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Curriculum Vitae Form

Curriculum Vitae

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ACADEMIC QUALIFICATIONS

Ph. D. in Electronics and Communications Engineering, 1999

Cairo University, Cairo, Egypt

M. Sc. in Electronics and Communications Engineering, 1996

Cairo University, Cairo, Egypt

B. Sc. in Electrical Engineering/ Electronics, 1988

Tishreen University, Latakia, Syria

PROFESSIONAL EXPERIENCE

- **2018-Present: Associate Professor** in department of Civil and Infrastructure Engineering Electrical Engineering, *Faculty of Engineering and Technology, Alzaytoonah University of Jordan.*
- **2009- 2018: Associate Professor** in department of Electrical Engineering/ Communications and Computer, *Faculty of Engineering and Technology, Alzaytoonah University of Jordan.*
- **2006-2009: Associate Professor** in Computer Science Departement, *Faculty of Science and Information Technology, Alzaytoonah University of Jordan.*
- **2001-2006: Assistant Professor** in Computer Science Departement, *Faculty of Science and Information Technology, Alzaytoonah University of Jordan.*
- **1999-2001: Assistant Professor** in Electronics and Communication Department, *FMEE, Damascus University, Damasscus, Syria.*



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INTERESTS:

- Digital Image Processing
- Computer Vision
- Pattern Recognition
- Multimedia Processing
- Computer Networks programming

TEACHING EXPERIENCE:

I taught graduate and undergraduate level courses for the students in the Computer Engineering and Automation Dept., Electronics and Communication Engineering Dept. in Damascus University, *Syria*. Also, I taught graduate level courses for the students in the Computer Information Systems Dept. in Alzaytoonah university of *Jordan*. These Courses are as follow.

- Computer Vision
- Digital Signal Processing
- Digital Image Processing
- Algorithms Analysis and Design
- Knowledge Engineering
- Object Oriented Programming
- Pattern Recognition
- Programming Languages
- Electrical Circuits
- Computer Logic Design
- Linear Systems
- Engineering Numerical Methods
- System Programming

PROFESSIONAL DEVELOPMENT ACTIVITIES:

- ***Supervisor of PhD thises in De Montfort University, UK.***
Title of PhD :
 “Unconstrained Iris Recognition”, at DE MONTFORT University, UK, 2014.
- ***Supervisor of Many Master thesis in Damascus University, Damascus, Syria:***
Titles of the Master theses were:
 1. Automatic 3D Face Detection, Normalization and Recognition
 2. A Proposed Algorithm of Digital Watermarking in transmitted data)
 3. Maneuvering Targets Detection and Tracking in Visual Videos
 4. Enhancement of Hand shape Recognition Based on Wavelet Transform & Neural Networks
 5. Compression and Encryption of Visual Videos
 6. Simulation of the Ethernet Services Over SDH
 7. Image Fusion Enhancement using both of Principal Component Analysis and Wavelet Transform
 8. Thermal Target Tracking Utilizing Stereoscopic Video System



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- **Visiting Professor and Post Graduate Research Associated**, in *Computer Automation Engineering*, Damascus University, Damascus, Syria (2006– 2012)
- **Technical Committee**, *Jordan International Electrical and Electronic Engineering Conference: JIEEEEC- 2011*.
- **Technical Committee**, *International Conference of Information Technology* , ICIT- 2003, 2005, 2007, 2009 and 2011.
- **Technical Committee, Steering committee**, *International Engineering Conference on Design and Innovation in Sustainability* , ZEC-2012, 2014 and 2016.
- **Technical Committee, Steering committee, EPPM-2017**

FUNDS:

- Al-Zaytoonah University of Jordan fund of 22000 JD for research project entitled: “On Security Implementation in Wireless Network Utilizing Software Defined Network (SDN) Approach”.
- Al-Zaytoonah University of Jordan fund of 11800 JD for research project entitled: “Load Balancing Algorithm for Green Computer Networks”.

- **Book Chapters**

Mohammad zakaria Masoud, Ismael Jannoud, Lubna badri: *Cyber Physical Social System*. Cyber Physical Systems--A Computational Perspective, 11/2015; CRC Press Taylor & Francis Group., ISBN: 9781482259759

- **Journal Publications:**

1. Yousef Jaradat, Mohammad zakaria Masoud, Ismael Jannoud, huang hong, “Capacity of Large-Scale Wireless Networks Under Jamming: Modeling and Analyses”, *IEEE Transactions on Vehicular Technology*, 2017.
2. Mohammad Masoud, Yousef Jaradat, **Ismael Jannoud**, Hong Huang. “On Power Consumption Reduction in Computer Networking Utilizing Software Defined Network (SDN) Paradigm”, *Springer Computing Journal*. **2017**
3. Hong Huang, Yousef Jaradat, Satyajayant Misra, Amjad Abu-Baker, Rafael Asorey-Cacheda, Reza Tourani, Mohammad Masoud, and **Ismael Jannoud**. “Capacity of Large-Scale Wireless Networks Under Jamming: Modeling and Analyses” *IEEE Transactions on Vehicular Technology*, 2017



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4. Mohammad zakaria Masoud, yousef jaradat, **Ismael Jannoud**, huang hong,” *The Impact of 16-bit and 32-bit ASNs Coexistence on the Accuracy of Internet AS Graph*”, Journal of Network and Systems Management 06/2016; DOI:10.1007/s10922-016-9389-5
5. Mohammad zakaria Masoud, Yousef Jaradat, **Ismael Jannoud** and Omar Heyasat. “Internet Access Link Speed between ISPs’ Myths and Subscribers’ Expectations”, WSEAS Communication Transaction Journal, 2016 (Scopus, EI compendex)
6. Mohammad zakaria Masoud, Yousef Jaradat, **Ismael Jannoud**, “*A measurement study of Internet Exchange Points (IXPs): history and future prediction*”, Turkish Journal of Electrical Engineering and Computer Sciences 12/2015;
7. Ali Al-Dahoud, Mohamed Fezari, **Ismael Jannoud** and Thamer AL-Rawashdeh,” *Monitoring Metropolitan City Air-quality Using Wireless Sensor Nodes based on ARDUINO and XBEE*”, Circuits, Systems, Signal Processing, Communications and Computers, 2015.
8. **Ismael A. Jannoud**, Mohamed Z. Masoud,”*On Understanding of Centrality in Directed Citation Graph*”, ARPN Journal of Engineering and Sciences, Vol 9, No 8, August 2014.
9. Mohammad Z Masoud, **Ismael A. Jannoud** , “*Studying the Impact of 32-bits AS Numbers on Constructing Internet AS Graph*”, Applied Mechanics and Materials Vols. 548-549 (2014) pp 1299-1303 (2014) Trans Tech Publications, Switzerland
10. Abdo Helale, **Ismael Jannoud**, and Fahd Bdewi, “*Electronic adjustment of two cameras fields*”, Journal of Engineering Sciences, Damascus University, Damascus Syria, 2013
11. **Ismael Jannoud**, T.Nasury, and R. Hamdan, “*Maneuvering Targets Detection and Tracking System*”, Journal of Engineering, Aleppo University, 2008.
12. **Ismael Jannoud**, “*Automatic Arabic Hand Written Text Recognition System*”, American Journal of Applied Science 4 (11): 875-864 AJAS, USA, 2007.
13. **Ismael Jannoud**, M. Abbas Fadel, , ” *Digital Watermarking Technique for Hiding Text in Image*”, Journal of Engineering Sciences, Damascus University, Vol. 22, Damascus, Syria, 2006.
14. **Ismael Jannoud**, “*A Proposed Optical Music Mark Recognition System*”, Journal of Computer Science JCS, Science Publication, USA, 2005.
15. **Ismael A. Jannoud**, Ibrahim Elshafie, and Mostafa N. I. Fahmy, “*Enhancement of Eddy_Current Nondestructive Evaluation System*”, Jornal of Egyption Society of Computer, 2001.
16. **Ismael A. Jannoud**, Ibrahim Elshafie, and Mostafa N. I. Fahmy, “*Computer Based System for Nondestructive Evaluuuuation System*”, Jornal of Egyption Society of Computer, 1999.

• Conference Publications:

1. Y Jaradat, I Jannoud, M Masoud, WA Elhajja, “A roadmap for SDN-based network management: Al-Zaytoonah University of Jordan case”, International Conference of Sciences and Techniques of Automatic Control and Computer Engineering (STACCE), 2017 IEEE.



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2. Software Project Management: Resources Prediction and Estimation Utilizing Unsupervised Machine Learning Algorithm mohammad masoud, wejdan abu elhaja, yousef jaradat, ismael jannoud, Springer EPPM 2017.
3. Mohammad Masoud, Yousef Jaradat, Ismael Jannoud, Esraa Bashaireh, "A measurement study of internet services in Jordan: A case study", Applied Electrical Engineering and Computing Technologies (AEECT), 2017 IEEE.
4. Ahmad Fazzaa, Mohammad zakaria Masoud, Yousef Jaradat and Ismael Ahmad Jannoud, "A Low Cost Extendable Smartphone design based on Single-Board", ICGHIT2017 Conference, China, 2017.
5. Mohammad zakaria Masoud, Yousef Jaradat, Ismael Ahmad Jannoud: *On Preventing ARP Poisoning Attack Utilizing Software Defined Network (SDN) Paradigm*. IEEE AEECT, amman; 11/2015.
6. Mohamed Fezari, Ali Al-Dahoud, Ismael Jannoud and Thamer AL-Rawashde, "Monitoring Metropolitan City Air-quality Using Wireless Sensor Nodes based on ARDUINO and XBEE", The 2015 International Conference of Circuits, Systems, Signal Processing, Communications and Computers. Austria. 10/2015
7. Mohammad zakaria Masoud, Ismael Jannoud, Amal Ahmad, Haithm Al-Shobaky, "The Power Consumption Cost of Data Encryption in Smartphones", IEEE OSSCOM 2015, German Jordan University Amman-Jordan; 09/2015.
8. Ali Al-Dahoud, Mohamed Fezari, Thamer Al-Rawashdeh, Ismael Jannoud, "Improving Monitoring and Fault Detection of Solar Panels Using Arduino Mega in WSN", ICEMPE 2015 WASET, LONDON, UK; 03/2015.
9. Mohammad Z. Masoud, Ismael Jannoud and Ahmal Al-Nahawy, "A Measurement Study of Eccentricity in Scientific Paper Citation Network", ZEC-14 Annovation and Sustainability, Amman, Jordan, 2014.
10. Ismael Jannoud, "New Optical Music Recognition Model To Enhance The Business Process of Developing Music", SCI2004, Orlando, Florida, USA; 01/2004.
11. M.N.I. Fahmy, E.A. Hashish, I. Elshafiey, Ismael Jannoud, "Advanced system for automating eddy-current nondestructive evaluation", Radio Science Conference, 2000, 17th NRSC '2000. Seventeenth National; 02/2000.
12. Ismael Jannoud, "Computational Aspects of Eddy-Current Nondestructive Evaluation System", CATAEE, Filadelpi; 01/1999.
13. Ismael A. Jannoud , Mostafa N. I. Fahmy, and Essam A. Hashish, "Detection of infinite Conducting Cylinders by Depolarization of Electromagnetic Waves", Proceeding of the 14th Radio Science Conference "NRSC 97" Cairo, Egypt, March, 23-25, 1997.