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PERSONAL INFORMATION

Name	:	Mohd Fakhizan bin Romlie
IC No/Passport	:	810711-02-5111
Staff No	:	126234
Grade	:	MA1
Academic Position	:	Lecturer
Department	:	Electrical & Electronics Engineering
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Photo	:	

QUALIFICATION

No	Level of qualification	University	Year of Graduate	Specialization or Area of Expertise
1	Doctor of Philosophy (PhD)	University of Nottingham	2014	Power System
2	Master of Engineering	University of Western Australia	2006	Power System
3	Bachelor of Engineering (Hon)	Universiti Teknologi PETRONAS	2004	Electrical & Electronics Engineering

## PUBLICATION LIST

- [1] M. F. Romlie, M. Rashed, C. Klumpner, and G. M. Asher, "An Analysis of Efficiency Improvement with the Installation of Energy Storage in Power Systems," in *7th IET International Conference on Power Electronics, Machines and Drives (PEMD 2014)*, 2014, pp. 0521–0521.
- [2] M. F. Romlie, C. Klumpner, M. Rashed, M. Odavic, and G. Asher, "Analysis of stability aspects of a large constant power load in a local grid," in *2013 15th European Conference on Power Electronics and Applications (EPE)*, 2013, pp. 1–11.
- [3] R. Jegatheesan, N. Mohd Nor, and M. F. Romlie, "Power Flow Solution Using Impedance Parameters," *Int. J. Power, Energy Artif. Intell.*, vol. 1, no. 1, pp. 56–60, 2008.
- [4] R. Jegatheesan, N. Mohd Nor, and M. F. Romlie, "Piecewise Power Flow Solution Using Impedance Parameters," *Int. J. Power, Energy Artif. Intell.*, vol. 1, no. 1, pp. 50–55, 2008.
- [5] R. Jegatheesan, N. Mohd Nor, and M. F. Romlie, "Newton-Raphson power flow solution employing systematically constructed Jacobian matrix," in *2008 IEEE 2nd International Power and Energy Conference*, 2008, pp. 180–185.
- [6] D. Purwanto, H. Agustiawan, and M. F. Romlie, "The Taguchi-neural networks approach to forecast electricity consumption," in *2008 Canadian Conference on Electrical and Computer Engineering*, 2008, pp. 001941–001944.
- [7] M. F. bin Romlie, M. F. Pesol, and K. N. M. Hasan, "PWM technique to control speed of induction motor using Matlab/xPC target box," in *2008 IEEE 2nd International Power and Energy Conference*, 2008, pp. 718–721.
- [8] K. N. M. Hasan and M. F. Romlie, "Comparative study on combined series active and shunt passive power filter using two different control methods," in *2007 International Conference on Intelligent and Advanced Systems*, 2007, pp. 928–933.
- [9] M. F. Romlie and A. Zainal Abidin, "FREEMIND FOR THE TEACHING AND LEARNING OF ELECTRICAL MACHINES," in *Conference of Teaching and Learning in Higher Education*, 2007.
- [10] T. T. Nguyen and M. F. Romlie, "Numerical Directional Overcurrent Protection," in *Australasian Universities Power Engineering Conference, Melbourne, Australia*, 2006, p. CD ROM:p TS24.3.

### STUDENT SUPERVISION

No	Name (Student ID)	Enrollment year	Level of Qualification	Status	Remarks/Highlights
1	Mohd Tirmidzi Norazman -7710	Dec 2009	Degree	Graduated	Lightning Protection Designing Tool
2	Ashraf Azizi Aziz – 7689	Dec 2009	Degree	Graduated	Power Factor Correction Device for Domestic Application
3	Hafizuddin Razali – 6998	Jun 2009	Degree	Graduated	Micro Linear Generator with Levitational Rotor
4	Mohd Khairi Tahar - 6886	Jun 2009	Degree	Graduated	Single Phase Induction Motor Control
5	Mohd Hakim Mohd Nor – 7100	Jun 2009	Degree	Graduated	Three Phase Induction Motor Control
6	Lokman bin Abd Rahim – 6477	Dec 2008	Degree	Graduated	Lightning Protection Designing Tool
7	Luqman Radzuan – 6464	Dec 2008	Degree	Graduated	Hybrid Charger for Mobile Phone
8	Nor Azizi bin Azizan – 5188	Dec 2007	Degree	Graduated	Modelling and Simulation of High Voltage Direct Current Transmission System
9	Nor Shahira bt Md Isa – 5200	Dec 2007	Degree	Graduated	Optimal Power Flow Formulation Based on Newton Raphson Method
10	Aminatun bt Daud - 5127	Dec 2007	Degree	Graduated	Power Factor Improvement for CUFGE Power Plant
11	Mohammad Fadhil Pesol -4142	Dec 2007	Degree	Graduated	The Speed Control of Induction Motor Using PWM Technique with XPC Target
12	Muhammad Nuruldin Ahmad - 4105	Jun 2007	Degree	Graduated	Numerical Directional Overcurrent Protection

### WORK EXPERIENCE

No	Position / Company Name	Major Responsibilities	From (year) – To (year)
1	Trainee Lecturer – Universiti Teknologi PETRONAS	Tutor	2004-2005
2	Lecturer – Universiti Teknologi PETRONAS	Teaching, Supervision, Research and Consultancy	2006 - present

## TEACHING EXPERIENCE

No	Courses Name	Program	Year of Standing
1	Electrical Machines	Electrical & Electronics Engineering	Year 3 Sem 1
2	Network Analysis	Electrical & Electronics Engineering	Year 2 Sem 1
3	Engineering Math 3: Differential Equation	Electrical & Electronics Engineering	Year 1 Sem 1

## RESEARCH EXPERIENCE

No	Research / Project Title Electrical Machines	Funded/ Non-funded (RM)	Funding agencies	Duration (Year)		Research Level	Major Output	Remarks
				From	To			
1	Impact of Energy Storage on the Stability and Transmission Efficiency of a Remote Grid (Leader)	Funded	Islamic Development Bank (IDB)	2010	2014	International	PhD Thesis Conferences Paper	
2	Power Flow and Optimal Power Using Impedance Matric (Member)	No	(None)	2008	2009	International	Journal & Conference Paper	
3	Electricity Consumption Forecasting Using Neural Network(Member)	Non-Funded	(None)	2008	2009	International	Conference Paper	
4	Development of Electrical Safety and Operability Review (ELSOR) Tool (Member)	Funded	Petronas Group Technology Solution	2008	2010	National	Product Commercialized	
5	PWM Technique to Control Speed of Induction Motor using Matlab XPC target (Leader)	Non-Funded	None	2008	2009	International	Conference Paper	
6	Freemind for Teaching and Learning of Electrical Machines (Leader)	Non-Funded	None	2006	2007	National	Conference Paper	
7	Comparative Study on Combined Series Active and Shunt Passive Power Filter Using Two Different Control Method	Non-Funded	None	2007		International	Conference Paper	
8	Numerical Directional Overcurrent Protection	Non-Funded	None	2005	2007	International	Conference Paper	

### RECOGNITION/ AWARD/STEWARDSHIP

No	Recognition	Level	Type	Rewarding Body	Year
1	Islamic Development Bank Merit Scholarship	International	Scholarship	Islamic Development Bank	2010-2014
2	Bronze Medal	International	Creativity	The Belgian and International Trade Fair for Technological Innovation	2007
3	Silver Medal	National	Creativity	ITEX	2008

### RECOGNITION/ AWARD/STEWARDSHIP

No	Membership	Level	Position	Body	Year
1	Member	International	Member	IEEE	2007-present
2	Graduate Member	National	Member	IEM	2008-present
3	Member	National	Member	BEM	2006-present

### MEMBERSHIP IN MISSION ORIENTED RESEARCH (MOR)

No	Membership MOR	Area
1	Hybrid Energy System (HES)	Power System, Energy Efficiency, Stability Analysis