



CURRICULUM VITAE

PRESONAL DETAILS:

Name : Musa Salah Alyaman.
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Education:

- B.Sc. In Computer Engineering, University of Jordan, 2004
- Master In Industrial Automation, University of Yarmok, 2006
- PhD. In Electrical and Electronic Engineering, Newcastle University, 2015.

B.Sc. Graduation Project:

“Design and Manufacture of an Automated Labeling Machine”.

Master Thesis:

“Watermarking For Image Authentication and Ownership Verification”.

PhD Thesis:

“FPGA Design and Implementation of a framework for Optogenetic Retinal Prosthesis”.

EMPLOYMENT HISTORY:

From May. 3 2012 till Now:

The University of Jordan, Mechatronics Engineering Department

Position : Assistance Professor

From Feb. 7 2012 till Feb. 7 2015:

Newcastle University, Electrical and Electronic Engineering, Newcastle Upon Tyne, United Kingdom

Position : Full Time PhD Student

From Nov.7 2006 till Feb. 5 2012.

The University of Jordan, Computer Engineering Department

Position : Full Time Instructor.

Teach the following courses and labs:

1. Digital Logic.
2. Assembly Language and Microprocessors.
3. Embedded Systems.
4. Object Oriented Problem Solving
5. Digital Electronics.
6. Network and Internet Programming.
7. Digital System Design.
8. Digital Logic Lab.
9. Assembly Language and Microprocessors Lab.
10. Embedded Systems Lab.

From Sep.29 2004 till Nov.6 2006 .

The University of Jordan, Computer Engineering Department

Position : Lab Engineer

Duties :

- Teach & Supervise the following labs :
 1. Microcontrollers Lab.
 2. Assembly and Microprocessors Lab.
 3. Digital Logic Lab.
- Manage and maintain the local lab LAN.

From Jul.19 to Aug.28, 2003.

Trainee in Horizon Computer Technique, Doha-Qatar

PERSONAL HOMEPAGE:

<http://eacademic.ju.edu.jo/m.alyaman/default.aspx>

Research Interests:

Image Processing, Embedded Systems design and Biomedical Engineering.

Training Courses:

- 1- A+ Certification Core Hardware Training Course. From Jun.22 to Jul.21, 2003.
- 2- Cisco (CCNA) Training Course, Semesters (1-4).
From Feb.8 to Feb.19, 2004.
- 3- PSOC Training Course, Lebanon, Summer University.
From Sep.6 to Sep.16, 2005.
- 4- MCSE
From Feb.10 to May.29, 2006.
- 5- PLC Programming using Siemens PLCs, Syria.
From May.1 to May.5, 2007.
- 6- ITIL, Jordan.
From Sep.17 to Sep.21, 2008.
- 7- Oracle Developer 10g & Reports.
From May.9 to Jun.17, 2010.
- 8- CISCO (CCNA) Academic Instructor, Princess Sumaya University
for Technology, From Nov.25, 2010 to Jan.4, 2011.

Language:

- 1- Arabic: Mother Tongue.
- 2- English: Excellent
IELTS score: 6.0, Dec.18, 2010.

OTHER DETAILS:

- High ability to self learning most courses that I teach is self learning.
- Good Programmer in Java.
- The Exhibitions manager for the National Technology Parade, held in the University of Jordan for all Public and Private Jordanian Universities.

- Supervised the winning project of the best people choice which was "Robot Guide for Blind People" in the National Technology Parade.
- Has a valid Jordanian Driving License.
- Member of Jordanian Society of Engineers.

List of Publications:

1. Al-yaman, M.S.; Al-Tae, M.A.; Shahrour, A.T.; Al-husseini, I.A., "Biometric based audio ownership verification using discrete wavelet transform and SVD techniques," *Systems, Signals and Devices (SSD), 2011 8th International Multi-Conference on* , vol., no., pp.1,5, 22-25 March 2011
doi: 10.1109/SSD.2011.5993562
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5993562&isnumber=5767360>
2. Al-Yaman, M.S.; Al-Tae, M.A.; Alshammas, H.A., "Audio-watermarking based ownership verification system using enhanced DWT-SVD technique," *Systems, Signals and Devices (SSD), 2012 9th International Multi-Conference on* , vol., no., pp.1,5, 20-23 March 2012
doi: 10.1109/SSD.2012.6198022
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6198022&isnumber=6197898>
3. Al Yaman, M.; Ghani, A.; Bystrov, A.; Degenaar, P.; Maaskant, P., "FPGA design of a pulse encoder for optoelectronic neural stimulation and recording arrays," *Biomedical Circuits and Systems Conference (BioCAS), 2013 IEEE* , vol., no., pp.190,193, Oct. 31 2013-Nov. 2 2013
doi: 10.1109/BioCAS.2013.6679671
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6679671&isnumber=6679623>
4. Al Yaman, M.; Degenaar, P., "FPGA design of an even power distributor for optoelectronic neural stimulation," *Applied Electrical Engineering and Computing Technologies (AEECT), 2013 IEEE Jordan Conference on* , vol., no., pp.1,4, 3-5 Dec. 2013
doi: 10.1109/AEECT.2013.6716472
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6716472&isnumber=6716410>