

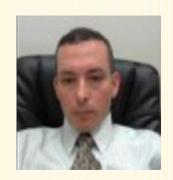


# Dr. Aly Ahmed Aboulnaga

**Assistant Professor** 

### Personal Data:

Nationality | Egypt
Date of Hire | 29/11/2013
Date Rank Obtained | November, 2013
Department | Electrical Engineering
Email | aaboulnaga@kfu.edu.sa
Office No | 2110 - building 11
Office Phone No | 0135898867



#### Education:

Academic Degree	Major	specialty	Place of Issue	Address	Date
Doctorate (PhD)	Electrical	Power Electronics	Illinois Institute Of Technology	Chicago, USA	2004
Doctorate (FIID)	Engineering	and drives	illinois ilistitute Of Technology		
Masters (M.Sc.)	Electrical	Power Electronics	Mansoura University	Mansoura,	2000
iviasters (ivi.sc.)	Engineering	and drives	iviansoura Offiversity	Egypt	
Bachelor (B.Sc.)	Electrical	Power Electronics	Mansoura University	Mansoura,	1997
Dacifelof (B.SC.)	Engineering	and drives	ivialisoura Offiversity	Egypt	

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

	PhD	Analysis and Experimental Validation of a Single-Phase Bridge Converter with By-Pass Thyristor Technique
Master		Generalized Theory of Magnetic Integration for Power Electronic Converters

#### Experiences:

Title of Job	Address of Work	Country	Date	
Assistant professor, Electrical	Electrical College of Engineering, KSA		From	2013
Engineering	King Faisal University	KSA	То	2021
Senior design engineer	Philips Electronics North	USA	From	2009
Senior design engineer	America		То	2013
Electrical design engineer	Philips Electronics North	USA	From	2004
(Automotive Solid State Lighting)	America		То	2009





#### **Research Interests:**

- 1. Power Electronics and Motor Drives
- 2. Solid State Lighting
- 3. Electromagnetic compatibility
- 4. Renewable Energy resources
- 5. Power System

#### **Publications:**

#	Name of author(s)	Title of Publication	Publisher and Date of Publication	Link of Publication
1	A. A. Aboulnaga and R. Miller	Lighting driver and housing having internal electromagnetic shielding layer configured for direct connection to circuit ground," US Patent No. 9,920,909, Granted in 2018 for Philips Electronics.	2018	Click Here
2	A. A. Aboulnaga	Distributed solar network for air ventilation in the hybrid vehicles," 2nd International Conference and Exhibition on Automobile Engineering, Valencia, Spain, Sept. 2016, pp. 122-126.	2016	Click Here
3	A. A. Aboulnaga	Current Limiting Controlling for Power Supply, e.g. LED Driver, Having Automatic Reset," US Patent No. 2,329,578, Granted in 2014 for Philips Electronics.	2014	Click Here
4	A. A. Aboulnaga	Illumination Device with Electrical Variable Scattering Element," US Patent No. 8,471,498, Granted in 2012, for Philips Electronics.	2012	Click Here
5	A. A. Aboulnaga	Low Voltage Electronic Module Interface," US Patent No. 8,125,244, Granted in 2011, for Philips Electronics.	2011	Click Here

## Language Proficiency:

- 1. Arabic
- 2. English
- 3. French