

## Dr. Mounir Bouzguenda

Associate Professor



### Personal Data:

Nationality | Tunisia  
Date of Hire | 2012  
Date Rank Obtained | March 2009  
Department | Electrical Engineering  
Email | mbuzganda@kfu.edu.sa  
Office No | 2112  
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### Education:

Academic Degree	Major	specialty	Place of Issue	Address	Date
Doctorate (PhD)	Electrical Engineering	Power Systems	Virginia Tech	Blacksburg, Virginia	September 1992
Masters (M.Sc.)	Electrical Engineering	Power Systems	Virginia Tech	Blacksburg, Virginia	January 1988
Bachelor (B.Sc.)	Electrical Engineering	-	Pennsylvania State University	State College, Pennsylvania	May 1985

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions):

PhD	A methodology to study the interactions of renewable energy systems dynamics with fluctuating loads
Master	A Study of the Combined Cycle Power Plants as Generation Expansion Alternatives

### Experiences:

Title of Job	Address of Work	Country	Date	
Associate Professor	King Faisal University - College of Engineering	KSA	From	2012
			To	Present
Electrical Engineering Department, Chair	King Faisal University, College of Engineering	KSA	From	2015
			To	2019
College Quality Unit Chair	King Faisal University College of Engineering	KSA	From	2015
			To	2019
Associate Professor	Sultan Qaboos University College of Engineering	Oman	From	2009
			To	2012
Senior Lecturer	Sohar University Faculty of Engineering	Oman	From	2000
			To	2009

Faculty Accreditation Unit (EDEXEL)	Sohar University Faculty of Engineering	Oman	From	2000
			To	2009
Assistant Professor	University of Sfax, Faculty of Engineering	Tunisia	From	1997
			To	2000
Assistant Professor	Capitol Technology University Department of Electrical Engineering	USA	From	1994
			to	1997

#### Research Interests:

1. Electric Power Systems Optimization
2. Electric Smart Grids
3. Renewable Energy Systems
4. Power Electronics for Solar PV Systems

#### Publications:

#	Author(s)	Publication Title	Publisher and Publication Date	Publication Link
1	Mounir Bouzguenda & Tarek Selmi	Review of DC-AC converters for photovoltaic conversion chains	International Journal of Power Electronics and Drive Systems 12 (2), 886	<a href="#">Click Here</a>
2	Mounir Bouzguenda, S Raja Mohamed, MH Shwehdi, A Aldalbahi	Solar powered smart irrigation system based on low cost wireless network: A senior design project experience	The International Journal of Electrical Engineering & Education	<a href="#">Click Here</a>
3	Mounir Bouzguenda, MH Shwehdi, R Mohamedi, QM Aldoghan	Performance of the 10-kW KFU Grid Connected Solar Photovoltaic Station Al Hasa, KSA	2019 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS)	<a href="#">Click Here</a>
4	Arif S Malik, Mounir Bouzguenda	Effects of smart grid technologies on capacity and energy savings—A case study of Oman	Energy Volume 54, 1 June 2013, Pages 365-371	<a href="#">Click Here</a>
5	M.H. Shwehdi, Rajamohamed and Mounir Bouzguenda	Lightning and Protection of Electric Power and Railroad Systems	LAP LAMBERT Academic Publishing (2017-10-16)	<a href="#">Click Here</a>
6	Mounir Bouzguenda, Tarek Selmi, Adel Gastli, Ahmed Masmoudi	Microcontroller-based inverter topology integrated in PV systems	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34 Issue 1, pp.132 – 150, 2015	<a href="#">Click Here</a>
7	Mounir Bouzguenda, A Samadi, S Raja Mohamed	Optimal placement of distributed generation in electric distribution networks	2017 IEEE International Conference on Intelligent Techniques in Control	<a href="#">Click Here</a>



Language Proficiency:

1. Arabic
2. English
3. French