

DR. MAKBUL A. M. RAMLI

Associate 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>
Dr.Eng	Energy	Nagaoka Univ. Tech., Japan	2005
MEng	Electrical Engineering	Institute of Tech. Bandung, Indonesia	2000
BS	Electrical Engineering	Tanjungpura University, Indonesia	1995

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Full or Coordinator, etc.)</i>	<i>Part Time</i>
2000	2006	Tanjungpura Univ.	Lecturer		Full Time
2006	2010	Univ. Teknologi Malaysia	Assistant Professor		Full Time
2010	2010	Univ. Teknologi Malaysia	Associate Professor		Full Time
2010	2013	Umm Al-Qura Univ.	Associate Professor		Full Time
2013	Date	King Abdulaziz Univ.	Associate Professor		Full Time

Non Academic 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>
2009	2010	Taibah University, Saudi Arabia	EE Consultant	Development of Engineering Labs	Part Time
2009	2010	Proton, Malaysia	Team member	Flagship Electric Vehicle Project	Part Time

Funded Research Projects and Patents from the Past Five Years

1. Fundamental Research Grant Scheme From Ministry of Higher Education, Malaysia, Novel High Switching Frequency Control Algorithm for Permanent Magnet Motor Drive, 2010–2012.
2. Umm Al-Qura University, Institute of Scientific Research, Research Project, Evaluation and Improvement of Hybrid PV/Diesel Energy System, 2012–2013.
3. King AbdulAziz University, Research Project, Developing a Low-cost Automated Dual-axes Sun Tracking System with Sand/Dust Detection and Removal Suitable for PV System In Saudi Arabia, 2013, Running.
4. King AbdulAziz University, Research Project, a Maximum Power Point Tracking Method using Differential Evolution for Partially Shaded Photovoltaic System, 2014, Running.

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 Electrical and Electronics Engineers, IEEE	Member	2006

Honors and Awards

1. Marquis Who's Who In The World, 2008 and 2009.
2. Bronze Medal, 11th Industrial Art and Technology Exhibition, UTM, 2009.
3. Bronze Medal, 9th Malaysia Technology Expo and Invention & Innovation Competition 2010 (MTE 2010), Kuala Lumpur, 2010.
4. Bronze Medal, 12th Industrial Art and Technology Exhibition, UTM, 2010.

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

1. Head of Basic Machines Lab, Energy Conversion Engineering Dept., Faculty of Electrical Engineering, Universiti Teknologi Malaysia, 2006 – 2010.
2. Committee Member, Preparation of Master Program, Power Sequence Committee, Electrical Engineering Department, Umm Al-Qura University, 2012.
3. Editor, Journal Elekrika, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, 2008-present.

Principal Publications/Presentations from the Past Five Years

1. M. Anwari and Sukarsan, "Performance Analysis of a Diagonal MHD Accelerator for Space Propulsion," IEEE Trans. on Plasma Science, vol. 3, no. 2, pp. 199-205, Feb 2010.
2. L. K. Yiew, M. F. M. Yousof, S. N. M. Arshad, Makbul Anwari, A. H. M. Yatim "Performance Analysis of Hybrid PV/Diesel Energy System Under Malaysian Condition," Energy, vol. 35, pp. 3245-3255, Jun 2010.
3. Makbul Anwari and A. Hiendro, "New Unbalance Factor for Estimating Performance of Three-Phase Induction Motor with Under-and Over-Voltage Unbalance," IEEE Trans. on Energy Conversion, vol. 25, no. 3, pp. 619-625, Sep 2010.
4. Makbul Anwari, Murtadza Md Dom and M. I. M. Rashid, "Small Photovoltaic Monitoring Software Design," Energy Procedia, vol. 12, pp. 586-592, 2011.
5. S. Twaha, M. H. Idris, Makbul Anwari and A. Khairudin, "Applying Grid Connected Photovoltaic System As Alternative Source of Electricity To Supplement Hydro Power Instead of using Diesel In Uganda," Energy, vol. 37, Issue 1, pp. 185-194, Jan 2012.
6. Makbul Anwari, Sukarsan, and N. Harada, "Numerical Analysis of MHD Accelerator with Nonequilibrium Air-Plasma," Plasma Science and Technology, vol. 14, no. 12, Dec 2012.
7. Makbul Anwari and A. Hiendro, "Performance Analysis of Hybrid PV/Diesel Energy System in Western Region of Saudi Arabia," Engineering, vol. 5, pp. 62-65. Jan 2013.
8. M. H. Ashourian, S. M. Cherati, A. A. M. Zain, N. Niknam, A. S. Mokhtar and Makbul Anwari, "Optimal Green Energy Management for Island Resorts in Malaysia," Renewable Energy, vol. 51, pp. 36-45, Mar 2013.

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

1. Workshop on Program Objective and Course Objective, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, Malaysia, May 2010.
2. Workshop on "An Appraisal and Evaluation of Energy Utilization and Efficiency In Saudi Arabia" KAUST, Saudi Arabia, May 2014.