

Abdullah Nasser Al-Hatlani

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EDUCATION:

- University of Central Florida, Orlando, FL, USA** *Jan 2015 – May 2017*
Master's degree of Electrical Engineering
- UCF Center Multilingual Multicultural Studies, Orlando, FL, USA** *Feb 2014 – Dec 2014*
Intensive English Program
- King Saud University, Riyadh Saudi Arabia** *Sep 2006 – June 2011*
Communication and Electronics Engineering

EXPERIANCES:

- University of Central Florida, Orlando, FL, USA** *Aug 2017 – Now*
PhD Student/Researcher at Florida Power Electronics Center (FPEC)
 - Working on multi-port converters for Solar-Battery Systems
- Scholarship for MSc and PhD Degrees** *Feb 2014 – Now*
 - Funded by Al-Imam Muhammad Ibn Saud University
- Al-Imam Muhammad Ibn Saud University, Riyadh, Saudi Arabia** *Feb 2012 – Feb 2014*
Teaching Assistant
 - Assisted in: Fundamentals of Electronic Devices course, Fundamentals of Electronic Devices Lab, Electrical Circuits Analysis course, and Communication Engineering Lab.
- Saudi Telecommunication Company (STC), Riyadh, Saudi Arabia** *July–Sep. 2010*
Summer Trainee
 - I was trained for 5 weeks at the buildings department and for 3 weeks at the network control department.

QUALIFICATIONS:

- Graduation Project of Bachelor** “Design and Implementation of ADS-B Receiver for UAV Collision Avoidance System” supervised by Dr. Saeed Al-Dosary:
 - This project aimed to design a Radio Frequencies receiver that detects aircrafts messages and analyzes their information to avoid collisions.
- Carnegie Mellon University, Pittsburgh, PA, USA** *Sep. 2010*
 - Attended 22 hours course in Pattern Recognition

SKILLS:

Languages: Arabic (Native Language), English (Good Working knowledge in Oral, Written, and Academic English).

Programming: Programmed several projects requiring knowledge in MATLAB, OrCAD PSpice, LTspice, PSIM, and VHDL.

Teamwork: Worked with many group projects during my studies.

- I was a group member in a project titled "Cellular Indoor Coverage" which included a site visit to a major building in Riyadh City to collect data and take cellular coverage readings inside that building. A 50-minute presentation was prepared and delivered to our doctor and classmates at KSU to discuss and explain our project findings.

Communication skills: Performed many long and short presentations during my studies that have improved my communication skills.

AWARDS:

- Awarded the **Certificate of Excellence** for the graduation project from King Saud University Engineering Collage. It is worth mentioning that only two graduation projects from the Electrical Engineering Department were awarded this certificate.
- Awarded a scientific trip by King Saud University for my outstanding academic performance to Pittsburgh, PA, USA in Sep. 2010. This trip involved visiting Carnegie Mellon University, Pittsburgh University, Intel and Siemens Companies.

Publications:

A. Alhatlani, S. Ghosh, I. Batarseh, and N. Kutkut, "Exact Steady-State Analysis of Phase-Shifted Dual-Input LLC Converter," in *IEEE Energy Conversion Congress and Exposition (ECCE)*, 2019, pp. 1394–1400.

A. Alhatlani and I. Batarseh, "Review of Partially Isolated Three-Port Converters for PV-Battery Systems That Interface a PV, Bidirectional Battery, and Load," in *IEEE Conference on Power Electronics and Renewable Energy, CPERE 2019*, 2019, pp. 465–472.

A. A. Hussein, A. Alhatlani, S. Ghosh, and I. Batarseh, "A Double-Loop Maximum Power Point Tracking Algorithm for Dual-Input Phase-Shifted LLC Converter," *ECCE 2020 - IEEE Energy Convers. Congr. Expo.*, pp. 3205–3209, 2020.

S. Ghosh, R. Rezaii, A. Alhatlani, and I. Batarseh, "Analysis and Control of Grid-Tied Quad-PV LLC Converter with MPPT," *ECCE 2020 - IEEE Energy Convers. Congr. Expo.*, pp. 1912–1918, 2020.

HOBIES AND INTERESTS:

Poetry (reading and writing) and Traveling.