



IEM

The Institution of Engineers, Malaysia

Organised By :

Agricultural and Food Engineering

Technical Division (AFETD)

VIRTUAL HALF DAY FORUM ON NAVIGATING PROFESSIONAL CROSS-ROAD FOR AGRICULTURAL ENGINEERS IN MALAYSIA”

CPD HOURS: 4 REF NO:IEM26/HQ/416/F(w)

Date : 30 September 2026
(Wednesday)

Time : 09.00 am - 1.00 pm

Platform : Virtual - Zoom Platform

SPEAKERS LIST:

- **Ir. Mohd Fazly Bin Mall**
- **Ir. Ts. Gan Kok Yong**
- **Ir. S Kumar S Subramaniam**
- **Prof Dr. Abdul Rashid
Bin Mohamed Shariff**



Registration Fees	ONLINE (Log-in for registration & payment at IEM PORTAL	NORMAL FEE (By Email: Invoice)
IEM Student	RM40	RM50
IEM Graduate Members	RM75	RM90
IEM Corporate Members	RM125	RM150
Non-IEM Members (Non of the Above	RM240	RM300

In collaboration with: Malaysian Society of Agricultural
and Food Engineers (MSAE)

SYNOPSIS

The agricultural engineering profession is evolving rapidly with the advancement of digital technologies, smart agriculture, sustainability, and climate-resilient solutions. This half-day virtual forum aims to provide engineering students, young graduates, practising engineers, academics, researchers, and industry professionals with valuable insights into the future of the profession and the skills required to remain competitive in an increasingly dynamic industry.

Participants will gain perspectives from distinguished speakers representing industry, professional bodies, and academia on key topics, including:

Professional Engineering Practice – career development and professional registration.
The Role of Professional Associations – advancing the agricultural engineering profession.
Agricultural Engineering Consultancy – opportunities and challenges in the ASEAN region.
Future Demand for Agricultural Engineers – industry expectations and emerging career opportunities in Malaysia.

By the end of the forum, participants will gain a better understanding of career pathways, professional growth, and the evolving role of agricultural engineers in supporting sustainable agriculture, food security, and technological innovation in Malaysia.

TENTATIVE PROGRAMME

TIME	PROGRAMME
09:00 am – 09:10 am	Welcoming Remarks by the Moderator, Ir. Ayob & Ir. Vasan
09:10 am – 09:40 am	Technical Talk 1: AE Professional Practice (Ir. Fazly Bin Mail, UPM)
09:40 am - 10:10 am	Technical Talk 2: AE & FE Professional Association (Ir. Ts. Gan Kok Yong, MSAE)
10:10 am - 10:30 am	Break
10.30 am - 11.00 am	Technical Talk 4: Extending our AE Consultancy services to ASEAN region (Ir. S Kumar S Subramaniam)
11.00 am - 11.30 am	Technical Talk 3: Agricultural Engineering Careers in Malaysia: Opportunities, Challenges, (demand & supply) and Emerging Pathways (Prof. Rashid, UPM)
11.30 pm - 12.00 pm	Q&A Session Closing Remarks by Moderator AFETD
1.00 pm	End of Programme

BIODATA OF SPEAKER



Ir. Mohd Fazly bin Mail

Ir. Mohd Fazly bin Mail earned his bachelor's degree in Biological and Agricultural Engineering from Universiti Putra Malaysia in 2006, followed by a master's degree in the same field from the University of Florida in 2016. After graduating, he began his career as an on-site engineer at Shell Malaysia before joining the Malaysian Palm Oil Board (MPOB) as a researcher. He is currently a Senior Research Officer at the Malaysian Agricultural Research and Development Institute (MARDI) in Selangor, Malaysia. His research interests lie in agricultural machinery, particularly in machine design, testing, and precision agriculture. Ir. Fazly is a corporate member of The Institution of Engineers, Malaysia (IEM), and a Professional Engineer with a practicing certificate from the Board of Engineers, Malaysia (BEM). He currently served as the Deputy Chairman of the Agricultural and Food Engineering Technical Division of IEM and the Malaysian Society of Agricultural Engineers (MSAE).



Ir. Ts. Gan Kok Yong

Ir. Ts. Gan Kok Yong holds a Bachelor of Engineering (Hons) in Process and Food Engineering and has been working in the engineering industry since 2012. He specialises in fire and explosion protection, combustible dust hazards, and process safety solutions for industrial applications. He is actively involved in the Malaysian Society of Agricultural and Food Engineers (MSAE), where he serves as an Exco member. He is also a Member of the Technical Committee of the Department of Standards Malaysia (JSM). His professional work focuses on developing practical engineering solutions, promoting safety awareness, and applying relevant standards and best practices to enhance industrial safety and process reliability.

BIODATA OF SPEAKER



Ir. Kumar Subramaniam

Ir. Kumar Subramaniam is the founder and Managing Director of SGT Konsult Sdn. Bhd. With approximately 30 years of experience, he has managed the construction, commissioning and upgrading of palm oil mills across Malaysia, Indonesia, Papua New Guinea and South America. His expertise covers feasibility and financial evaluations, process design for agro-based industries, mechanical systems and equipment selection, operations and maintenance, biogas and biomass power plants, and carbon-footprint reduction projects. Ir. Kumar also has extensive experience in project coordination, procurement, regulatory approvals and liaison with clients, consultants, subcontractors and local authorities. His technical capabilities include selecting and sizing process machinery, piping systems, motors, gearboxes, conveyors and storage facilities.



Prof Dr. Abdul Rashid Bin Mohamed Shariff

Prof. Sr. Gs. Dr. Abdul Rashid bin Mohamed Shariff, C.Eng., is a Professor at the Department of Biological and Agricultural Engineering, Faculty of Engineering, Universiti Putra Malaysia. He is a Chartered Engineer (CEng), professionally registered through the Institution of Agricultural Engineers (IAgrE), United Kingdom; a member of the American Society of Agricultural and Biological Engineers (ASABE); and a Life Member of the Malaysian Society of Agricultural and Food Engineers (MSAE). He is President of the Institution of Geospatial and Remote Sensing Malaysia (IGRSM). His expertise includes GIS, remote sensing, precision agriculture and smart farming.

REGISTRATION FORM

VIRTUAL HALF DAY FORUM ON “NAVIGATING PROFESSIONAL CROSS-ROAD FOR AGRICULTURAL ENGINEERS IN MALAYSIA”

30 SEPTEMBER 2026 (WEDNESDAY) - CLOSING DATE : 25 SEPTEMBER 2026

Email : nursyazliza@iem.org.my

Registration Fees	ONLINE (Log-in for registration & payment at IEM PORTAL	NORMAL FEE (By Email: Invoice)
IEM Student	RM40	RM50
IEM Graduate Members	RM75	RM90
IEM Corporate Members	RM125	RM150
Non-IEM Members (Non of the Above	RM240	RM300

NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
Sub Total:		
SST Added 8% :		
Total Amount Payable :		

PAYMENT DETAILS :

☐ Cash RM_____

☐ Cheque no._____for the amount of RM_____(non-refundable) .

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation:_____

Name of Organization: _____

Address : _____

Telephone No. : _____(O) _____

Company Registration No. : _____

Tax Identification (TIN no) : _____

Email : _____

Signature & Stamp

Date