

# Michel E. ALSHARIDAH

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Kuwait City, Kuwait | 08 March 1971  
ADDRESS: P.O. Box 33010, 73320, Rawdha, Kuwait  
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## WORK EXPERIENCE

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<i>Current</i> MARCH 2013	Assistant Professor - Electrical Engineering Tech. Dept. <i>College of Technological Studies, PAAET, Kuwait</i> Courses offered: Machines, Power system Transmission, Power Electronics, Drive systems, and Automatic Control.
SEPT 2007 Feb 2013	Lecturer - Electrical Engineering Tech. Dept. <i>College of Technological Studies, PAAET, Kuwait</i> Taught courses on electrical machines, machine control, power systems, power electronics. Coordinator of the ABET certification committee for the department of electrical engineering technology. Headed the department's research committee and a member of the college research committee.
MARCH 2012 June 2012	Lecturer, Kuwait University, Khaldiya, Kuwait Developed material, program, and lectured in the intensified orientation course for ministry of electricity and water <b>Training Program for the Ministry of Electricity and Water UD engineers</b> : Lectures include smart grid, power line carrier communication, power electronics, synchronous generators, installations, and induction machines.
SEPT 1999 Aug 2002	Instructor - Electrical Engineering Tech. Dept. <i>College of Technological Studies, PAAET, Kuwait</i> Taught courses in electric power, electric machines, electronics, and digital systems, basic electronics, electronic devices, digital Systems, electronic Circuits I, introduction to computers, electric instruments-Measurement, circuits I, installations (Kuwait Code), power electronics, electric Machines I electric Machines II. Also designed and taught special courses for the ministries of energy, transportation, and public works and Kuwait National Petroleum Company.
OCT 1995 Sept 1997	Marketing Officer <i>Independent Petroleum Group, Jabriya, Kuwait</i> Duties included drafting contracts, monitoring operations (shipping) and breakeven analysis for spot and term contracts. Regions covered was Singapore, South Asia, East Africa, and the Mediterranean.

## EDUCATION

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FEB 2013	Doctor of Philosophy in ELECTRICAL & COMPUTER ENGINEERING, <b>University of British Columbia</b> , Vancouver, British Columbia, Canada.
MAY 1999	Masters of Science in ELECTRICAL & COMPUTER ENGINEERING <b>Portland State University</b> , Portland, Oregon, USA
MAY 1995	Bachelor of Science in ELECTRICAL & COMPUTER ENGINEERING, <b>University of Arizona</b> , Tucson, Arizona, USA. GPA: 3.4/4

## PUBLICATIONS

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1. A. K. Al-Othman, K. M. El-Naggar, and M. E. AlSharidah, "On-line estimation of transmission line parameters using synchronized measurements," *Electric Power Components and Systems*, vol. 44, no. 2, pp. 233–239, 2016.
2. A. Al-Othman, M. AlSharidah, N. A. Ahmed, and B. N. Alajmi, "Model predictive control for shunt active power filter in synchronous reference frame," *Journal of Electrical Engineering & Technology*, vol. 11, no. 2, pp. 405–415, 2016.
3. A. K. Al-Othman, N. A. Ahmed, M. E. AlSharidah, K. M. El-Naggar, B. N. Alajmi, "Experimental Implementation of PEM Fuel Cell Powered DC Motor for Vehicle Applications," *Journal of Engineering Research* 4 (3), 2016.
4. A. K. Al-Othman, N. A. Ahmed, F. S. Al-Fares, and M. E. AlSharidah, "Parameter identification of pem fuel cell using quantum- based optimization method," *Arabian Journal for Science and Engineering*, vol. 40, no. 9, pp. 2619–2628, 2015.
5. M. AlSharidah, N. A. Ahmed, and A. K. AlOthman, "Negative sequence injection for islanding detection of grid interconnected distributed generators," in *Electrical Power and Energy Conference (EPEC), 2014 IEEE*, Nov 2014, pp. 267–274.
6. A. Al-Othman, N. A. Ahmed, M. AlSharidah, and H. A. AlMekhaizim, "A hybrid real coded genetic algorithm – pattern search approach for selective harmonic elimination of PWM ac/ac voltage controller," *International Journal of Electrical Power & Energy Systems*, vol. 44, no. 1, pp. 123 – 133, 2013.
7. M. E. AlSharidah, "An active method for implementing the unintentional islanding test in distributed generation systems" Ph.D. dissertation, University of British Columbia, 2012.
8. M. E. AlSharidah, W. G. Dunford, and W. Feng, "A new representation of the unintentional islanding test resonant function," in *INTELEC 2009 - 31st International Telecommunications Energy Conference*, Oct 2009, pp. 1–6.

## HONORS, RECOGNITION

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- Global Sustainable Assessment System - Certified Green Professional
- Ministry of Higher Education Award for in ABET accreditation.
- Award from Kuwait University for presenting lectures on smart grid, power electronics, synchronous generator, machines AC and DC, power line communication, and installations.
- Top 5% of Master's course
- Ministry of Education Scholarship
- Public Authority of Applied Education and Technology Masters Scholarship

## ACTIVITIES

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- Member of IEEE
- Member of IEEE Power Energy Society
- Member of IEEE Power Electronics Society
- Member of Gulf Organization for Research & Development GSAS program
- Member of Tennis BC
- Support Unicef
- Support BCSPCA

## AREAS OF RESEARCH

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- Power Electronics
- Electric Drives
- DG Power conditioning
- interconnection of Renewable Energy
- IEEE standard 1547: Interconnection of DG with EPS

## LANGUAGES

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ARABIC: Mothertongue  
ENGLISH: Fluent  
FRENCH: Basic Knowledge  
SPANISH: Basic Knowledge

## COMPUTER SKILLS

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Expert Knowledge: MATLAB, PSIM, C, C++, LINUX, ubuntu, L<sup>A</sup>T<sub>E</sub>X, Excel, Word, PowerPoint  
Intermediate Knowledge: JAVASCRIPT, HTML, mySQL, Access, VBA

## INTERESTS AND ACTIVITIES

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Tennis, Swimming  
Technology, Open-Source, Programming  
reading, writing