

**DR. TITIK KHAWA ABDUL RAHMAN***Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Power System Engineering	University of Malaya	1998
BS	Electronic and Electrical Engineering	Loughborough University, UK	1988

**Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>(Chair, Full or Coordinator, etc.)</i>	<i>Part Time or Full Time</i>
1999	2008	Universiti Teknologi MARA	Associate Professor	Several Posts.		Full Time
2008	2011	Universiti Teknologi MARA	Professor	Dean of Faculty of Electrical Engineering		Full Time
2012	2013	National Defence University Malaysia	Professor	Director, Centre for Academic Dev.		Full Time
2013	Date	King Abdulaziz University	Professor			Full Time

**Non Academic Experience (including Consultations)**

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position</i>	<i>Description</i>	<i>Full or Part Time</i>
				<i>(Brief)</i>		

**Funded Research Projects and Patents from the Past Five Years****Certifications and Professional Registrations****Current Membership in Professional Societies and Organizations**

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
1. Institute of Electronic and Electrical Engineers (IEEE)	Senior Member	2000
2. Power and Energy Society (PES), Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	2007
3. Education Society (EdSoc), Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	2007
4. Women in Engineering (WIE), Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	200
5. Academy for Islamic Science Malaysia	Member	1989
6. International Muslim Women Union	Member	2005

**Honors and Awards**

1. Silver Medal, Inventions, Innovations and Designs (IID) 2009, UiTM, Malaysia.
2. Bronze Medal, 19th International, Invention and Technology Exhibition (ITEX), K. Lumpur, Malaysia, 2008.
3. Gold Medal and 2 Bronze Medal, Inventions, Innovations and Designs (IID) 2008, UiTM, Malaysia.

**Institutional and Professional Services** (*administration, committees, units, etc.*)

1. Chairman, Malaysian Council of Engineering Deans (MCED), 1 Jan – 31 May 2011.
2. Committee Member, Malaysia Discipline-Based Rating System (D-Setara) for Engineering Cluster, 1 May 2011 – 31 Dec 2012.
3. Executive Committee, Women In Engineering Affinity Group, Malaysia Chapter, 2013.
4. Executive Committee, IEEE Power and Energy Society Malaysia Chapter, 2012 & 2013.
5. Chair, IEEE Women In Engineering Affinity Group, 2012.
6. Universiti Tenaga Nasional Panel Reviewer for Academic Promotions, May 2012 – 31 Dec 2013.

**Principal Publications/Presentations from the Past Five Years**

1. S. I. Sulaiman, T. K. A. Rahman, I. Musirin, S. Shaari, K. Sopian, “An Intelligent Method for Sizing Optimization In Grid-connected Photovoltaic System,” *Solar Energy* (86), 2012, pp. 2067-2082.
4. Z. M. Yasin, T. K. A. Rahman and Z. Zakaria, “Optimal Least Squares Support Vector Machines Parameter Selection In Predicting The Output of Distributed Generation,” 16th International Conference on Mathematical and Computational Methods In Science and Engineering (MACMESE ‘14), 23-24 April 2014
6. E. E. Hassan, T. K. A. Rahman, A. M. Mahros, M. M. Tharwat and Z. Zakaria, “Adaptive Tumbling Bacterial foraging Optimization for Sustainable Economic Load Dispatch,” 12th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing, 10 – 12 December 2013, Budapest, Hungary.
7. N. A. Abdul Rahman, T. K. Abdul Rahman and Z. Zakaria, “Active Load and Loss Allocation In Transmission Line with Line Outage Condition Via Cuckoo Search Technique,” 2013 IEEE SCORed, 16 – 17 December 2013, Kuala Lumpur, Malaysia.
8. D. Johari, T. K. A. Rahman, I. Musirin, N. Aminudin, “Application of Meta-Evolutionary Programming In ANN-Based Lightning Prediction System,” *The International Review of Electrical Engineering (IREE)*, Volume 5, Issue 4, July 2010, Pages 1824-1832.
9. S. I. Sulaiman, T. K. A. Rahman, I. Musirin, S. Shaari, “An Artificial Immune-Based Hybrid Multi-layer Feedforward Neural Network for Predicting Grid Connected PV System Output,” *Energy Procedia*, 00 (2011) 000-000, ISSN:1876-6102.

**Recent Professional Development Activities** (*Workshops, training, etc.*)

1. “ABET Accreditation for Better Teaching and Learning” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
2. “Assessment of Engineering Professional Skills” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
3. “Role of Instructors In The Accreditation Process” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, April 2014
4. “Lab Experience” ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, May 2014
5. Teaching Saudi Students, King Abdulaziz University, September 2013.