

CURRICULUM VITAE



Dr. Jamal S. F. Alsumait

College of Technological Studies
Electrical Engineering Department
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Academic Qualifications:

- **PhD Electrical Engineering**, *University of Southampton-United Kingdom, Oct. 2010.*
- **M. Sc. Electrical Engineering**, *Kuwait University -Kuwait, Nov. 2003.*
- **B. Sc. Electrical Engineering**, *University of Miami-USA, Aug. 1990.*

Employment:

- May 1991- April 1992: Maintenance and Buildings Department- Ministry of Education. Maintenance Engineer.
- April 1992- June 1997: Institute of Telecommunications and Marin- Public Authority for Applied Education and Training. Trainer.
- June 1997- Now: College of Technological Studies- Public Authority for Applied Education and Training. Assistant Professor.

Positions:

- Head section assistant, Electrical Engineering Department, College of Technological Studies, Public Authority for Applied Education and Training. 01/04/13 – 31/03/17.
- Head of Electrical Unit, College of Basic Education, Public Authority for Applied Education and Training. 31/05/11 – 31/03/17.

Awards:

- International Computer Driving License (ICDL) 2005.

Teaching Experience:

- Basic Electronics & Electricity.
- Electrical Insulations.
- Electrical Measurements.
- Kuwait Electrical Regulations.

- D.C. Machines.
- Electrical Drawing.
- Engineering Drawing.

Research Interest:

- Electrical Machines Control.
- Application of heuristic optimization techniques to power systems.
- Renewable Energy.
- Economic Dispatch.

Publications:

- 1) Mohamed Zribi, Muthana Alrifai and Jamal Al-Sumait (2003) A Dynamic Sliding Mode Control Scheme for a Synchronous Reluctance Motor. In: *WSEAS 3rd conference*, 1-3, September 2003, Malta. ISBN: 960-8052-90-4
- 2) El-Naggar, K.M., Al-Othman, A.K., and Al-Sumait, J.S. (2006) A Particle Swarm Digital Identification of Synchronous Machine Parameters from Short Circuit Tests. In: *Artificial Intelligence and Soft Computing (ASC 2006)*, 28-30, August 2006, Palma De Mallorca, Spain.
- 3) Alsumait, J. S., Sykulski, J. K. and Alothman, A. K. (2007) Application of Pattern Search Method to Power System Economic Load Dispatch. In: *Third IASTED Asian Conference Power and Energy Systems*, 2-4 April 2007, Phuket, Thailand.
- 4) Al-Sumait, J. S., AL-Othman, A. K. and Sykulski, J. K. (2007) Application of pattern search method to power system valve-point economic load dispatch. *International Journal of Electrical Power & Energy Systems*, 29 (10). pp. 720-730. ISSN 0142-0615
- 5) Al-Sumait, J. S., Sykulski, J. K. and Al-Othman, A. K. (2008) Solution of Different Types of Economic Load Dispatch Problems Using a Pattern Search Method. *Electric Power Components and Systems*, 36 (3). pp. 250-265. ISSN 1532-5008
- 6) Alsumait, J. S., Sykulski, J. K. (2009) Solving Economic Dispatch Problem using Hybrid GA-PS-SQP Method. In: *EUROCON 2009*, proceedings pages: 352-356, 18-23 May 2009, Saint Petersburg Russia.
- 7) Alsumait, J. S., Sykulski, J. K. and Al-Othman, A. K. (2010) A hybrid GA-PS-SQP method to solve power system valve-point economic dispatch problems. *Applied Energy - Elsevier*, 87 (5). pp. 1773-1781. ISSN 0306-2619
- 8) Al-Sumait, J., Qasem, M., Sykulski, J. K. and Al-Othman, A. K. (2010) An improved Pattern Search based algorithm to solve the Dynamic Economic Dispatch problem with valve-point effect. *Energy Conversion and Management*, 51 . pp. 2062-2067. ISSN 0196-8904

- 9) Alsumait, J. S., (2012) Developing a Dynamic Economic Dispatch Model: The West Doha Power Station Case in Kuwait. *Power and Energy Systems (AsiaPES 2012)*, 2-4 April 2012, Phuket, Thailand.

Memberships:

- League of PAAET Trainers.
- League of PAAET Teachers.
- Union of PAAET employees.