

Dr. TITIK KHAWA ABDUL RAHMAN

Professor, Dept. of Electrical and Computer Engineering, Faculty of Engineering Girls Campus, 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
MS	-		
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 (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
1989	1999	UniversitiTeknologi MARA	Lecturer		Full Time
1999	2008	UniversitiTeknologi MARA	Associate Professor	Head of Programme, Coordinator of Science and Technology, Head of Power Engineering Division, Deputy Dean (Resource and Students), Head of Academic Quality Management	Full Time
2008	2011	UniversitiTeknologi MARA	Professor	Dean of Faculty of Electrical Engineering	Full Time
2012	2013	National Defence University Malaysia	Professor	Director, Centre for Academic Development	Full Time
2013	current	King Abdulaziz University	Professor		Full Time

Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
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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)	Member	Since 2000 – Dec 2006
2.	Institute of Electronic and Electrical Engineers (IEEE)	Senior Member	Since Jan 2007 - current
3.	Power and Energy Society (PES), Institute of Electrical and Electronics Engineers (IEEE)	Member	Since 2000 – Dec 2006
4.	Power and Energy Society (PES), Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	Since Jan 2007 - current
5.	Education Society (EdSoc), Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	Since 2007 - current

6.	Women in Engineering (WIE), Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	Since 2007 - current
7.	Academy for Islamic Science Malaysia	Member	Since 1989
8.	International Muslim Women Union	Member	Since 2005

Honours and Awards

1.	1 Silver Medal, Inventions, Innovations and Designs (IID) 2009, UiTM, Malaysia.
2.	1 Bronze Medal, 19 th International, Invention and Technology Exhibition (ITEX), K. Lumpur, Malaysia, 2008.
3.	1 Gold Medal and 2 Bronze Medal, Inventions, Innovations and Designs (IID) 2008, UiTM, Malaysia.
4.	Excellent Service Award, UniversitiTeknologi Mara, 2007.
5.	1 Bronze Medal, 18 th International, Invention and Technology Exhibition, K. Lumpur, Malaysia, 2007.
6.	1 Silver Medal, Inventions, Innovations and Designs (IID) 2007, UiTM, Shah Alam.
7.	Best Volunteer Award IEEE Malaysia Section, 2007.
8.	Excellent Service Award, UniversitiTeknologi Mara, 2005

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.	UniversitiTenagaNasional Panel reviewer for academic promotions, May 2012 – 31 Dec 2013.
7.	Academic Panel for B.Eng in Industrial Electronic, UTM Razak School, Malaysia, September 2011.
8.	Panel of consultant for Diploma in Electrical Engineering, UniversitiTeknikal Melaka, Malaysia, Sept 2011.

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," <i>Solar Energy (86)</i> , 2012, pp. 2067 - 2082.
2.	Z. M. Yassin, T. K. A. Rahman , Z. Zakaria, 'Optimal sizing of DG by using Quantum-Inspired Evolutionary Programming' The 4th Int. Power Engineering and Optimization conference (PEOCO 2012)-23-24 June 14
3.	E. E. Hassan, T. K. A. Rahman , Z. Zakaria, "Improved Adaptive Tumbling Bacterial Foraging Optimization (ATBFO) for Emission Constrained Economic Dispatch Problem ", <i>Proceeding of Int. Conference on Electrical and Electronic Engineering</i> , 4 – 6 July 2012, London. ISBN: 978-988-19251-3-8.
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," <i>16th International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE '14)</i> , 23-24 April 2014
5.	Z. M. Yasin, T. K. A. Rahman and Z. Zakaria, "Optimal Undervoltage Load Shedding using Quantum-Inspired Evolutionary Programming," <i>IEEE TENCON Spring Conference</i> , pp. 337-341, 17-19 April 2013
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.	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," <i>Energy Procedia</i> ,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