

## **Aladdin Salah Masri**

Computer Engineering Department, An-Najah National University, Nablus, Palestine

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### **CURRENT POSITION**

**Associate Professor, Computer Engineering Department, An-Najah National University,  
October 2023 – Present**

### **EDUCATION**

- **PhD in Automation Control and Computer Engineering, High Honor Degree, LAGIS, OSSc Laboratory, Ecole Centrale de Lille, and USTL, France, 2006-2009**  
Title: “Towards the Distributed Control of Manufacturing Systems: A Component-Based Approach for taking into account the Communication Architecture in Modeling”.
- **Research Master M2 in Computer Engineering, LIFL Laboratory, University for Science and Technology of Lille USTL, France, 2005-2006**  
Mention: Concept of Embedded Systems  
Masters’ Stage/Thesis: *Energy Consumption and Optimization in Wireless Networks*
- **B.Sc. in Electrical and Electronic Engineering, Computer Engineering specialization, An-Najah National University, Nablus, Palestine, 1996-2001**  
Cumulative average: 92.6/100 excellent grad, Top rank on the faculty of Engineering / Honour List

### **WORK EXPERIENCE (Academic and non-academic)**

- Associate Professor, Computer Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. October 2023 - Present.
- Head Computer Engineering Department, An-Najah National University, July 2018 – August 2022
- Assistant Professor, Computer Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. August 2009 – October 2023.
- Network Administrator at Hisham HIJJAWI college of Technology supported by the GTZ and the German Federal Government, 3/2002 – 11/2004
- Instructor of Computer Science and Networks in the college, 3/2002 – 11/2004

### **ADDITIONAL CAREER EXPERIENCE**

- Land subdivision and housing outside the boundaries of Urban Master Plans Project Manager, supported by GIZ in cooperation with the Palestinian Ministry of Local Governance, April 2022 – October 2023
- E-governance project in Palestine and the Middle East and North Africa region Manager, supported by GIZ, April 2021 – March 2022
- Hisham HIJJAWI college of Technology Network Manager: The Project was to construct, build up, install, configure and supervise Hisham HIJJAWI college of Technology network, supported by GIZ.
- Supervision of hundreds of student projects including software and hardware project in computer engineering.

## **CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS**

- UNIX Operating System, Ubuntu Operating System, 2004
- CCNA (Cisco Certified Network Associate), MCSE, Network+, A+, 2202

## **COMPUTER SKILLS**

- C/C++, Java, HTML, Visual Basic, Web page design.
- Multimedia Design for Internet and animation using Flash, Adobe PhotoShop, audio design and many programs.
- Microsoft Office (Word, Excel, Access, Front Page, Outlook ...)
- Programs for mathematics and electrical engineering such as SPICE, Workbench, MASM.
- Designing electrical circuits for Analogue and Digital Circuits.

## **ADDITIONAL SKILLS**

- E-services: e-commerce, e-learning, Digital/Software Security
- Game-based Learning

## **HONORS AND AWARDS**

- Bachelor honour list, An-Najah National University
- Master and doctorate scholarship, France
- Best paper award, Canada
- Many Research Production Awards, ANNU

## **COURSES TAUGHT:**

### 1- Graduate Courses:

- Computer Aided Design of Energy Systems

### 2- Undergraduate Courses:

- Network Principles 1,
- Network Principles 2, (based on CISCO materials)
- Networks Management, (based on MCSE materials)
- Advanced Networks, (WAN Technology)
- Special Topics in Wireless Networks
- Microprocessors
- Internet and E-mail Applications,
- C/C++ advanced programming,
- Operating Systems, (based on MSCE materials)
- Electrical and Electronic Applications,
- Digital Design
- Advanced Electronics,
- Computer Components and Interface
- Numerical Analysis for Engineers
- Critical Thinking and Research Skills
- Scientific Research and Technical Writing
- Microsoft Office Applications, (Word, Excel ...)

## **PUBLICATIONS**

### **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) February 2010.

### **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.
- 3- Aladdin Masri, Muhannad Jabi, “*Toward Inference Based Distributed Processing, Analytical Modelling and Performance Evaluation*”, An-Najah University Journal for Research – A (Natural Sciences), Vol. 32(1), 2018.
- 4- Masri A, Al-Jabi M. 2021. “*Toward fault tolerant modelling for SCADA based electricity distribution networks, machine learning approach*”. PeerJ Computer Science 7:e554  
<https://doi.org/10.7717/peerj-cs.554>
- 5- Masri A, Al-Jabi M. 2021. “*Toward IoT fog computing-enabled system energy consumption modeling and optimization by adaptive TCP/IP protocol*”. PeerJ Computer Science 7:e653  
<https://doi.org/10.7717/peerj-cs.653>
- 6- Khatib T, Gharaba A, Haj Hamad Z, Masri A. “*Novel models for photovoltaic output current prediction based on short and uncertain dataset by using deep learning machines*”. Energy Exploration & Exploitation. 2021 Dec 23:01445987211068119.
- 7- Masri A, Al-Jabi M. 2022 “*LSTM neural network techniques-based analytical predictive models for wind energy and mechanical power*”. Advances in Mechanical Engineering. 2022;14(12).  
<https://doi.org/10.1177/16878132221143633>
- 8- Masri A, Al-Jabi M. 2023. “*A novel approach for Arabic business email classification based on deep learning machines*”. PeerJ Computer Science. 9:e1221  
<https://doi.org/DOI 10.7717/peerj-cs.1221>

### **Conference Papers:**

- 9- 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).
- 10- 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.
- 11- 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**)
- 12- Masri A, Al-Jabi M. “*Development of energy through wind simulation and design: a case study of Hebron Wind Farm in Palestine*”. In 2019 IEEE 7th Palestinian International Conference on Electrical and Computer Engineering (PICECE) 2019 Mar 26 (pp. 1-6). IEEE.
- 13- Masri A, Al-Jabi M. “*Virtual dressing room application*”. In 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) 2019 Apr 9 (pp. 694-698). IEEE.

**Assisted Conferences (no papers):**

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

**REFERENCES**

Available upon request

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