

## SAMI A. AWAD

P.O.Box 85 Anabta, West Bank  
972-4 2503573 (970) 599 207 589  
E-mail: sami.awad@aaup.edu

**EDUCATION** Western Michigan University (WMU), Kalamazoo, Michigan, USA.  
04/95 **Masters Degree**, College of Arts and Sciences,

**Computer Science/ Database Management and Distributed Systems**

04/92 Western Michigan University (WMU), Kalamazoo, Michigan, USA.

**Bachelors Degree**, College of Engineering and Applied Sciences,

**Major: Computer Systems Engineering Minors: Math & CS**

## EMPLOYMENT

02/03 – Present **Lecturer**

- **Department of Computer Systems Engineering** – Arab American University Jenin
- Lecturer: Complete course outline, delivery and projects for:

- |                               |                          |
|-------------------------------|--------------------------|
| ❖ Operating Systems           | ❖ Programming C++,Python |
| ❖ Visual Programming          | ❖ Intro to Computers     |
| ❖ Verification and Validation | ❖ Computer Organization  |
| ❖ System Analysis and Design  | ❖ Digital Logic Design   |
| ❖ Linux Lab                   |                          |
| ❖ Digital Logic Design Lab    |                          |

- Computer Science Department head: 2003 – 2006
- *Faculty Council Member*: 2003 – 2006, 2011 – present

2007 – 2012,  
2015

### **Director**

**Hassib Sabbagh IT Center of Excellence** – Arab American University Jenin

- Hassib Sabbagh IT Center of Excellence is a state of the art technology center intended to serve the areas and local communities North of the West Bank.
- The divisions of the Center are Training and Certification unit, Incubation unit, Testing unit, and the university IT unit.
- The director is responsible for management of the Center's daily operations, staffing, fund raising, strategic planning, public relations while reporting directly to the BoD.

05/05–09/06

### **Senior IT & Business Operations Consultant**

**Dominion Access Palestine**, Ramallah, West Bank, Palestinian Authority.

- Co-founder and co-author of the business strategy for Dominion Access Palestine based on services using VoIP equipment for Internet Telephony Service Provider.
- Full integration of ISP services formerly owned by DBSolutions into the business paradigm for Dominion in its efforts to become the first licensed ITSP in Palestine. .
- Business meetings with potential investors and technology partners.

06/95 – 02/03

### **Senior Software Engineer/Project leader**

**SPX CORPORATION**, Kalamazoo, Michigan, USA.

- Team Lead Engineer for full cycle projects from specifications to delivery for State-Certified automotive emissions certification programs. Completed full cycle projects for the states of California, North Carolina, Massachusetts, and Georgia Emissions Programs, and Vehicle OBDII Inspection Analyzers.
- Project Leader for the FlowCharts, and Break-Out-Box automotive diagnostics expert systems implementation of the CrypKey Software Security System.
- Software deployment of PACE 400 Engine Analyzers:. Including builds, quality assurance, and mass production of software for ALLEN and BEAR brands.
- Visual Basic host software developer for real time embedded diagnostics systems.

09/00 - 06/01

**Lecturer**

**Western Michigan University** Department of Computer Science, Kalamazoo, MI USA  
**CS 111: Problem solving with C++, CS 112: Advanced topics in C++**

- Developed complete course work and projects for Object Oriented Analysis and Design using C++ on a UNIX SUN environment.

12/93 - 06/95

**Windows Developer/Research Assistant**

**Western Michigan University** Department of Computer Science, Kalamazoo, MI USA

- Developed Visual Basic software for a US patented Data Acquisition System (The Digital Scope) for detecting and diagnostics of automobile ignition patterns.
- The Digital Scope was invented and patented by Dr. Robert G. Trenary a full professor at the Department of Computer Science, WMU

09/92 - 04/95

**Teaching Assistant/Mentor**

**Western Michigan University** Department of Computer Science, Kalamazoo, MI USA

- Taught FORTRAN, UNIX C++ programming for engineering and CS students.
- Appointee as Mentor to all graduate assistants by the Dean of Arts and Sciences.

**SKILLS**

- Project leadership of various sizes
- Business and community leadership
- More than Ten years professional experience in software development and deployment
- More than Ten years professional experience with various computer software development environments like, C/C++, Visual studio, Python, Java, Databases and SQL

**PROJECTS**

- Erasmus project management team member, UNIGOV project 2017-2019.
- Engineering senior project supervision 2005-2021.
- Embroid: a state of the art cross stitching technique 2010
- Dominion SuperJet first internet dialup accelerator in Palestine Sept 2005
- State of California Emissions Control programs 2001-2003
- North Carolina BAR97 and OBDII inspection programs 2002
- Info-Birth Database Management System, Community Information, WMU1994
- Heart Rate Variability System, a data acquisition & DSP system. The system a biomedical device that measures and monitors the Heart Rate Variability. It uses a IBM-AT-PC board embedded in a personal computer. Sponsored by Dr. T. M. Srinivasan, The Fetzer Institute, Kalamazoo 1992

**HONORS/  
ACTIVITIES**

- Faculty Council member at the Faculty of Engineering and IT at AAUP for more than 10 years.
- Judge National INTEL ISEF school fair 2016-2019
- Judge Hult Prize Local competition AAUP 2017
- Hassib Sabbagh IT Center of Excellence, Arab American University (AAUP), Director, 2007-2012, 2015.
- IT Entrepreneurship Education ToT – Intel Education at PICTI 2015
- Executive Director Palestine Red Crescent Society Anabta branch 2005 -2007
- Coach ACM ICPC Middle East and North Africa contest, Kuwait 2005,2008,2009
- Arab American Anti-Discrimination Committee (ADC) chapter executive board 2003
- Featured colloquium speaker Department of Computer Science, WMU
- Outstanding Services Award, Computer Science Department, WMU 1995
- Community Safety and CPR instructor, American Red Cross 1993
- Orientation Student Leader, WMU

**Contributions:**

- **Dec. 2020** Journal publication “*E-Citizenship: A Proposed Solution for Land Ownership Problems in the Land Management Sector in Palestine*”. Nihad Awad, Sami Awad, Palestine Land Authority, Arab American University. Journal of Al-Quds Open University for Humanities & Social Studies No. (55) Page (1-8) DOI: 10.33977/0507-000-055-007 - December 2020

- **Feb. 2020** *Experimental Investigation on the Alleged Gender-differences in Pedestrian Dynamics*: A Study Reveals No Gender Differences in Pedestrian Movement Behavior. R Subaih, M Maree, M Chraibi, S Awad, T Zanoon. IEEE Access PP (99):1-1 DOI: 10.1109/ACCESS. 2020. 2973917
- **June 2019** *Gender-based Insights into the Fundamental Diagram of Pedestrian Dynamics*. R Subaih, M Maree, M Chraibi, S Awad, T Zanoon, International Conference on Computational Collective Intelligence, 613-624, 2019.
- **Dec 2016** Conference paper: “*Economic Analysis of the impact of ICT on economic growth for Qatar in globalization context*”. Rami Hodrob, Sami Awad, Arab American University. 16th International Scientific Conference Globalization and Its Socio-Economic Consequences University of Zilina, Czech Republic PP 654
- **Oct- 2016** Conference paper: “*e-Citizen as a proposed solution for land ownership problems in the land management sector in Palestine*”. Sami Awad, Nihad Awad Arab American University, Palestine Land Authority. 2016 EUROMENA Dialogue on Public Administration. Muscat, Oman.
- **Dec 2014** Conference paper: “*An Empirical study of critical factors of electronic commerce adoption*”. Rami Hodrob, Sami Awad, Arab American University. Multidisciplinary Academic Conference on Economics, Management and Marketing in Prague 2014, Czech Republic
- **Jan 2008** Research project: “*Palestinian ICT Market liberalization, economic analysis and Future roadmap*”. Dr. Khalid Rabayah, Sami Awad, from the Arab American University, and Dr. Naser Abdel Kareem Birzeit University. Research sponsored by PITA and concluded with a publication
- **Dec 17, 2007** Conference presentation: “*Broadband and investment opportunities in the Palestine ICT sector*” presented at the conference “Promoting investment in the Palestinian Telecom Sector” Palestine IT Association (PITA) and PIBF.