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FAHAD A. AL-AQL

Education

2015 – May 2017 University of Central Florida, Orlando, USA

- Master degree of Electrical Engineering

2014 – Dec 2014 UCF Center for Multilingual Multicultural Studies, Orlando, FL

- Intensive English Program.

2006 - 2011 King Saud University, Riyadh, KSA

- Bachelor degree of Electrical Engineering - Electronics and Communications.

Experiences

2014 – now Scholarship for Master's and PhD Degrees.

- Funded by Imam Muhammad ibn Saud University, Riyadh, KSA.

2012 – 2014 Imam Muhammad ibn Saud University, Riyadh, KSA

- Worked as a Teaching Assistant.
- Assisted in: fundamentals of electronic circuits, digital logic circuits, digital systems, fundamentals of electronic circuit lab, and digital logic circuit lab.

2010 Saudi Telecom Company (STC), Riyadh, KSA

Summer Training:

- Attended a Fiber Optics To The Home (FTTH) seminar.
- Trained at the Department of Network Control.
- Trained at the Department of Building Management.

Certifications & Qualifications

2011 Senior Graduation Project

- The topic is "Continuous-Wave Police Radar ".

- The project studies Doppler Radar Systems as applied to speed radars.

2005 Oceania International College, New Zealand.

- Successfully completed an eight week Intensive English Program.

Skills & Interests

- **Programming:** Programmed several projects that require knowledge in OrCAD PSpice, MATLAB, and VHDL.
- **Teamwork and Leadership**: Worked and lead many group projects during my studies. For example, I lead a course group project to design a 64-bit adder by using VHDL program in which we earned a high mark.
- **Communication skills:** Performed many long and short presentations during my studies that have improved my communication skills in both Arabic and English.
- Ability to deal with different personalities.
- Ability for creativity.
- Excellent time management skills.

Publications

- F. Alaql and I. Batarseh, "LLC Resonant Converter with Reconfigurable Voltage Rectifier for Wide Input Voltage Applications," *2020 IEEE Energy Conversion Congress and Exposition (ECCE)*, Detroit, MI, USA, 2020, pp. 1191-1196, doi: 10.1109/ECCE44975.2020.9235896.
- F. Alaql and I. Batarseh, "Review and Comparison of Resonant DC-DC Converters for Wide-Output Voltage Range Applications," 2020 IEEE Energy Conversion Congress and Exposition (ECCE), Detroit, MI, USA, 2020, pp. 1197-1203, doi: 10.1109/ECCE44975.2020.9235842.
- F. Alaql and I. Batarseh, " A Wide Input Voltage Range LLC Converter with Multi-mode Operations," 2019 IEEE 9th International Power Electronics and Motion Control Conference (IPEMC-ECCE Asia), Nanjing, 2019.
- F. Alaql and I. Batarseh, "Review and Comparison of Resonant DC-DC Converters for Wide-Input Voltage Range Applications," 2019 IEEE Conference on Power Electronics and Renewable Energy (CPERE), Aswan City, Egypt, 2019, pp. 453-458, doi: 10.1109/CPERE45374.2019.8980034.