UTHM
Universiti Tun Hussein Onn Malaysia

FKEE FEST

Faculty of Electrical and Electronic Engineering

15&16 JUNE 2026

POSTGRADUATE SEMINAR IN ELECTRICAL & ELECTRONIC ENGINEERING (POSEEE)

Semester 2 Session 2025/2026

Program Book

ABOUT POSEEE 2026

Postgraduate Seminar in Electrical and Electronic Engineering 2026 (POSEEE 2026)

With the theme ***Advancing the Frontiers of Technology through Research in Electrical and Electronic Engineering*****,** POSEEE 2026 serves as a platform to unite postgraduate students from the Faculty of Electrical and Electronic Engineering (FKEE), UTHM. The seminar aims to foster the sharing of research findings, encourage the exchange of ideas, and explore the latest technological innovations.

Organized by the **Faculty of Electrical and Electronic Engineering (FKEE)** in collaboration with the **Malaysian Journal of Science and Advanced Technology (MJSAT)** and the **Electrical Engineering Postgraduate Society (EECLIPS),** this seminar encompasses a wide range of fields in electrical and electronic research, as well as science and engineering. However, it also welcomes contributions beyond these disciplines.

The seminar features **Poster Presentation** competition and divided into TWO categories; **1) Fundamental & Applied Research, 2) Innovation & Technology.**

POSEEE 2026 promises to provide an engaging and dynamic environment for postgraduate students to showcase their research, connect with peers, and contribute to advancements in the field of electrical and electronic engineering.



PROGRAMME SCHEDULE

Monday, June 15th 2026

Venue: UTHM-SENA Lab, Block QB, FKEE

Masa	Butiran	Tempat
8:30 pagi	Pendaftaran peserta	UTHM – BK1, BK2 & SENA Traffic Lab
8:45 pagi	Taklimat penjurian	
9:00 pagi – 10.00 pagi	Pembentangan poster dan sesi penjurian	
10.00 pagi – 11.00 pagi	Sesi Perasmian POSEEE 2026 • Kata alu-aluan KJ JPSS • Ucapan perasmian Ybrs Dekan FKEE • Penyampaian sijil juri • Penyampaian sijil peserta	
11:00 tgh – 12:00 tengah hari	Pembentangan poster dan sesi penjurian	
12:00 tengah hari – 1:00 petang	Pengiraan markah penjurian	
1:00 petang – 2:00 petang	Rehat	
2:00 petang – selesai	Majlis penyampaian hadiah bersama FKEE FEST 2026	Foyer Blok QB, FKEE

POSTER PRESENTATION

Monday, June 15th 2026

Time: 9:00 am – 12:00 pm

Venue: UTHM-SENA Lab, Block QB, FKEEE

Jury Group	Juror
JR1	Prof. Ir. Dr. Mohammad Faiz Liew bin Abdullah
	Prof. Ir. Dr. Fauziahanim binti Che Seman
JR2	Prof. Dr. Muhammad Mahadi bin Abdul Jamil
	Prof. Madya Dr. Samsul Haimi bin Dahlan
JR3	Prof. Madya Ir. Ts. Dr. Mohd Razali bin Md Tomari
	Prof. Dr. Mohd Khairul bin Ahmad
JR4	Prof. Ir. Dr. Soon Chin Fhong
	Puan Zarina binti Tukiran

Board#	Jury Group	Participant	Title	Category
F1	JR1	Siti Norhafizah Binti Idris (HE250018)	Comparative Study of Coil Materials in Inductive Wireless Power Transfer System for EVs	Fundamental & Applied Research
F2	JR1	Cempaka Amalin Binti Mahadzir (GE250027)	Development Of An Artificial Neural Network Model For Photovoltaic Power Output Prediction In Tropical Climate Conditions	Fundamental & Applied Research
F3	JR4	Shafiah Aienn Binti Ahmad Ridauddin (HE250033)	Performance Evaluation of Resource Allocation in Massive MIMO Systems	Fundamental & Applied Research
F4	JR1	Shazleen Binti Ahmad Ramli (GE230032)	Artificial Photosynthesis: Photocatalytic CO2 Reduction Reactor (PCRR)	Fundamental & Applied Research
F5	JR1	Frederick Ting Toh Nih (GE250020)	The Optimization of MoS_2-Doped TiO_2 Composite for Methylene Blue Degradation	Fundamental & Applied Research
F6	JR1	Nurathirah Binti Mohd Azizan (HE240036)	The Optimization of Molten Salt Synthesis Parameters for High-Purity Ti_3AlC_2 MAX Phase	Fundamental & Applied Research
F7	JR2	Siti Aisyah Binti Mohd Termizi Hulaimi (HE250014)	Plasma Characterization Using Optical Emission Spectroscopy (Oes) For CO_2 Gas Decomposition Application.	Fundamental & Applied Research
F8	JR2	Nurul Azura Binti Ab Halim (HE240022)	Performance Analysis of a 4-Stage Interleaved Marx Topology Boost Converter for Input Current Ripple Reduction	Fundamental & Applied Research
F9	JR2	Abdullahi Bukar (GE240010)	Auxiliary Energy Management for Hybrid Shipboard Power Systems Using a Fuzzy Logic–H_∞ Controller	Fundamental & Applied Research

Board#	Jury Group	Participant	Title	Category
F10	JR2	Izza Izzany Binti Mohd Idris (GE240037)	Maternal Healthcare Monitoring Using Artificial Intelligence and Internet of Things: A Comprehensive Review	Fundamental & Applied Research
F11	JR3	Nur Aini Dian Pratiwi (HE220011)	Controlling Leakage In Silicon Photodiodes: The Role Of Diffusion Temperature	Fundamental & Applied Research
F12	JR3	Iffan Darwis Bin Mohd Ibrahim (HE230007)	AIoT-Driven Ecohydrology To Monitor Water Quality Index To Preserve Lakes Biodiversity	Fundamental & Applied Research
T1	JR3	Mohd Hazlan Zakaria (GE210014)	A Data - Driven Optical Characterization Approach for Malaysian Honey Authenticity Assessment Using ANN-OP Classification	Innovation & Technology Development
T2	JR3	Natasya Salsabiila (HE240014)	Orientation-Controlled Aluminum Nitride Thin Films with Wafer-Scale Uniformity via Industrial-Grade RF Sputtering	Innovation & Technology Development
T3	JR3	Nadiah Binti Kamaruzaman (GE240025)	Automated Classification of Human Identification for Malaysian Population	Innovation & Technology Development
T4	JR4	Abdiladif Mohamed Ali (HE250011)	AI Based fault detection and classification for residential rooftop pv systems in Somaliland using simulation data	Innovation & Technology Development
T5	JR4	Muhammad Syazwi Bin Rohisham (HE250027)	An AI-Driven Automatic Number Plate Recognition (ANPR) System for Intelligent Campus Access Management	Innovation & Technology Development
T6	JR4	Muhammad Harith Jazmi Bin Mohd Jamil (HE250026)	-TBA-	Innovation & Technology Development
T7	JR4	Muhammad Sukriyllah Bin Yusri (GE250033)	Analysis of Double-Negative Metamaterial Effects on Wireless Power Transfer Performance	Innovation & Technology Development

ORGANIZING COMMITTEE

Peranan	Pelaksana
Patron	Prof. Ts. Dr. Asmarashid Bin Ponniran
Advisor I	Prof. Ir. Dr. Erwan Bin Sulaiman
Advisor II	Prof. Madya Dr. Nabihah @ Nornabihah Binti Ahmad
General Chair	Dr. Intan Sue Liana Binti Abdul Hamid
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Journal Reviewer	Dr. Nik Shahidah Afifi Binti Md Taujuddin **(K)**
Journal Editor	Dr. Rahmat Bin Talib **(K)**
Prize Winner	Dr. Norshidah Binti Katiran **(K)** Cik Nur Shahila binti Salim
Certificate (Participant and Winner)	Prof. Madya Ir. Dr. Audrey Huong **(K)** Pn Nur Farahana Binti Azman
Registration	Prof Madya Ir. Dr. Abd Kadir Bin Mahamad **(K) EECLIPS**
Protocol & Media	Prof. Madya Dr. Nurmiza Binti Othman **(K) EECLIPS**
Special Tasks	En Dzulfitry Ameen Bin Iskandar **(K)**

ORGANIZER

Department of Postgraduate Studies

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IoT

Internet of Things Focus Group