and graduate engineers to embrace opportunities, develop resilience, and contribute actively towards the advancement of the engineering profession and the global technology industry as in figure 2.

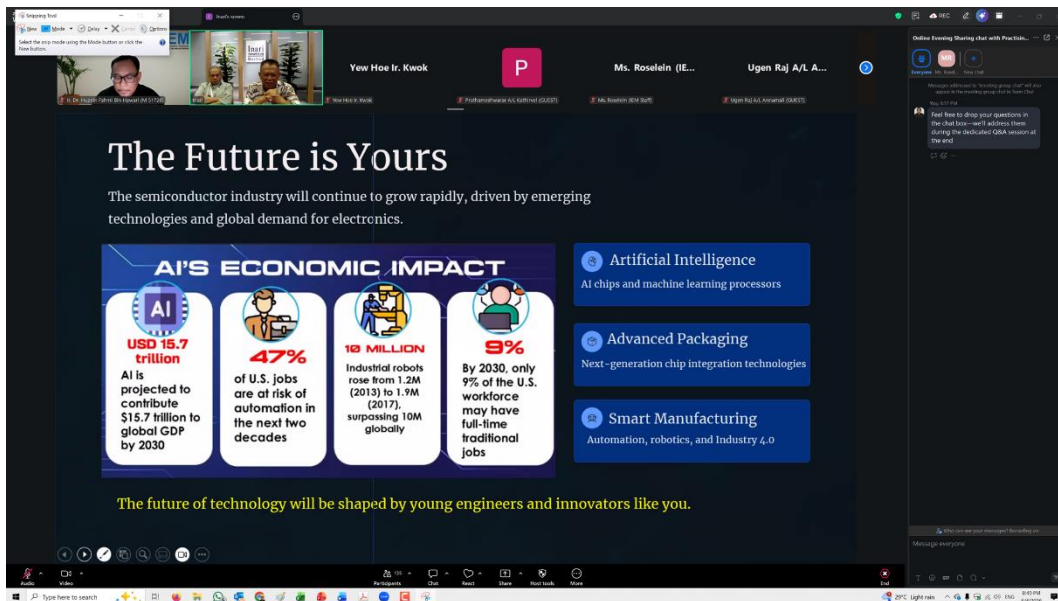


Figure 2: Mr Sabran's concluding remarks for students and young engineers

Session 2: Ir. Roger Wong

The second session featured Ir. Roger Wong, Managing Director of Mun Hean (Malaysia) Sdn. Bhd., who shared his perspectives on engineering practice, industrial development, and career preparation for future engineers. His presentation focused on the importance of mastering core electrical engineering competencies, particularly in high-voltage systems, power engineering, and industrial applications.

During the session, as in figure 3, Ir. Roger Wong introduced a comprehensive blueprint for becoming a competent 33kV electrical engineer. He explained the importance of developing strong technical mastery and understanding core engineering concepts such as electrical power calculations, current transformer (CT) turn ratio testing, burden testing, cable fault location methods, and commissioning procedures for high-voltage systems.

In addition to technical competencies, he also outlined the educational and professional milestones required for career advancement in the electrical engineering field. He explained the importance of obtaining strong academic foundations, professional engineer qualifications, and specialised certifications such as 33kV Electrical Competent Engineer and Registered Energy Manager credentials. He encouraged students and graduate engineers to continuously pursue professional development opportunities and technical certifications to remain competitive within the industry.

Throughout his sharing session, he emphasised that successful engineers must combine technical knowledge with practical problem-solving abilities, leadership qualities, communication skills, and professional ethics. He advised participants to remain adaptable and proactive in facing technological advancements and evolving industrial demands.

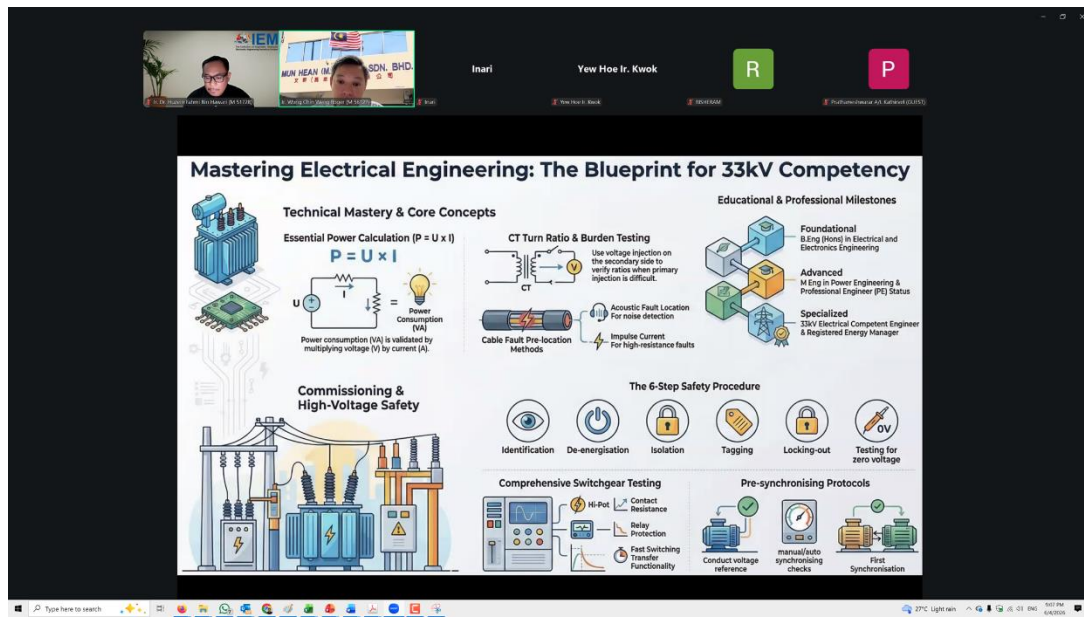


Figure 3: Ir. Roger Wong sharing on becoming a competent 33kV electrical engineer.

In his concluding remarks, Ir. Roger Wong encouraged participants to embrace lifelong learning and continuously strengthen both their technical and professional competencies. He reminded young engineers that engineering excellence is built through discipline, hands-on experience, responsibility, and continuous self-improvement.

Conclusion

The session successfully provided participants with meaningful exposure to real-world engineering experiences and valuable career insights from seasoned industry professionals. Both speakers shared practical advice, personal experiences, and motivational guidance that inspired students and young engineers to pursue continuous improvement and professional excellence.

Overall, the session encouraged participants to approach their engineering journeys with curiosity, resilience, ethical professionalism, and a commitment to lifelong learning. The programme concluded with an engaging question-and-answer session followed by a virtual group photo session involving the speakers and participants.