



# Mahmoud Ibrahim Masoud

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## Education

PhD, Electrical Engineering, Heriot-Watt University, Scotland, UK, 2003

## Academic Experience

Alexandria University (on leave), Prof. of Electrical Engineering (2016 - present)  
Alexandria University (on leave), Associate Prof. of Electrical Engineering (2009 - 2016)  
Beirut Arab University Associate Prof. of Electrical Engineering (2009 - 2012)  
Strathclyde University, Research Fellow (2007 - 2009)  
Alexandria University, Assistant Prof. of Electrical Engineering (2003- 2009)

## Non-Academic Experience

## Certifications or Professional Registrations

Fellow Higher Education Academy, FHEA

## Current Membership in Professional Organizations

Senior member IEEE

## Honors and Awards

- 1-] Recognition for scientific and research excellence during 2017 -2018 , University Day May 2018, SQU.
- 2-] Recognition for Chairing college social activity committee May 2018, May 2017, May 2016

## Service Activities

- 1-] IEEE Oman Educational officer

## Selected Publications

- 1-] “Real-time Gating Signal Generation and Performance Analysis for Fully Controlled Five-phase, 10-pulse, Line-commutated Rectifier,” IET Transaction on Power Electronics, Vol. 11, no. 4, April 2018, pp. 744 – 754.
- 2-] “A Shunt Active Power Filter for a Medium-Voltage Twelve-pulse Current Source Converter using Open Loop Control Compensation”, IEEE Transaction on Industrial Electronics, Vol. 61, no. 11, November 2014, pp. 5840 – 5850.
- 3-] “Calculation of Derating Factors Based On Steady-State Unbalanced Multiphase Induction Machine Model Under Open Phase(s) and Optimal Winding Currents”, Electric Power Systems Research, EPSR,



Elsevier, Vol. 106, January 2014, pp. 214 – 225.

4-] “Medium-Voltage 12-pulse Converter: Output Voltage Harmonic Compensation using a Series APF”, IEEE Transaction on Industrial Electronics, Vol. 61, No. 1, January 2014, pp. 43 – 52.

5-] “ Writing a laboratory report for senior electrical engineering courses: Guidelines and recommendations” IEEE Global Engineering Education Conference (EDUCON), Athens, Greece, 25 – 28 April 2017, pp. 340 – 346

### **Professional Development Activities**

1-] Training workshop “How to define, assess, and teach critical thinking skills in your discipline Critical Thinking” Center of excellence in teaching and learning and college of engineering, SQU. May 2017

2-] Training workshop Introduced by “How to use alternative teaching methods to ensure student development of critical process skills” Center of excellence in teaching and learning and college of engineering, SQU. May 2017

3-] Training workshop, “Introduction to CDIO, Rethinking Engineering Education”, Introduced by College of Engineering, SQU, May 2016