

Webinar Talk on "Engineering Lessons in Precision Agriculture for Rice Production: System Optimization and Future Directions"

CPD HOURS : 2 | REF No. : IEM26/HQ/089/T(w)



Date : 09 April 2026 (Thursday)
Time : 10.00 am - 12.00 pm
Platform : Virtual - Zoom Platform
Speakers : Ir. Dr. Badril Abu Bakar

Registration Fees
IEM Students : Free
IEM Members : RM 15
Non-IEM Members : RM70

SYNOPSIS

Precision agriculture engineering is a method of managing variability on the field based on data collected from digital sources such as cameras & sensors, survey reports and maps. Although the concept of site specific management is easy to digest, implementation on the ground has its challenges. Research done by MARDI in the last 15 years on this topic taught us valuable lessons that can be translated into future actions.

SPEAKER'S BIODATA

Ir. Dr. Badril Abu Bakar is currently the deputy director for the Field Mechanization Program at the Engineering Research Centre in MARDI. He specializes in precision farming and artificial intelligence. He is currently active in contributing towards the modernization of the Malaysian agriculture sector through developing Industry 4.0 ready systems. His passion is to employ artificial intelligence in agricultural systems to increase productivity. He has 23 years of engineering experience in multiple fields. He has worked in the UK as an instrumentation engineer building autonomous surface vehicles. He has also worked in the oil and gas industry installing safety shutdown systems.