

## **Résumé**

### **Eyad Radwan, B.Eng., M.Sc., PhD.**

Date of Birth: 28/10/1973

Gender: Male

Marital Status: Married

Citizenship: Jordanian

Address: Building 128, Philadelphia street, Al Hashmi Al shamali (11123)

Amman-Jordan

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Tele: 00962799194247 (mobile)

### **Qualifications**

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#### **Bachelor's Degree** Nov 1996

Jordan University of Science & Technology, Irbid Jordan

Electrical Engineering (Power and Machines)

#### **Master's Degree** Nov 1998

University Putra Malaysia, Serdang Selangor Malaysia

Electrical & Electronic Engineering

#### **Doctorate** Sep 2004

University Putra Malaysia, Serdang Selangor Malaysia

Electrical & Electronic Engineering

### **Academic (teaching) Experience**

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#### **2012-present Applied Science University, Amman Jordan**

Associate Professor, Electrical & Computer Engineering Department

Teaching: Advanced Control Systems, Automatic Control Systems, Digital (Computer) Control systems, Advanced Electric Machines, Electric Drives, and Operation and Control of Power System.

- 2005-2009**      **UCSI University, Cheras Kuala Lumpur Malaysia**  
Associate Professor, Electrical & Electronic Engineering  
Teaching: Power and Energy systems, Electric Machines,  
Power Systems Analysis.
- 2002-2005**      **UCSI University, Cheras Kuala Lumpur Malaysia**  
Senior lecturer, Electrical & Electronic Engineering  
Teaching: Power and Energy systems, Electric Machines,  
Power Systems Analysis, Digital Systems, Instrumentation  
and Measurements.
- 1999-2002**      **UCSI University, Cheras Kuala Lumpur Malaysia**  
Part Time Lecturer, Electrical & Electronic Engineering  
Teaching: Analogue Electronics,

### ***Administrative Appointments***

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- 2009-2011**      **UCSI University, Marang Terengganu Malaysia**  
Chief Operating Officer: Terengganu Campus
- 2007-2009**      **UCSI University, Cheras Kuala Lumpur Malaysia**  
Dean: Faculty of Engineering Architecture & Built  
Environment
- 2005-2007**      **UCSI University, Cheras Kuala Lumpur Malaysia**  
Head: School of Engineering.

### ***Professional Activities and University/ Departmental Appointments***

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#### *Accreditation Appointments*

- (1) Accreditation Panel, Monash University, Sunway campus, B.Eng.  
Electrical & Computer Systems, 18-20th May 2011
- (2) Member Accreditation Panel, University Technology Malaysia, B.Eng.  
Electrical & Electronics Engineering, 19-21st April, 2011

- (3) Member Accreditation Panel, University Teknikal Malaysia Melaka, B.Eng (Hons) in Electrical (Industrial Power), New Cycle, 21-23rd March, 2010
  - (4) Member Accreditation Panel, University Malaysia Perlis, B.Eng (Hons) Electronics & Communication, 19-22nd April, 2010
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#### *Reviewer & Editorial Appointments*

- (1) Reviewer, International Journal of Power Electronics (IJPELEC), 2009
  - (2) Reviewer, Power Electronics Applications in Modern Drives' POWERCOIN '08.
  - (3) Reviewer, International Conference on Intelligent & Advanced Systems 2007 (ICIAS2007)
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#### *University Appointments*

- (1) Member of UCSI University Management Team, UCSI University, March 2009- May 2011.
- (2) Member of UCSI University Senate, Quality Assurance & Enhancement Committee, UCSI University, March 2009- May 2011.
- (3) Member of the University Strategic Management Group, UCSI University, September 2007- February 2009.
- (4) Member of the University Academic Council (AC), UCSI University, April 2005- July 2007.
- (5) Member of the University Exam Board (UEB), UCSI University, April 2003 to April 2005.

#### **Research & Publications**

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- (1) Mutasim Nour, New Yen Ee, Eyad Radwan, "Sensorless Speed and Position Control of Permanent Magnet Synchronous Motors Using Hybrid High Frequency Signal Injection Method". Proceedings of the Third International Conference on Modeling, Simulation and Applied Optimization, January 20-22 2009, Sharjah,U.A.E.

- (2) Mutasim Nour, New Yen Ee and Eyad Radwan, "Improvements on the High Frequency Signal Injection Method for Permanent Magnet Synchronous Motors and its Application in the Hybrid Drive Position Control". 2nd IEEE International Conference on Power and Energy (PECon 08), December 1-3, 2008, Johor Baharu, Malaysia.
- (3) Mutasim Nour, Ishak Aris, Norman Mariun, Senan Mahmoud, and Eyad Radwan, "Adaptive Fuzzy PI Speed Controller Gains for Permanent Magnet Synchronous Motor". World Engineering Congress 2007, WEC2007, pp. 24-31, Penang, Malaysia, 5-9 August 2007.
- (4) E. Radwan, N. Mariun, I. Aris, S. M. Bash, and A. H. Yatim, "IRFOC induction motor with rotor time constant estimation modelling and simulation", COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, UK, pp.1093-1119, Vol. 24 No. 4, 2005.
- (5) E. Radwan, N. Mariun, S. Mahmud, I. Aris, A. H. Yatim, "Rotor Time Constant Estimation for IRFOC induction motor" Journal of Electrical Engineering, JEE, article 12 No.2, Vol. 4, 2004.
- (6) E. Radwan, N. Mariun, A. H. Yatim, S. M. Bash, and I. Aris, "Modelling of Induction Motor IRFOC with Online Estimation of Rotor Time Constant Using Simulink", Mahanakorn Engineering Transactions, Vol. 6, No. 1(14), Jan/June 2003.
- (7) NB Mariun, EM Radwan, M Ahmad, IB Aris, M. Ahmad, "Switched Mode Pulse Width Modulated DC-to-DC Converter For Electric Vehicle Application," Elekrika, Journal of Electrical Engineering, Vol.2, No. 2, Sept. 1999.
- (8) Eyad M Radwan, Norman Mariun, Mukhtar Ahmad, and Ishak Aris, "A DC-to-DC Converter Using Parallel Insulating Gate Bipolar Transistors For Electric Vehicle Application", World Engineering Congress 1999/ Sheraton Subang Jaya, Malaysia.

Other periodicals (in Engineering Education)

- (9) E. Radwan, " Electrical Engineering", DoctorJob, Definitive Guide to Finding the right Course and Career, GTI Specialist publisher Malaysia, Issue No. 7, June 2005, pp. 26-27.

## ***Seminar, Training & Workshops Attended***

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- (1) Two-day Blue Ocean Strategy Workshop, by Prof Kim Chan, Toronto, Canada, 26th & 27th February 2009.
- (2) New Literacy: Emerging Technologies for Learning, by the Extended Education, University of Manitoba, Canada 15th September 2008- 6th December 2008 (12 weeks).
- (3) Two-day Blue Ocean Strategy Workshop, by Luciano Pezzota, BOS practitioner 22nd & 23rd October 2008.
- (4) Half-day seminar on Accreditation expectations for Washington Accord 2008, by the EAC & Representatives from Washington Accord, 30th March 2008.
- (5) Regional Conference on Quality in Higher Education, by the Quality Assurance Management Unit, University Malaya, 10th -11th December 2007.
- (6) Two-day Workshop on Accreditation of Engineering Programmes, Seri Pacific Hotel, K.L. Malaysia, by, the Engineering Accreditation Council (EAC), 28th -30th January 2007.
- (7) Two-day Workshop on "Engineering Programmes Accreditation Manual 3rd edition" by, the Board of Engineers Malaysia, 4-6th March 2005.
- (8) Distinguished Lecture Programme on "Current Issues and Problems in Distributed Generation" by Joseph L. Koepfinger, UPM, Malaysia, 2 October 2003
- (9) One-day Colloquium on "Should Engineering Educators Practice Engineering?" by, the Institute of Engineers Malaysia, 30 April 2003.
- (10) Two-day (IEEE Power Engineering) Tutorial on "VSC-Based FACTS Controllers: Modelling and Applications" by, Dr. Kalyan K. Sen, UPM, Malaysia, 2-3 October 2002
- (11) Two-day (IEEE Power Engineering) Tutorial on "Design and Analysis of Power Converters" by Professor Muhammad H. Rashid, UPM, Malaysia 18-19 July 2002

## ***Skills***

### *Computer and IT Skills*

I have a strong track record in all functions relating to knowledge of MATLAB/Simulink/Powersim, Assembly Language PIC16FXX and Orcad/PSpice.

### *Interpersonal Skills*

I am a methodical, organised person who is able to lead and come up with new ideas and solutions. I possess excellent communication skills in English and Arabic. I am able to cope under pressure with any problem that occurs in the area for which I am responsible. Above all, I enjoy meeting people and working with others as a leader or a team member.

### ***Professional Memberships***

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**Panel Member** (Jan 2010 to 2011)

Engineering Accreditation Council, Malaysia

**Member** (Dec 1996)

Board of Engineers Jordan, Electrical Engineering Chapter

### ***Recognition***

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**Certificate of Appreciation** (Jul 1999)

Certificate of Appreciation for excellence in services rendered in organizing the University's 12th Convocation.

**Certificate of Recognition** (Sep 2003)

Certificate of appreciation awarded for contribution to the aquatic environment (by Malaysian Reef Conservation, MARC)

**Certificate of Recognition** (Sep 2007)

Certificate of Appreciation for the contribution to the aquatic environment.

Redang Island (Malaysia) clean up day, awarded by Project AWARE (Aquatic World Awareness, Responsibility and Education).

**Long Service Award** (Jun 2009)

Long Service Award in recognition of my services and contribution to UCSI University from 1999 to 2009.

### ***Volunteering Work***

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**Participant** (Sep 2003 to Sep 2003)

Malaysia Reef Conservation (MARC)

Terengganu Malaysia

**Participant** (Sep 2007 to Sep 2007)

AWARE (Aquatic World Awareness, Responsibility and Education)

Terengganu Malaysia

### ***Interests***

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Open Water Diving, Travelling and meeting people

### ***References***

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Available upon request