

Ja'far Saifeddin Jallad

Citizenship : Palestinian • Date of birth : 02 Oct 1982

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Address

Al-motazah Street, Tulkarm, West Bank, Palestine

Academic Qualifications

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| 2014-2018 | PhD Degree in Power System (Electricity and Energy)
Department of Electrical Engineering
University of Malaya/Kuala Lumpur
PhD thesis: "LOAD SHEDDING SCHEME FOR ISLANDED DISTRIBUTION NETWORK CONSIDERING FLEXIBLE LOAD SELECTION AND POWER CHANGES "
Advisors: Prof. Dr. Saad Mekhelif /Prof. Dr. Hazlie Mokhlis |
| 2010-2012 | Master Degree in Clean Energy and Conservation Strategy, (Grade: Very Good).
An-Najah National University, Nablus, Palestine.
Master thesis "DESIGN AND SIMULATION OF A PHOTOVOLTAIC SYSTEM WITH MAXIMUM POWER CONTROL TO SUPPLY A LOAD WITH ALTERNATING CURRENT" |
| 2000 - 2005 | Bachelor in Electrical Engineering (Control and Power System), (Grade: 88.7).
Palestine Technical University, Tulkarm, Palestine.
A bachelor graduation project submitted in partial fulfillment of the requirements for the Degree of Bachelor of Electrical Engineering Entitled "DIGITAL SPEED AND DIRECTION CONTROL OF SEPARATELY EXITED DC MOTOR WITH PIC MICROCONTROLLER" |
| 1999-2000 | High school certificate (Al-tawjehi-scientific stream)
Al-fadiliya School, Tulkarm. |

Publications

- 1- Basim Alsayid, **Jafar Jallad**, "Modeling and Simulation of Photovoltaic Cells / Module/ Arrays", 2012, IJRRCSC©, Science Academy Publisher United Kingdom.
- 2- Alsayid, Basim A., Samer Y. Alsadi, S. Jallad Ja'far, and Muhammad H. Dradi. "Partial shading of PV system simulation with experimental results." Smart Grid and Renewable Energy 4, no. 06 (2013): 429.
- 3- Alsayid, Basim, **Jafar Jallad**, Muhammad Dradi, and Ola Al-Qasem. "Automatic irrigation system with pv solar tracking." Int. J Latest Trends Computing Vol 4, no. 4 (2013): 145.
- 4- Al-Qasem, Ola, and **Jafar Jallad**. "Experimental characterization of lead-acid storage batteries used in PV power systems." International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering 3, no. 4 (2014).
- 5- **Jallad, Jafar**, Saad Mekhilef, and Hazlie Mokhlis. "Frequency Regulation Strategies in Grid Integrated Offshore Wind Turbines via VSC-HVDC Technology: A Review." Energies 10, no. 9 (2017): 1244.
- 6- Badran, Ola, Hazlie Mokhlis, Saad Mekhilef, Wardiah Dahalan, and **Jafar Jallad**. "Minimum switching losses for solving distribution NR problem with distributed generation." IET Generation, Transmission & Distribution 12, no. 8 (2017): 1790-1801.
- 7- **Jallad, Jafar**, Saad Mekhilef, Hazlie Mokhlis, and Javed Ahmad Laghari. "Improved UFLS with

consideration of power deficit during shedding process and flexible load selection." IET Renewable Power Generation 12, no. 5 (2018): 565-575.

8- Jallad, Jafar, Saad Mekhilef, Hazlie Mokhlis, Javed Laghari, and Ola Badran. "**Application of Hybrid Meta-Heuristic Techniques for Optimal Load Shedding Planning and Operation in an Islanded Distribution Network Integrated with Distributed Generation.**" Energies 11, no. 5 (2018): 1-25.

Workshops

- ✓ "Smart Struxure Solution/Building Management System(BMS)" (January 11-15, 2014) Palestine Polytechnic University (PPU) – Hebron, Palestine in Cooperation with Schneider Electric
- ✓ "Installing PV & Experimental Energy Production PV System " (FEB 8-16, 2013) Politecnico Di Torino University – Torino, Italy in Cooperation with FP7 European Project
- ✓ PERA ("Palestine FOR European Research Area ")
- ✓ "Microcontroller :Embedded SoC based on ARM Technology " (December 2-6, 2012) Birzeit University – Ramallah, Palestine in Cooperation with French Consulate
- ✓ "Digital Signal Processing & Processor " (June 12-15, 2011) Palestine Polytechnic University (PTU) – Hebron, Palestine in Cooperation with IUT CACHAN, Paris – Sud 11 University, Palestine
- ✓ "Psoc microcontroller Programming" (2011) in IUT CACHAN, Paris – Sud 11 University-France
- ✓ "Signal Processing and Control with DSP" (April 10-14, 2010) Palestine Technical University (PTU) – kadoorie – Tulkarm, Palestine in Cooperation with IUT CACHAN, Paris – Sud 11 University, Palestine
- ✓ "Electrical Installation and Control System" (2005), Engineering AssociationJerusalem Center-Engineers Training Center, Tulkarm, Palestine
- ✓ "AutoCAD" (2004), Continuing Education Department (CED) from Palestinian Technical University (PTU) – kadoorie – Tulkarm, Palestine
- ✓ "Computer Maintenance" (2001), Continuing Education Department (CED) from Palestinian Technical University (PTU) – kadoorie – Tulkarm, Palestine
- ✓ Psoc microcontroller Programming in IUT CACHAN, Paris – Sud 11 University-France in 2011

Key Skills

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

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|---|--|
| ✓ PLC Devices. | ✓ Altium Designer (Printed Circuit Board "PCB"). |
| ✓ MATLAB-Simulink, PSIM software. | ✓ Proteus Professional "ISIS". |
| ✓ Microcontroller programming by C and assembly language. | ✓ AutoCAD. |
| | ✓ Flow Code. |
| | ✓ Pscad Software. |

Personal skills

Seeking a position that matches my ambitions and my motivated personality, to gain practical experience, acquire skills and professional training related to my qualifications which will help in achieving major goals and to be an active participant afterwards.

Personality:

- ✓ Highly developed research qualitative and analytical skills with a strong capacity to conduct independent research
- ✓ Demonstrated ability to develop goals, objectives and implement strategies through lesson planning and teaching experience
- ✓ Proven ability to conceptualise problems and develop well-reasoned and integrated solutions, as demonstrated throughout PhD and Honours research
- ✓ Working knowledge of MATLAB, PSCAD
- ✓ Working knowledge of Word, Excel, PowerPoint.

Work Experience

Palestine Technical University, Tulkarm.

October, 2018 until now

Senior Lecturer

- ✓ Lecturer: Microcontrollers, Protection Devices course, Digital Control course, Digital Electronics course.

University of Malaya, Malaysia.

November, 2014 to June,2015

Research Assistant, Department of Electrical Engineering

- ✓ Support in the creation of academic publication (editing and formatting)
Conference preparation
- ✓ Lab Demonstrator (Electronic, Communication, and Machine LAB)
- ✓ Preparing lab experiments; help students to implement lab experiments.

Palestine Technical University, Tulkarm.

August, 2012 to August,2014

Lecturer

- ✓ Lecturer: Protection Devices course, Digital Control course, Digital Electronics course.

Palestine Technical University, Tulkarm.

March, 2009 to August,2012

Control Lab Supervisor

- ✓ Lecturer: Pic Microcontrollers Lab, Digital electronics Lab, DC drive Lab, Control Lab.
- ✓ Preparing lab experiments; help students to implement lab experiments.

Secondary Vocation School, Tulkarm.

November, 2006 to April 2009

Teacher

- ✓ Teaching Physics for Tawjihi students;
- ✓ Assistance teacher in industrial electronics Lab;

OTIS Palestine Elevator Company - Ramallah

October, 2005 to October, 2006

Maintenance Department,

- ✓ Elevator installation, operating and maintenance.
- ✓ Managing maintenance files;

Binar Company -Ramallah

Internship

Maintenance Department

January, 2003 to August, 2003

- ✓ Installation and repair line products;
- ✓ Maintaining Machines;

Activities and Interests

Internet Surfing

Automobile Cars in general, sports cars, racing

Sport Soccer

Languages

Arabic (native)	English (Very Good,)
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References

Assoc.Prof. Basim AlSayid	Dean of the Faculty of Engineering and Technology, Palestine Technical University- Kadoorie. <i>Mobile: 00972599743999</i> basimbo@yahoo.com
Prof. Marwan Mahmoud	Department of Electrical Engineering. Faculty of Engineering , <i>An-Najah National University, Nablus, Palestine</i> <i>Mobile: 00972599288263</i>
Prof. HAZLIE BIN MOKHLIS	Department of Electrical Engineering. Faculty of Engineering, University of Malaya, Malaysia. hazli@um.edu.my .