

Personal CV

Aladdin Masri

Department of Computer Engineering

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Education:

2006 –2009: PhD in Automation Control and Computer Engineering,*

High Honor Degree

LAGIS, OSSc Laboratory, Ecole Centrale de Lille, and USTL, France.

Title: “Towards the Distributed Control of Manufacturing Systems: A Component-Based Approach for taking into account the Communication Architecture in Modeling”.

The PhD is in tow axes, the main axe concerns the computers communication and networks and the discrete even systems (DES). While the other axe concerns the use of formal methods in modeling and evaluating computer services and protocols.

A 5-year Excellence Scholarship to continue Master and PhD 11/2004

2005 – 2006: Research Master M2 in Computer Engineering,

LIFL Laboratory, University for Science and Technology of Lille USTL, France.

Mention: **Concept of Embedded Systems**

Masters’ Stage: **Energy Consumption and TCP/IP Stack**

1996 – 2001: B.Sc. in Electrical and Electronic Engineering, Computer Engineering specialization.

An-Najah National University, Nablus, Palestine.

Cumulative average: **92.6/100 Excellent grad, Top rank on the faculty of Engineering / Honor List,**

Graduation Project: RS232/RS485 Networks multiplexing, wish microcontrollers.

1994 – 1995: Scientific Tawjjihi, Qadri Toqan Secondary School, Nablus – Palestine, 92.1/100 Excellent grad.

Professional Experiences:

08/2009 – Present: Assistant Professor at An-Najah National University

03/2002 – 11/2004: Network Administrator at Hisham HIJJAWI college of Technology supported by the GTZ and the German Federal Government.
Instructor of Computer Science and Networks in the college.

Training Courses:

2004: UNIX Operating System, Ubuntu Operating System

2002: CCNA (Cisco Certified Network Associate)

MCSE

Network+

A+

Publications and Conferences:

Book Chapter:

- 1- Aladdin Masri, Thomas Bourdeaud'huy, Armand Toguyeni, "*Performance Evaluation of Distributed Systems: A Component-Based Modeling Approach based on Object Oriented Petri Nets*". In book "**Petri nets**", (**Authors' Invitation Only**) November 2009.

Journals:

- 2- Aladdin Masri, Thomas Bourdeaud'huy, Armand Toguyeni, "*A component-based approach based on High-Level Petri Nets for modeling Distributed Control Systems*" International Journal on Advances in Intelligent Systems, volume 2 number 3. December 2009.

Conference Papers:

- 3- Aladdin Masri, Thomas Bourdeaud'huy, Armand Toguyeni, "*Performance Analysis of IEEE 802.11b Wireless Networks with Object Oriented Petri Nets*", Proceedings of First International Workshop on Formal Methods for Wireless Systems FMWS'08 Toronto, Canada, August 2008. (A special version for ENTCS is at August 2009).
- 4- Aladdin Masri, Thomas Bourdeaud'huy, Armand Toguyeni, "*Network protocol modeling: A Time Petri Net modular approach*", International Conference on Software, Telecommunications and Computer Networks, pages: 274-278, *Split - Dubrovnik, Croatia September. 2008*.
- 5- Aladdin Masri, Thomas Bourdeaud'huy, Armand Toguyeni, "*A Component Modular Modeling Approach Based on Object Oriented Petri Nets for the Performance Analysis of Distributed Discrete Event Systems*", The Fifth International Conference on Networking and Services ICNS'09 April , 2009 - Valencia, Spain (**Best Paper Award**)

Assisted Conferences (no papers):

- 6- Seventh Real-Time Linux Workshop, University for Science and Technology of Lille (USTL), Lille, France, November, 2005.
- 7- CONCUR 08, 19th International Conference on Concurrency Theory, Toronto, Canada, 2008.
- 8- PODC 08, Twenty-Seventh Annual ACM SIGACT-SIGOPS Symposium on Principles of Distributed Computing, collocated with CONCUR 08.

Teaching Experience:

- Network Principles 1,
- Network Principles 2, (based on CISCO materials)
- Networks Management, (based on MCSE materials)

This course provides the student with the knowledge and skills necessary post installation and day to day administration task in single-domain or multiple-domain windows 2000 networks.

- Advanced Networks, (WAN Technology)
- Microprocessors
- Internet and E-mail Applications,
- Microsoft Office Applications, (Word, Excel ...)
- Operating Systems, (based on MSCE materials)
- C/C++ advanced programming,
- Electrical and Electronic Applications,
- Digital Design
- Advanced Electronics,
- Computer Maintenance.

* All courses with labs.

Working Project:

The Project was to construct, build up, install and configure the Network for the college where I work. The work was both hardware and software. The software was based on Windows 2000 Advanced Server and Windows 2000 Professional for the clients of the net. Also it was to install and configure the ISA proxy server and the Microsoft Exchange Server. The Network clients are nearly 250 users, so it was also to supervise the work of the network.

Skills and Competences:

- Installation, designing and presenting solutions for network topologies (**Technical Support**).
- Designing networks using **VISIO 2000** Software.
- Installing and operating the Wireless/Wired Networks; Routers, Switches and Hubs in FTP, SFTP, UTP or fiber optic Networks.
- Installing and operating the Servers with Windows 2000 server or 2003 server as:
 - 1- DNS with Domain
 - 2- ISA firewall and security
 - 3- Mail Exchange
 - 4- Norton antivirus server
 - 5- DHCP
 - 6- NAT
 - 7- PROXY with Cache
 - 8- IIS Web Server and FTP
 - 9- Remote Administrating by SNMP Management
- Testing and check all networks for:
 - 1- Wireless by using RSSI antenna directional gain.
 - 2- Wired (FTP, SFTP, and UTP) using LAN Tester.
- Distributing the IPs, divide them to subnets by subnet masks, using the real or private IPs to connect the networks, and connecting LAN with LAN or WAN by gateways and routers.
- Troubleshooting and find the solutions for many problems. Fixing and securing the problems that comes from: Hacking, Intrusion, Trojans, Worms, Viruses, Adwares, Spywares ... etc.
- Petri Nets and formal methods.

Computer Skills:

- All computer design software and hardware knowledge (DOS, Windows 95, Windows 98, Windows Me, Windows 2000, Windows XP, Windows Vista).
- C/C++, Java, HTML, Visual Basic 6, Designing Web page design.
- Multimedia Design for Internet and animation using Flash5&6, Adobe PhotoShop7, audio design and many programs.
- Office XP - 2007, (Word, Excel, Access, Front Page, Outlook ...)
- Programs for mathematics and electrical engineering such as SPICE, Workbench. Designing electrical circuits for Analogue and Digital Circuits.

Languages:

Arabic;

English;

French (DELFI 1 – 4); B2, University of Lille 3 – France;

German, Goethe Institute (Germany, GS III).