

Researcher's Information

Name: Assoc. Prof. Ir. Dr. Mohd. Khairil Rahmat

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Expertise: Electrical Power System Reliability, Smart Grid Technology, Power System Integration, Uninterruptible Power Supply Systems, Renewable Energy System Integration.



Publication Links

Google Scholar : <https://scholar.google.com/citations?user=WaMx57QAAAAJ&hl=en>

ResearchGate : (optional)

SCOPUS ID : (optional)

ORCID : (optional)

Grants

No	Grant Name	Project Title	Member/ Leader	Value (RM)	Year
1.	UniKL STRG	Optimal Placement of Flexible AC Transmission System (FACTS) Devices in Transmission Network for Online Voltage Stability Enhancement	Leader	RM 20,000	2018 - 2021
2.	FRGS	The Optimal Location of STATCOM and BESS in Smart Grid System for Voltage Stability Improvement using PSO Adaptive Neural Network Hybrid Algorithm	Member	RM 90,000	2017 - 2019
3.	UniKL Research Cluster	Renewable Energy Research Cluster	Leader	RM 20,000	2018
4.	Gov.-linked Uni. (GLU)	Sustainable Power Generation by Hybrid Solar Thermal and PVT/FC Integrated with Battery Storage	Leader	RM 100,000	2018 - 2020

Current Supervision

<i>No</i>	<i>Level</i>	<i>Name</i>	<i>Main/ Co SV</i>	<i>Title</i>
1.	PhD.	Kevin Hor Chun Wah	Main	Enabling policies and legislation schemes to enable Building Energy Intensity (BEI) disclosure using a proposed normalization factor for office building operational hours
2.	PhD.	Ahmad Zaki Abdul Karim	Main	Evaluation of Photovoltaic Power System Reliability
3.	PhD.	Mohamad Shaiful Osman	Co SV	Real-time Petri Net Synthesis and verification Algorithm for Hybrid Process Plant
4.	PhD.	Azman Ab Malik	Co SV	New Topology of Energy Harvesting Method in Renewable Energy using Wind 200-OWP in Ducting System
5.	Master	Mohammad Afiq Abdul Rahman	Co SV	Flexible AC Transmission System (FACTS) Devices in Transmission Network

Professional Memberships

1. Board of Engineers Malaysia (BEM); Professional Engineer with Practising Certificate (Electrical)
2. Institution of Engineering & Technology (IET) UK; Chartered Engineer
3. Engineering Council, UK (ECUK); Chartered Engineer CEng
4. ASEAN Professional Engineer; Professional Engineer (Electrical)
5. Institution of Engineers Malaysia (IEM); Corporate Member
6. Institute of Electrical & Electronics Engineer (IEEE); Member