

CURRICULUM VITAE

Omar Yousef Abdullah Al-Adwan

(Associate Professor, Ph.D.)

The University of Jordan

King Abdullah II School for Information Technology

Computer Information Systems Department

Amman 11942 - Jordan



Personal Information

Nationality: Jordanian

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Publication List: <http://academic.ju.edu.jo/adwanoy/Lists/PublishedResearches/AllItems.aspx>

Google Scholar Citations: http://scholar.google.com/citations?user=IS_2z0sAAAAJ&hl=en

ResearchGate Profile: https://www.researchgate.net/profile/Omar_Adwan3?ev=hdr_xprf

LinkedIn Profile: <https://www.linkedin.com/profile>

Current Position

Deputy Dean

The Deanship of Student Affairs

The University of Jordan

Amman - Jordan

Education

- August 2008 Ph.D. in Computer Science
Major: Systems Engineering
University: The George Washington University, Washington DC.
USA, GPA 3.76.
Dissertation: Increasing Efficacy of Emergency Department through
System Analysis of Enterprise Architecture.
- Jan. 1998 M.Sc. in Computer Science
Major: Software Engineering
University: The George Washington University, Washington DC.
USA, GPA 3.81.
- Jan. 1987 B.Sc. in Computer Science
University: Eastern Michigan University, Michigan USA, GPA 3.0
- June 1982 General Secondary Education Certificate Exam Scientific Branch,
GPA 87%

Research Interests

- Software Engineering
- Systems Engineering Tools
- Requirements Engineering
- Software Testing and Evaluation
- Security, Control, and Audit of Information Systems
- Machine Learning & Neural Networks
- Image Processing
- Databases
- Data Mining

Professional Experience

Sept. 2017 – Present	Deputy Dean The Deanship of Student Affairs The University of Jordan
Sept. 2012 – May 2016	Chairman of Computer Information Systems Department King Abdullah II School for Information Technology The University of Jordan
Mar. 2015– Present	Associate Professor Computer Information Systems Department King Abdullah II School for Information Technology The University of Jordan
Sept. 2012–March 2015	Assistant Professor Computer Information Systems Department King Abdullah II School for Information Technology The University of Jordan
Sept. 2010 – Sept. 2012	Lecturer Computer Information Systems Department King Abdullah II School for Information Technology The University of Jordan
Jun. 2011 – Sept. 2012	Assistant Director Computer Center The University of Jordan
Nov. 2010 – Sept. 2011	Assistant Dean for Development and Computer Affairs Faculty of Graduate Studies The University of Jordan

Sept. 2005 – Aug. 2008	Graduate Research Assistant The George Washington University Washington DC, USA
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Sept. 1993 – Sept. 2010	Programmer, Systems Analyst, Project Manager, Division Head Central Bank of Jordan Amman, Jordan
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Jan. 1992 – Sept. 1993	Programmer/System Analyst Ministry of Finance Amman, Jordan
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Sept. 1990 – Jan. 1992	Programmer/System Analyst Computer Center The University of Jordan
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Apr. 1989 – Sept. 1990	Programmer/System Analyst USAID Amman, Jordan
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Mar. 1987 – Mar. 1989	Programmer Royal Jordanian Air force Amman, Jordan
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Publications

International Journals

1. **O.Adwan**, A.Hueniti, M.Al-Zoubi, A.Hudaib, "Simple Image Watermarking Method Using Wavelet Transform", Australian Journal of Basic and Applied Sciences, (ISSN 1991-8178), Vol.8 No.(17), pp. 98-101, Nov. 2014.

2. M. Abushariah, A. Alqudah, **O. Adwan**, R. Yousef, "Automatic Heart Disease Diagnosis System Based on Artificial Neural Network (ANN) and Adaptive Neuro-Fuzzy Inference Systems (ANFIS) Approaches", Journal of Software Engineering and Applications (ISSN 1945-3124), Vol.7 No.12, pp. 1055-1064, 2014.
3. R. Yousef, **O. Adwan**, M. Abushariah, "Extracting SOA Candidate Software Services from an Organization's Object Oriented Models", Journal of Software Engineering and Applications (ISSN 1945-3124), Vol.7 No.9, pp. 770-778 2014.
4. A. Hudaib, M. Alnabhan, O. Harfoushi, R. Obiedat, **O. Adwan**, W. Adham. "Emerging Trends of Outsourcing Business to Cloud Computing Services: A Perspective Study", Communications and Network, (ISSN 1947-3826), Vol. 6, pp. 1-8, 2014.
5. **O. Adwan**, H. Faris, K. Jaradat, O. Harfoushi, N. Ghatasheh. "Predicting Customer Churn in Telecom Industry Using Multilayer Perception Neural Networks: Modeling and Analysis", Life Science Journal (ISSN 1097-8135), Vol. 11, No. 3, pp. 75-81, 2014.
6. **O. Adwan**, A. Sleit, M. Qatawneh, A. Huneiti, T. Khalil. "Implementing a Total Healthcare Enterprise Resource Planning System", Information Journal (ISSN 1343-4500), Vol. 16 No. 6, pp. 3997-4003, 2013.
7. T. Almarabeh, **O. Adwan**. "A Detailed Study of E-government Readiness in Jordan", International Journal of Computer Science Issues (ISSN 1694-0784), Vol. 10, No. 1, PP. 88-96, 2013.
8. **O. Adwan**, A. Hudaib, H. Fakhouri, L. Alnemer. "Microarray Gene Expression Extraction and Archiving Based on Local Spot Locations", International Journal of Computer Science Issues (ISSN 1694-0784), Vol. 10, No. 2, pp. 203-2008, 2013.
9. **O. Adwan**, A. Huneiti, A. Ayyal Awwad, I. Al-Damari, A. Ortega, A. Abu-Dalhoum, M. Alfonseca. "Utilizing an Enhanced Cellular Automata Model for Data Mining", International Review on Computers & Software (ISSN 1828-6003), Vol. 8, No. 2, 2013.
10. R. Yousef, **O. Adwan**. M. Abu-Leil. "An Enhanced Mobile Phone Dialler Application for Blind and Visually Impaired People", International Journal of Engineering and Technology (ISSN 2227-524X), Vol. 2, No. 4 PP. 270-280, 2013.
11. R. Al-Sayyed, B. AlFawwaz, **O. Adwan**, H. Fakhouri and M. Alkhalaileh. "Search Engines in Website Security Leak", World Applied Sciences Journal, (ISSN 1818-4952), Vol. 20, No.5, pp 753-759, 2012.
12. **O. Adwan**, H. Alnajada, H. Faris, R. Obiedat, "Proposing Titles for Paragraphs Written in Arabic Language", European Journal of Scientific Research (ISSN 1450-216X), Vol. 68, No. 1 PP. 110-116, 2012.

International Conferences

1. **O. Adwan**, A. Ayyal Awwad, A. Sleit, A. Abu-Dalhoum. "A novel watermarking scheme based on two dimensional cellular automata", The 11th WSEAS International Conference on Computers and Computing (ICCC '11), Lanzarote, Canary Islands, Spain May 27-29, 2011.

ACADEMIC HONORS AND AWARDS

- Graduate Teaching Assistantship and school tuition award, The George Washington University, 2005-2008
- A scholarship From Central Bank of Jordan to study PhD in Computer Science, The George Washington University, Washington DC, USA 2005.
- Research Assistant, The George Washington University, 1996-1998
- A scholarship From Central Bank of Jordan to study M.Sc. in Computer Science, The George Washington University, Washington DC, USA 1996.

Consultations and Committees Membership

- **Committee Member** of Graduate Internship Program Steering Committee, Ministry of Information and Communications Technology, Amman - Jordan (June 2014 – Present)
- **Committee Member**, Higher Education Accreditation Commission, Amman – Jordan (June 2013).
- **Committee Member**, Higher Education Accreditation Commission, Amman – Jordan (December 2014).
- **Technical Job Interview Committee Member**, Ministry of Information and Communications Technology, Amman - Jordan (July 2014 – Aug. 2014).
- **Consultant** Bunat Al-Ghad Secondary School Information Technology (Amman-Jordan).

Academic Committees Membership

The University of Jordan Committees

- Member of University Board (Sept. 2013 – Sept. 2014).
- Member of E-Learning Committee (Aug. 2012 – present)
- Member of The University Restructuring Committee (June 2012 – Dec. 2012)

- Member of The University Hospital Health Information System Evaluation Committee (Jan. 2013, Nov. 2014)
- Member of The University Website Committee (May 2013 – Dec. 2013)
- Member of The University Computer Competence Exam Committee.
- Member of The University Competence Skills Committee (Mar. 2013).
- Member of MIS Program & BIS program Evaluation Committee (Jan. 2013).
- Member of Anti Plagiarism Implementation Committee (Feb. 2011).
- Chairman of Computer Center Servers Procurement Committee (May 2011).

King Abdullah II School for Information Technology Committees (Sept. 2012 – Present)

Member of Curriculum Planning Committee.

Member of E-learning Committee.

Member of Examinations and Quality Assurance Committee.

Member of Graduate Studies Committee.

Member of Ph.D. Program Committee.

Member of Social Committee.

Member of Graduation Project Committee.

Member of Local Community Reach Committee.

Member of Student Affairs Committee.

Member of e-Exam Committee.

Member of Accreditation Committee.

Member of Exams Committee.

Member of Scientific Research, Conferences, Seminars, and Expositions Committee

Member of Graduation Projects Committee.

Computer Information Systems Department Committees

Chairman of Curriculum Planning Committee.

Chairman of Quality Assurance Committee.

Chairman of Graduate Studies Committee.

Chairman of M.Sc. Thesis Examination Committee.

Chairman of Student Consultative Committee.

Chairman of Student Internship Committee.

Chairman of Social Committee.

Chairman of Scientific Research & graduate Studies Committee.

Member of Many M.Sc. Thesis – Examination Committees

Technical Skills

- Office Package: Microsoft Office Suite, Visio, MS Project.
- Programming Language: Pascal, C, C++, Java, SQL, COBOL, Oracle developer suite.
- Databases: Access, RDB, Oracle.
- Platforms: Windows XP/Vista/ 2003/2007,2010,++
- +2013, Mac, Linux, Unix, VAX Open VMS.

Professional associations

Member, INCOSE - International Council on Systems Engineering

Member, ISACA - Information Systems Audit and Control Association

Member, IIA - The Institute of Internal Auditors

Teaching

Undergraduate Level courses

Software Engineering

Database Concepts

Interpersonal Communication and Documentation

System Development and Analysis

Information System Auditing and Controls

Computer Skills

Graduation Project

Graduate Level courses

Advanced Software Engineering

Advanced Database Systems

Software Verification and Validation

Special Topics in Computer Information Systems

Advanced Topics Information System Auditing and Controls