Curriculum Vitae

PERSONAL INFORMATION

Surname	**ABUABIAH**
Name	**MOHAMMAD IBRAHIM FAREED**
Address	**Nablus, Westbank, Palestine**
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Nationality	**Palestinian**
Date of birth	**28,04,1990**

Education

Date (2015-2019)	**Doctor of Philosophy (PhD)**
Name of University	Politecnico Di Torino, Torino (TO), Italy.
Duration of the program of study	3 years
PhD Curriculum Topic	Data-driven control system design with application to automotive problems
Title of qualification awarded	PhD in Computer and Control Engineering
Date (2013-2015)	**Master of science (MSc.)**
Name of University	Politecnico Di Torino, Torino (TO), Italy.
Duration of the program of study	2 years
Principal subjects/occupational skills covered	Mechatronics systems, electronics, mechanics, electrical drives, automatic controls, computers and information sciences.
Title of qualification awarded	Master of science degree in Mechatronics Engineering
Final mark obtained	110 / 110 with Honour (Excellent)
Date (2008-2013)	**Bachelor**
Name of University	An-Najah National University, Nablus, West Bank, Palestine
Duration of the program of study	5 years
Principal subjects/occupational skills covered	Mechatronics systems, technologies-computer, software, advanced control, sensors and actuators.
Title of qualification awarded	Bachelor's degree in Mechatronics Engineering
Final mark obtained	3.60 / 4.00 (Very Good)
Date (2007-2008)	**General Examination Board**
Name of School	Qadri Tuqan Sec. Boys School, Amman street, West Bank, Palestine
Duration of the program of study	1 year
Principal subjects	High School Education
Title of qualification awarded	Certificate of general secondary education examination
Final mark obtained	94.8% (Excellent)

Work experience,

Date (January 2019 – Present)	**Assistant Professor**
Name and address of firm	An-Najah National University – Nablus – Palestine
Type of business or sector	Mechanical and Mechatronics Engineering department.
Date (Oct.2016 – Dec.2018)	**Teaching assistant**
Name and address of firm	Politecnico Di Torino – Torino - Italy
Type of business or sector	Control Engineering department.

Certifications

Certifications of language knowledge	International English Language Testing System - 01/12/2012
Engineers Associations Council	Certificate from Palestine and Jordan Engineers Associations Council

Honours and Awards

Nov. 2015 – Nov. 2018	Politecnico Di Torino PhD scholarship
June 2016	Winner of Third Prize in "Innovation for Change 2016" challenge.
October 2015	Rank first as Ph.D. candidate in Computer and Control Engineering program
March 2015	1st place winner of one of the three Grants provided by FCA for the proposal's competition related to Automotive field (43000 €).
Sep. 2013 - Sep.2015	Erasmus Mundus scholarship
June - August 2012	IAESTE Internship, India

Stages

Date (February – November 2015)	**Master thesis Stage**
Name and address of firm	Fiat Research Center (Crf), Torino-Italy
Type of business or sector	Control and Automotive
Type of employment	Researcher
Main activities and responsibilities	o Improve the slipping speed and torque oscillation in Dual Dry Clutch o SIMULINK/MATLAB to test different control strategies. o Provide computational research support o Perform studies as related to research project
Date (March 2015 – Dec. 2015)	**Automotive Project**
Name and address of firm/Univ.	Fiat Chrysler Automoblies & Politecnico Di Torino, (TO) Italy
Type of business or sector	Control and Automotive
Type of employment	Design an Active/semi-active vibration isolation system for seat vehicle
Main activities and responsibilities	o Simulate the isolation performance of the proposed system. o SIMULINK/MATLAB to test different control strategies. o Build a prototype for experimental analyses. o Perform studies as related to research project.
Date (June – August 2012)	**IAESTE internship**
Name and address of university	Manipal Institute of Technology (MIT), Manipal-576104, Karnataka, India
Type of business or sector	Dept. of Instrumentation and Control Engineering
Type of employment	Research Assistant
Main activities and responsibilities	o Anti-Reset Windup scheme for PID controller o SIMULINK/MATLAB o Provide computational research support o Perform studies as related to research project

Short Period Training and workshop

Date (10 -16 July 2016)	**PhD Summer School (SIDRA)**
Name and type of organisation providing education and training	Universitario Bertinoro, Italy
Principal subjects/occupational skills covered	- Robust Constrained Control - Distributed Control

Date (20 January -20 June 2016)		**Innovation for Change (IFC), Geneva – Switzerland**
Name and type of organisation providing education and training		European Organization for Nuclear Research (**CERN**) , Scuola di Alta Formazione al Management di Torino (**SAFM**), Politecnico di Torino (**POLITO**)
Principal subjects/occupational skills covered		Entrepreneurship program to solve global environmental challenge by invent prototypes of product or services. Introducing the basis for the creation of new startups.
Date (12-14 July 2012)		**National Workshop on MATLAB and SIMULINK**
Name and type of organisation providing education and training		Department of ICE, Manipal Institute of Technology (MIT), Karnataka, India.
Principal subjects/occupational skills covered		MATLAB and SIMULINK basic principles and techniques.
Date (1 - 28 January 2011)		**PIC-C**
Name and type of organisation providing education and training		Korean Palestinian IT Institute of Excellence, An-Najah National University, Palestine
Principal subjects/occupational skills covered		Programming and practical applications of PIC microcontroller.

Personal skills and competences	
Mother tongue	**Arabic**
Other language(s)	
	English
• Reading	Excellent
• Writing	Excellent
• Speaking	Excellent
	Italian
	Elementary proficiency

Social skills and competences		o **Teamwork:** Working in a team with six members developing vibration isolation system. o **Multicultural environments**: Living three months in India, and five years in Italy. o **Public speaking:** I was the main presenter for different international conferences and competitions.
Organisational skills and competences		o I gave an advanced training course in 3Ds Max program, Engineers Without Borders, An-Najah National University. Dec. 2011-Dec.2012 o Association of Engineers Without Borders, Activity Coordinator, coordinate many activities in the Faculty of engineering such as workshops and other activities. July 2011-January 2013 o Community service at the University, Volunteer in Askar Camp Summer Club. June 2012-August 2012

Computer skills and competences		Windows	3Ds Studio Max	Office	MATLAB & SIMULINK	Adobe Photoshop	Latex
		Excellent	Excellent	Very Good	Very Good	Very Good	Good
		C/C++	Linux	AutoCAD	Fluid Simulation	Proteus ISIS	Ladder
		Good	Good	Good	Good	Good	Good

Artistic skills and competences		3D environment designer (http://mohkkf.wix.com/mohkkf-art)

Publications and articles submitted	
Author(s) and title	S.M. Fosson, *M. Abuabaiah* "**Recovery of binary sparse signals from compressed linear measurements via polynomial optimization**,"
Publication place and date	IEEE Signal Processing Letters, 30 May – 2019, (pp. 1070 – 1074).
Author(s) and title	V. Cerone, *M. Abuabaiah*, D. Regruto, E. Fadda "**A kernel-based nonparametric approach to direct data-driven control of LTI systems**,"
Publication place and date	18th IFAC Symposium on System Identification SYSID 2018: Stockholm, Sweden, 9–11 July 2018
Author(s) and title	V. Cerone, *M. Abuabaiah*, D. Regruto, "**A set-membership approach to Direct Data-Driven Control design for non-minimum phase plants**,"
Publication place and date	56th IEEE Conference on Decision and Control (CDC). IEEE, 12-December-2017.
Author(s) and title	V. Cerone, D. Regruto, and *M. Abuabaiah*, "**Set-membership identification of a dry-clutch transmission model**"
Publication place and date	IEEE Conference on Control Technology and Applications (CCTA). IEEE, 27-August-2017.
Author(s) and title	V. Cerone, *M. Abuabaiah* , D. Regruto, "**Direct data-driven control design through set-membership errors-in-variables identification techniques**"
Publication place and date	In American Control Conference (ACC), 2017 (pp. 388-393). IEEE.
Author(s) and title	I I.Thirunavukkarasu*, M.Abuabiah*, V.I.George. "**Anti-Windup Strategies for PI/PID Controllers -An Overview**"
Publication place and date	International Conference on Computation and Communication Advancement, JIS College of Engineering, Kalyani-West Bengal, India, 11th -12th January, 2013
Author(s) and title	I.Thirunavukkarasu, *Mohammed Ibrahim Fareed Abuabiah*, V.I.George & S.Shanmuga Priya, "**An Experimentation on Anti-Reset Windup Scheme for Level Process Station**"
Publication place and date	Sensors and Transducers, International Frequency Sensor Association (IFSA) – Vol.147, Issue: 12, P. No: 87-94. December 2012