

Zakariya Rajab Feetouri, lecturer



Lecturer

Electrical and Electronic Department

University of Benghazi

Email: zakreia.hassan@uob.edu.ly , zakariaragap@yahoo.com

Date of Birth: 16th may, 1984.

Phone Number: +218914850664, +218927290128

Nationality: Libyan

Address :Benghazi, Libya

EDUCATION:

- ❖ Master's of Science in Electrical Engineering, may 2013. University of Benghazi, Benghazi, Libya, GPA: 3.45/4.0.
- ❖ Bachelor's of Science in Electrical and Electronic Engineering, June 2007 University of Benghazi, Benghazi, Libya, GPA: 3.10/4.0.

WORK EXPERIENCE

- A head of electrical and electronic department faculty of engineering Benghazi university (Now)
- A Head of Energy Research Center – University of Benghazi (ERC – UOB) 1/1/2018 - up to now.
- Renewable energy research group (RERG) Electrical Engineering Department with Libyan company 5/1/2016 - up to now part time job.
- AGDABIA Engineering Departments Coordinator, University of Benghazi, Benghazi Libya.
- Lecturer, University of Benghazi (formerly Garyounis), Electrical Engineering Department, Libya, 22.5.2013 – up to now.

Teaching Electrical Engineering Courses, Renewable energy , Electronic Circuit, Electronic Circuit Lab, Power Utilization, and Power System Protection Laboratories and Supervising Final Year Projects.

- Assistant Lecturer, electrical technology college Benghazi, Electrical Engineering Department, Libya, 15.9.2013 – 30.10.2016.

Teaching Electrical Engineering Courses, Power Utilization Courses, Power Quality Courses, Renewable Energy Courses and Supervising Final Year Projects.

- Teacher assistant (TA), University of Benghazi (formerly Garyounis), Electrical Engineering Department, Libya, 1.10.2010 – 22.10.2013.

Tutoring and Demonstrating Basic Electricity , Power System Protection Laboratories and Electronic circuit lab.

- GECOL (General Electrical Company of Libya) 1.3. 2008 -1.5.2013.
- ABU-ATNEY Company for Soft Drinks, Bo-ATNEY, Benghazi, Libya 1.12. 2007 – 1.10.2008.

IT SKILLS

- M.S. Office,
- MATLAB , NEPLAN,
- Workbench(multisim),
- Photovoltaic applications software such as HOMAR, PV watts, PVSyst,
- RET screen,
- TRANsys.

LANGUAGE SKILLS

Arabic Language: Excellent (spoken & written)

English Language: Extensive English course, Academic Writing Course, Good (spoken), Very good (written).

Hobbies

Reading, Football, Swimming, and Road Cycling.

PROJECTS

- The Future of Centralized PV Power Plants in Libya :Alkfra Power Plant Case Study. (Under preparation 2018).
- The Impact of Rooftop Grid Connected PV System and Battery Storage in Libyan Network. (Under preparation 2018).
- Modeling and Simulation of 5- level H Bridge Inverter 2018.
- Networked Control of PV-Based DC Microgrid 2018.
- A Practical Design and Performance Evaluation of Nano-wind Turbines in Benghazi 2017.
- Economic Feasibility Study of Using Solar Water Heater and their effect in Libya network. 2017.
- Load Frequency Control System Through Smart Meters Controllable Load 2017.
- Optimal Location of Distributed Generation And Its Impacts on Voltage Stability In Benghazi 2016.
- Modeling and Simulation of Brushless DC Machine 2016. Undergraduate project.
- Performance Analysis of A Single Phase Ac Voltage Controller Under Induction Motor Load. Undergraduate Project .
- Evaluation of Distributed Generation Impacts on Distribution Networks.
- Modeling And Simulation of Stand-Alone PV System 2015. Undergraduate Project.
- Modeling and Simulation of DC/DC Converters 2015. Undergraduate project.
- Power Factor Correction Study For ABO-TRABA Desalination Plant. Master's Degree Thesis 2013.
- Phase Control Of Three Phase Supply Load" Bachelor's Degree Graduation Project2007.

SUBJECTS CAN BE TAUGHT BY THE CANDIDATE:

Circuit Theory - Electrical Machines -Power System Analysis - Transmission Line System Design - Power quality - Renewable energy - Programming by MATLAB - Power utilization - Technical Writing – Electronics - Power electronic. Besides, supervising labs.

PUBLICATIONS:

Also can be found on the following link of google scholar in which the publications are listed according to the citation of each conference/journal article

<https://scholar.google.com.ly/citations?user=p5dyfagAAAAJ&hl=en>

PUBLICATIONS UNDER REVIEW:

1. An Exact Method for Computing the Delay Margin for the Load Frequency Control System in Micro-grid (Journal paper).
2. Boosting the Growth of PV Technology in Libya: Feasibility Study on the Implementation of FiT (Journal paper).
3. Optimum Microgrid Planning and Operation for Improving Reliability and Power Quality(Journal paper).
4. Development of Renewable Energy Potential in Libya. (Conference paper).
- 5.

PUBLICATIONS:

1. Optimization of Small-Wind Turbine blades using Improved Blade Element Momentum Theory. **Wind Engineering journals.sagepub.com/home/wie**, 2018.
2. "Networked Control of PV-Based DC Microgrid" IREC 9th International Renewable Energy Congress, **Hammamet. TUNISIA, 20-22 March, 2018.**
3. "Experimentally Verification and Simulation of LFC System with Smart Meters" IREC 9th International Renewable Energy Congress, **Hammamet. TUNISIA, 20-22 March, 2018.**
4. "Practical Design and Performance Evaluation of Micro-Wind Turbine in Libya" IREC 9th International Renewable Energy Congress, **Hammamet. TUNISIA, 20-22 March, 2018.**
5. "Economic Feasibility, Design, and Simulation of Centralized PV Power Plant" IREC 9th International Renewable Energy Congress, **Hammamet. TUNISIA, 20-22 March, 2018.**
6. "Genetic algorithm–based calculation of the excitation capacitance of a self-excited induction generator for stable voltage operation over load and speed variations" **Wind Engineering journals.sagepub.com/home/wie**, 2017.
7. "A Comparison Between Solar Thermal and Photovoltaic/Thermal (PV/T) systems for typical household in Libya" 4th IEEE International Conference on Engineering Technologies and Applied Sciences (**ICETAS 2017**).
8. "The Benefits of the Transition From Fossil Fuel to Solar Energy in Libya : A Street Lighting System Case Study". **Applied Solar Energy, Vol.53, No. 2, 2017, pp. 138-151.**

9. Delay-Dependent Stability of LFC in Micro-grid with plug-in Electric Vehicles IREC 8th International Renewable Energy Congress, **March 21-23, 2017. Amman, Jordan.**
10. Economic Feasibility Study of Solar Water Heating System In Libya. IREC 8th International Renewable Energy Congress, **March 21-23, 2017. Amman, Jordan.**
11. Performance Evaluation of 1.65MW Wind Turbine in DERNAH, Libya. IREC 8th International Renewable Energy Congress, **March 21-23, 2017. Amman, Jordan.**
12. Economic Feasibility of Solar Powered Street Lights In Libya . Conference paper IREC 8th International Renewable Energy Congress, **March 21-23, 2017. Amman, Jordan.**
13. Modelling and Simulation of Load Frequency Control system with Demand-Side Control IREC 8th International Renewable Energy Congress, **March 21-23, 2017. Amman, Jordan.**
14. Evaluating the Value of the Excitation Capacitance of a Wind Turbine/Induction Generator System Using Genetic Algorithms. IREC 8th International Renewable Energy Congress, **March 21-23, 2017. Amman, Jordan.**
15. Distributed Generation as a Solution to The Blackout in Benghazi- Libya, Workshop on Electricity Blackout Causes and Proposed **Remedies 28 December, 2016, Benghazi, Libya.**
16. Meteorological Parameters in Malaysia: an Investigation Between Real Measurements and NASA Database. **AEEESJ-Advanced Electrical and Electronics Engineering** and Scientific Journal. Aug. 2016.
17. Power Factor Correction Study for ABO-TRABA Desalination Plant 2016. **Libyan Journal for Engineering Research.**
18. Modeling, Simulation, Analysis and Control of Stand-alone PV System. IREC 7th International Renewable Energy Congress, **Hammamet. TUNISIA, 22-24 March, 2016.**
19. The Economic Feasibility of Photovoltaic Systems for Electricity Production in Libya IREC 7th International Renewable Energy Congress, **Hammamet. TUNISIA, 22-24 March, 2016.**

REFERENCES:

1. Professor Ashraf Khalil, Electrical and Electronics Engineering Department, University of Benghazi, Benghazi Libya.
Email: ashraf.khalil@uob.edu.ly or ashraf.khalilg@gmail.com
Phone: +218916246520
2. Dr. Ali Elshaari, Researcher Quantum Photonics Group, Applied Physics Department, KTH, Stockholm. <https://www.kth.se/profile/elshaari>. Phone: 0046767810152, Office: +46737650550
3. Professor Mohammed Elmusrati, Head of communication and systems Eng. Group Faculty of Technology, University of Vaasa.
Email: mohammed.elmusrati@uwasa.fi
Phone: +358504003763

