

C.V. (Curriculum Vitae)



Personal Data:

Name : Kasem Mohamed Ahmed Khalil
Address : Electrical Engineering Department, Faculty of Engineering,
Assiut University, Assiut, Egypt.
Current Job : a demonstrator
Citizenship : Egyptian
Date of Birth : December, 27, 1987-Sohag, Egypt.
Marital status : Single
Language : Arabic (native), English
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Skills:

CADS: Matlab, work bench, Eagle, Cadence, L-EDIT, Verilog HDL, VHDL & HSPICE.

Computer language: C++&FORTRAN.

Office: Microsoft Office.

Computer maintenance (Software, Hardware)

Education:

B.Sc (2004) in Electrical Engineering Department, Assiut University, Assiut, Egypt, with cumulative average grade very good.

Project grade: Excellent.

Project title: Weather station control using mobile network.

I recorded a preliminary Master at the beginning of academic year 2010-2011.

M.Sc. In Electrical Engineering: “Design of High Performance Comparators and Time to Digital Converters for level-Crossing Analog to Digital Converters”, Electrical Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt, February 2014.

LANGUAGES

Arabic: Native.

English: Very Good (Written & Spoken).

Experience:

*** Employment History:**

- Working as a demonstrator at the Electronics and Communications Department, Assiut University, Assiut, Egypt From the beginning of 2010.
- Working as a teaching assistant at the Electronics and Communications Department, Assiut University, Assiut, Egypt From the beginning of 2014.

***Current Research Interests Academic Work Experience:**

M.Sc. Thesis: Research work has been carried out with

- Improve the efficiency of Level – Crossing ADC (Analog to Digital Converter).
- Reducing size, area and increasing the speed of Level-Crossing ADC.
- Improve the performance of comparator which used in Level-Crossing ADC (Low-Cost High-Speed Comparator for Level-Crossing ADCs).
- Increase the resolution of TDC (Time to Digital Converter) which used in Level-Crossing ADC

*** Teaching Assistant:**

Assisted in teaching the following undergraduate courses:

- Electronics I (First Year) during the period 2010 till 2015
- Electronics II (2nd Year) during the period 2010 till 2014
- Electronics III (3rd Year) during the period 2011 till 2013
- VHDL (4th Year) during the period 2011 till 2015
- Microwave Circuit (4th Year) during the period 2012 till 2014
- Lab (first Year) during the period 2010 till 2013
- Lab (2nd Year) during the period 2010 till 2013
- Lab (3rd Year) during the period 2010 till 2013
- Lab (4th Year) during the period 2010 till 2015
- Electrical Circuit (1th Year) during the period 2013 till 2014
- Digital Logic Circuit (1th Year) during the period 2014 till 2015

***PUBLICATIONS**

- K. Khalil, M. Abbas and M. Abdel-Gawad, " Novel Technique for Reducing the Comparator Delay Dispersion in 45nm CMOS Technology for Level-Crossing ADCs ", Grenoble- France , November 21 - 24 , 2012.
- K. Khalil, M. Abbas and M. Abdel-Gawad, " A Low Propagation Delay Dispersion Comparator for Low Cost Level-Crossing ADCs " , Doha- Qatar , December 15 – 17 , 2012.
- K. Khalil, M. Abbas and M. Abdel-Gawad, " A Low-Power Low-Delay Dispersion Comparator for High-Speed Level-Crossing ADCs " , April 27 – 30 , 2013.

Under Submission

- K. Khalil, M. Abbas and M. Abdel-Gawad, " A 23ps Resolution Time-to-Digital Converter Implemented on Low-Cost FPGA Platform " , Romanian, ISSCS 2015.

***Patent**

I recorded patent at 2012 on Novel Technique for Reducing the Comparator Delay Dispersion in 45nm CMOS Technology for Level-Crossing ADCs.

***Co-Supervising Research Projects:**

- Assisted in supervising B.Sc. projects for undergraduate students (Electronic & Communication section):
- Remote Monitoring of a Weather Station Using Mobile Communication (May 2010).
- Optical Fiber Communication System (May 2011)
- Optical Fiber Communication System using FPGA as transceiver (May 2012)
- Optical Fiber Communication System Receiver Layout (May 2013)
- Design RFID-Based Security System (May 2014)
- Wireless Battery Charging (May 2014)
- GSM-Based Smart UAV Quad Copter Remote Control (May 2014)
- Smart Farm (May 2014)