

Curriculum Vitae

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1 Personal Data

Name	Abdulrahman F. Almarshoud; <i>Consultant Engineer and associate professor in Electrical Engineering</i>
Date and Place of Birth	Saudi Arabia - Buraydah, 1965
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2 Academic Degrees

Degree	Major	Institute	Date
Bsc	Electrical Engineering	King Saud University, Riyadh	1990
Msc	Electrical Engineering	King Saud University, Riyadh	1997
Phd	Electrical Engineering	King Saud University, Riyadh	2004

3 Specialization and Areas of Concern

Major	<i>Electrical Engineering</i>
Minor	<i>Electrical Machines & Power Electronics</i>
Fields of Interest	<i>Electrical Machines, Power Electronics, Wind Energy, Solar Energy, Engineering Education</i>

4 Career Record

Job	Work Place	Date
Dean	College of Engineering-Qassim University	July 2011 - June 2015
Acting Dean	College of Architecture, design and planning	Dec 2011 - Dec 2013
V. Dean for Quality Assurance	College of Engineering-Qassim University	Oct 2010 - July 2011
V. Dean for Academic affairs	College of Engineering-Qassim University	Dec 2004 - Oct 2010
EE Dept. Head	College of Engineering-Qassim University	Nov 2004 - June 2015
Director of renewable energy master program	College of Engineering-Qassim University	May 2014 - till now

5 Administrative work and Committees

1 - Member of the Committee of the appointment of teaching assistants and lecturers at the University of Qassim since 25/10/1427 - 25/4/1435

2 - Member of the Academic Development Committee at the University of Qassim since 24/4/1426 AH for a period of two years

- 3 - Member of the Committee of plans and curricula in Qassim University since 25/1/1427 AH for a period of two years.
- 4 - Member of the Committee of preparing the implementation rules for study and examination system in Qassim University since 10/2/1429 AH
- 5 - Member of the posts and forums student committee in Qassim University since 17/11/1431 AH for one year.
- 6 - Member of the job positions replacement committee in Qassim University since 7/4/1431 AH for one year
- 7 - Member of the housing system committee in Qassim University, since 10/6 / 1431 AH up to now
- 8 – Head of the cooperative training committee for preparing the follow-up and evaluation system at Faculty of Engineering since 17/4/1432 AH up to now.
- 9 - Head of the quality and accreditation committee in the College of Engineering since 11 / 6 / 1429 AH up to now.
10. Supervising on the college of engineering website.
- 11 - Member of the plans and curricula in the College of Engineering since 4/11/1430 AH up to now.
- 12- Chairman of the drafting team of the Strategic Plan College of Engineering at the University of Qassim
- 13- Supervising the preparation of master's programs in civil engineering and mechanical engineering at the University of Qassim
- 14- Chairman of the drafting team Master of Electrical Engineering at the University of Qassim
- 15- Chairman of the drafting team Master renewable energy engineering at the University of Qassim
- 16- Member of the Council of Graduate Studies at the University of Qassim in the period from 10/02/2013 to now
- 17- Member of the Advisory Committee for the Deanship of community service in the period from 02/29/1435 to now
- 18- Member of the Board of Trustees of Buraidah private colleges from Jun 2014 till now
- 19- Director of the master program of renewable energy engineering at the University of Qassim.

6

Membership of Scientific Associations

- 1- Membership of Saudi council of Engineers (Consultant Engineer # 149420)
- 2- Membership of Association of Energy Engineers AEE (Senior Engineer # 100500)

7

Teaching Activities

EE 201	Electrical circuits
EE 331	Electrical machines - I
EE 330	Electrical machines -II

EE 400	Senior design project
GE 213	Intro. to Engineering Design-1
GE 211	Intro. to Engineering Design-2
EE 440	Electrical Design of industrial systems
EE 301	Signals and Systems Analysis
GE 209	Programming in C
EE 432	Power Electronics
EE 483	Principles of Photovoltaic Systems
GE 405	Coop Training

8 **Symposia and Workshops**

- 1 - Workshop entitled "An active learning approach to engineering education for the 21st century" at the University of Qassim from 25 to 27 March 2006.
- 2 - Workshop on " Nano-Technology and prospects of their use in the industry "in Rabat, Moroco from 20 to 21 September 2006.
- 3 - Workshop" Engineering Education "organized Saudi Council of Engineers – Riyadh, Jumad Awal, 1426.
- 4 - Workshop in Engineering Design at University of King Fahd, Dhahran 13 - 14 Rabi Awal, 1427.
- 5 - Workshop entitled "Quality Assurance at the programmatic level" in Jeddah, from 3-4/3/ 1427.
- 6 - Workshop within the project of the future plan of higher education in the Kingdom (the center of engineering education) in Jeddah Jumad awal 427.
- 7- participation in the “Engineering Learning Outcomes Workshop” that held on January 7th, 2012 at Qiyas Headquarter. Riyadh.
- 8 - Participation in the 19th meeting of GCC Engineering colleges deans , which was held in the city of Al Ain in the United Arab Emirates during the period from 3-4/6/1434
- 9 -Participation in the 20th meeting of GCC Engineering colleges deans ,, which was held in the city of Riyadh during the period from 3-7/6/1434

9 **Training Courses**

- 1 – Diploma of International Federation in Nero Linguistic Programming INLPTA,9-14 May 2005
- 2- Training course in management capacity development at the University of Qassim 11-15 Rabi Thani 1428.
- 3 – Training course "Introduction to technology to faculty members" at the University of Qassim 7-115 March 1429.
- 4 – Training course "Applications of SPSS program in scientific research" at the University of Qassim inanimate 13-14, 1429
- 5 - Workshop on "integrating information technology and communication in teaching university" in the King Saud University in Riyadh from 29 / 5 /1429 to 1/6/1429
- 6 – Training course entitled "Introduction to Engineering Design Using the Active Learning Approach" in Cairo from 2-27 August, 2008.

- 7 – Training course in e-learning entitled "RAPTIVITY" at the National Centre for e-Learning - Riyadh from 10-12 November 1429.
- 8 – Training course in e-learning entitled "Optimizing your E-Learning Strategy" at the National Centre for e-Learning - Riyadh from 24-25/11/ 1429.
- 9 – Training course entitled "Decision Making and Problem Solving for Leaders" in Dubai from 25 - January 28, 2009.
- 10 - Preparation of trainers (Trainer) at the King Abdul Aziz University - Jeddah, from 3-8/8/1430.
- 11 – Training course entitled "Leading Strategic Change in Higher Education" in the Brunel University - London 10 to 14 August 2009.
- 12 – Training course in e-learning entitled "System Bridges to Learning Management (LMS)" at the National Centre for e-Learning - Riyadh from 20-21 Rabi Thani 1431.
- 13 - Training course in e-learning on "global open educational resources" within the activities of the Second International Conference of electronic education and distance education in 17/3/1432 - Riyadh.
- 14 - Training course in CoRT program for thinking learning in Debono center for thinking learning, Amman, 8-11 August 2011.
- 15 - Training course for Certified Trainer in CoRT program for thinking learning in Debono center for thinking learning, Amman, 12-13 August 2011.
- 16 - A training program entitled "Quality Assurance in Higher Education Programs" in Britain during the period from 17-23 June 2012 and the program included visiting a number of British universities.
- 17 - A training program in the field of atomic and renewable energy in France during the period from 16-21 June 2013 and the program included visiting a number of research centers and stations, nuclear and renewable energy in France.
- 18 - A training course entitled "The financial and economic analysis for renewable energy projects" in New York City during period from 26-30/8/2013
- 19- A training course entitled "Introduction to Feasibility Analysis of Clean Energy Projects" on March 2014 by Clean Energy Institute of GPEKS, Canada
- 20- A training course entitled "4MAT instructor training course" in Qassim University during period from 13-17April 2014 by About Learning Inc.
- 21- A training course entitled "GEMBA KAIZEN" in Tokyo during period from 19-23 May 2014 by KAIZEN Institute.
- 22- A training course entitled "Feasibility Analysis of Solar Photovoltaic Projects" on September 2014 by Clean Energy Institute of GPEKS, Canada.

- 1 - Participate in a conference "The IEEE Aegean Conference on Electrical Machines and Power Electronics" held in Kohadashi - Turkey during in May 2001.

- 2 - participate in a conference "The IEEE International Conference on Electronics, Circuits and Systems", held in Sharjah - United Arab Emirates in December 2003.
- 3 - Participate in a conference "The IEEE Aegean Conference on Electrical Machines and Power Electronics (Acemp)" held in Istanbul - Turkey in May 2004.
- 4 - Participate in a conference "The 8th International Conference on Modeling and Simulation on Electric Machines, Converters and Systems (ELECTRIMACS 2005)" which was held in Hammamat - Tunisia in April 2005.
- 5 - Participate in a conference "STCEX)) The 3rd Saudi Technical Conference and Exception", which was held in Riyadh in December 2004.
- 6 - Attend the conference "The first Baha Technical Meeting" held in Baha, Saudi Arabia in May 2004.
- 7 - Attendance and participation in the management of the Conference "The International Conference on Engineering Education (ICEE2006)", held in Buraydah during March 2006.
- 8 - Attend the Conference "The first Saudi Engineering forum" held in Dhahran in May 2006.
- 9 - Attend a conference "The GCC Power 2007" held in Dubai in November 2007.
- 10 - Attend the conference "The first International conference for e-learning and distance learning", which was held in Riyadh in March 2009.
- 11 - Participate in the conference "(IEEC 2010) International Engineering Education Conference", held in the city of Antalya in Turkey from 4 to 6 November 2010.
- 12 - Participate in the "Fifth International Forum on Engineering Education (IFEE2010)" which was held in the city of Sharjah - United Arab Emirates from 23 to 25 November 2010.
- 13 - Attend the conference "The second International conference for e-learning and distance learning ", which was held in Riyadh in February 2011.
- 14 - Attend the "ALL- Energy Conference 2013" which was held in Aberdeen city in UK during the period from 22-23/5/2013
- 15- Attend the conference " SPIE Solar Energy + Technology 2014", which was held in San Diego, USA from 17-21/8/2014.

11

Publications

[1] A. F. Almarshoud et al., "Transient Performance of Series Connected Three Phase Slip-Ring Induction Motors", IEEE Transaction on Energy Conversion, Vol.EC-14 (4), 1998, pp.305-310.

[2] A. F. Almarshoud et al., " Transient analysis of Two Speed Synchronous Induction Motor", Proc. of the IEEE International Conference on Electric Machines and Drives (IEMD), Seattle, USA, May 1999.

[3] A. F. Almarshoud et al., "Including Effects of Cross-saturation and Leakage Path Saturation Together in The Generalized Model of Three Phase Induction Machine", Proc. of the IEEE Canadian Conference on Electrical and Computer Engineering, Toronto, Canada, May 2001.

- [4] A. F. Almarshoud et al., "Including Effects of Cross-saturation and Leakage Path Saturation Together in The Generalized Model of Three-Phase Induction Generator", Proc. of the IEEE Aegean Conference on Electrical Machines and Power Electronics, Kusadasi, Turkey, June 2001.
- [5] A. F. Almarshoud et al., "Control of Grid Connected Induction Generator Using Naturally Commutated AC Voltage Controller", Proc. of the IEEE Canadian Conference on Electrical and Computer Engineering, Toronto, Canada, May 2001.
- [6] A. F. Almarshoud et al., "Performance of Grid Connected Induction Generator under Naturally Commutated AC Voltage Controller", Electric Power Components and Systems, Vol.32 (7), 2004.
- [7] A. F. Almarshoud et al., "A Novel Pc-Based Firing Scheme For Static Converters Using High Level Language" Proc. of the IEEE International Conference on Electronics, Circuits and Systems, Sharjah, UAE, December 2003.
- [8] A. F. Almarshoud et al., "Analysis and Operation of Non-Isolated Three-Phase Induction Generator Controlled by Symmetrical Angle Technique", Proc. of the IEE International Conference on Computational Aspects and Their Applications in Electrical Engineering, Jordan, March 2004.
- [9] A. F. Almarshoud et al., "Analysis and Operation of Non-Isolated Three-Phase Induction Generator Controlled by a Transistorized ac Converter", Proc. of the IEEE Aegean Conference on Electrical Machines and Power Electronics (Acemp), Istanbul, Turkey, May 2004.
- [10] A. F. Almarshoud et al., "A PC-Based Cost-Effective Three Phase Firing Circuit for Power Electronics Applications " Proc. of the 8th International Conference on Modeling and Simulation on Electric Machines, Converters and Systems (ELECTRIMACS 2005), Hammamet, Tunisia, April 2005.
- [11] A. F. Almarshoud et al., "Analysis and Performance of 3-Phase Grid-Connected Induction Generator via Transistorized Ac Voltage Controller", Transactions on Systems, Signals & Devices Vol. 3, No. 2, 2008.
- [12] A. F. Almarshoud et al., "Voltage-Firing Control of Grid-Connected Induction Generator", Journal of Engineering and computer sciences , Qassim university, Vol. 2, No. 1, 2009.
- [13] A. F. Almarshoud et al., "Voltage Extinction-Angle Control of Grid-Connected Induction Generator", Journal of Engineering and computer sciences , Qassim university, Vol. 3, No. 1, 2010.
- [14] A. F. Almarshoud, "Applying a project based learning approach in senior design project" Proc. Of the International Engineering Education Conference (IEEC 2010), Antalya, Turkey, Nov. 2010.
- [15] A. F. Almarshoud et al., "Development Of A Control And Evaluation Strategy For The Coop Training Program at The College Of Engineering In Qassim University" Proc. Of the Fifth International Forum on Engineering Education (IFEE2010), Sharjah, UAE, Nov. 2010.

[16] A. F. Almarshoud, "The advancement in using remote laboratories in electrical engineering education: a review", European Journal of Engineering Education, UK, 2011, Available at: <http://dx.doi.org/10.1080/03043797.2011.604125>

[17] A. F. Almarshoud, "Developing a Rubric-Based Framework for Measuring the ABET Outcomes Achieved by Students of Electric Machinery Courses", The International journal of engineering education, Ireland, 2011, Vol. 27, No. 4, pp. 859-866.

[18] A. F. Almarshoud, "A Proposed Model for Applying the Problem-Based Learning (PBL) Approach in Engineering Schools", Journal of Engineering and computer sciences , Qassim University, Vol. 4, No. 2, pp. 173-182, June 2011.

[19] A. F. Almarshoud et al., "Analysis of the Electro-Mechanical Performance of Network-Connected Induction Generators Governed by Different AC Voltage Controllers" ", Journal of Engineering and computer sciences , Qassim University, January 2011, Vol. 4, No. 1, pp. 41-61.

[20] A. F. Almarshoud, et. al., "Derating of Synchronous Motors Fed from Polluted Supply", Journal of Engineering and computer sciences , Qassim University, Vol. 6, No. 2, 2013.

[21] A. F. Almarshoud, et. al., "Optimization of the Performance of a Grid-Connected Induction Generator", Journal of King Abdul-Aziz University-Engineering Sciences, Vol. 25 No.1, pp: 33-51, 2014.

[22] A. F. Almarshoud, et. al., " Intelligent Green House Application Based Remote Monitoring for Precision Agricultural Strategies: A Survey", Journal of Applied Sciences 07/2015; 15(7):947 - 952. DOI:10.3923/jas.2015.947.952