

Date: March 7, 2024

WALID ARAFEH AL-AHMAD



PERSONAL INFORMATION

Title: Dr.

Academic Rank: Associate Professor

Date & Place of Birth: 3/3/1964, Aqbet Jaber

Nationality: Jordan/Belgium

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
PhD	Informatics	1996-1999	KU Leuven	Belgium
MS	Informatics	1988-1990	KU Leuven	Belgium
BS	Informatics	1985-1988	KU Leuven	Belgium

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
10/2023- to date	Associate	Middle East University	Software Engineering	Jordan
10/2017- 2/2018	Associate	Amman Arab University	Software Engineering	Jordan
2/2017 - 7/2017	Associate /visiting	KU Leuven	Computer Science	Belgium
2/2016 - 2/2017	Associate /Dean	Al Dar University College	School of Engineering and IT	UAE
1/2013 - 1/2016	Associate	GUST	Computer Science	Kuwait
9/2011 - 1/2013	Associate	King Saud University	Software Engineering	Saudi Arabia
9/2007- 9/2011	Associate	NYiT	IT	Jordan
9/2006- 9/2007	Associate /Head	Arab Academy	MIS	Jordan
9/2005- 9/2006	Associate	NYiT /assistant dean	IT	Bahrain
9/2002- 9/2005	Assistant	University of Sharjah	MIS	UAE
9/2001- 9/20002	Assistant	AlAkhawayn University in Ifrane	Software Engineering	Morocco
9/2000- 9/2001	Assistant	Amman Ahliyah University	IT	Jordan
9/1999- 9/2000	Assistant	American University of Sharjah	Computer Science	UAE
9/1999- 9/1999	Assistant	Applied Science University	Computer Science	Jordan

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
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PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
Al-Ahmad W., & Basil M. (2024).	A Code of Practice for Effective Compliance Management Using ISO19600.	Submitted to International Journal of Computer Auditing.		
Al-Ahmad W. (2013).	A Detailed Strategy for Managing Corporation Cyber War Security.	International Journal of Cyber-Security and Digital Forensics, 2(4), 1-9.		
Al-Ahmad W., & Bassil M. (2013).	Addressing Information Security Risks by Adopting Standards.	International Journal of Information Security Science, 2(2), 28-43.		
Al-Ahmad W., & Al-Oqaili A. (2013).	Toward a Unified Model for Successful Implementation of Outsourcing and Reversibility in Information Systems.	Journal of King Saud University- Computer and Information Sciences, 21(2), 229–240.		
Al-Ahmad W., & Bassil M. (2012).	Can a Single Security Standard Address Information Security Risks Adequately?.	International Journal of Digital Information and Wireless Communications, 2(3), 222-230.		
Al-Ahmad W. (2012).	Knowledge of Project Success and Failure Factors: Towards an Integration into SDLC.	International Journal of Information Technology Project Management, 3(4), 56-71.		
Al-Ahmad W. (2011).	Building Secure Software Using XP.	International Journal of Secure Software Engineering, 2(3), 62-75.		
Al-Ahmad W. (2010).	The Importance of Introducing an ICT4D Course into IT Curriculum.	International Journal of Education and Development Using ICT, 6(1), 66-75.		
Al-Ahmad W., Al-Fagih K., Khanfar K., Alsamara K., Abuleil S., & Abu-Salem H. (2009).	A Taxonomy of an IT Project Failure: Root Causes.	International Management Review, 5(1), 93-104.		
Khanfar K., Elzamly A., Al-Ahmad W., El-Qawasmeh E., Alsamara K., & Abuleil S. (2008).	Managing Software Project Risks with Chi-Square Technique.	International Management Review, 4(2), 18-29.		
Khanfar K., Khanfar R., Al-Ahmad W., & El-Qawasmeh E. (2008).	A New Enhancement for a Security Mechanism for Routers.	Journal of Computer Science, 4(7), 565-570.		
Alawneh A., Hattab E., & Al-Ahmad W. (2008).	An Extended Knowledge Management Framework during Software Development Lifecycles.	International Technology Management Review, 1(2), 43-62.		
Al-Ahmad W. (2006).	Object-Oriented Design Patterns for Detailed Design.	Journal of Object Technology, 5(2), 155-169.		
Al-Ahmad W. (2006).	A Framework for Conceptual Modeling in OOP.	Journal of the Franklin Institute, 343(4-5), 532-544.		
Al-Ahmad W., & Steegmans E. (2001).	Integrating Extension and Specialization Inheritance in Object-Oriented Languages.	Journal of Object-Oriented Programming, December Issue.		
Al-Ahmad W., & Steegmans E. (2000).	Inheritance in Object-oriented Languages: Requirements and Supporting Mechanisms.	Journal of Object-Oriented Programming, 12(8), 15-.		

Al-Ahmad W., & Steegmans E. (2000). A Critical Comparison of Class Variables and Methods in Object-Oriented Languages. *Journal of Object-Oriented Programming*, 13(1), 17-.

Al-Ahmad W., & Steegmans E. (1999). New Support for Specialization Inheritance. *Journal of Object-Oriented Programming*, 11(8).

Al-Ahmad W., & Steegmans E. (1999). A New Approach to Extension Inheritance. *Journal of Object-Oriented Programming*, 12(1).

Al-Ahmad W., & Steegmans E. (1998). Specialization of Behavior: Comparison, Critique, and a New Approach. *Journal of Object-Oriented Programming*, 10(9).

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date
Al-Ahmad W., & Basil M.	(2015). A Code of Practice for Effective Information Security Risk Management Using COBIT 5.	In IEEE Second International Conference on Information Security and Cyber Forensics.		
Al-Ahmad W., & Kolekar P.	(2014). Security in Depth Requires Secure Programming Languages Too.	In International Conference on Cyber-Crime Investigation and Cyber Security.		
Al-Ahmad W., & Al-Ahmad A.	(2014). Botnet Detection Using message Sniffing.	In International Conference on Digital Security and Forensics (DigitSec2014).		
Al-Ahmad W.	(2013). A Framework for a Corporation Cyber War Strategy.	In International Conference on Informatics Engineering & Information Science.		
Al-Ahmad W., & Al-Oqaili A.	(2013). A Risks-Driven Approach to Outsourcing and Reversibility in Information Systems.	In IADIS Information Systems 2013.		
Al-Ahmad W., & Najar S.	(2009). A Proposal for Establishing a National Coordinating CSIRT in Jordan.	In proceedings of ICICS 2009.		
Al-Ahmad W., & Al-Kaabi R.	(2008). An Extended Security Framework for e-Government.	In Proceedings of IEEE International Conference on Intelligence and Security Informatics.		
Al-Ahmad W.	(2004). A New Approach to Component-Oriented Programming.	In Proceedings of International Conference on Software Engineering Research and Practice.		
Al-Ahmad W.	(2004). A New Approach to Conceptual Modeling in OOP.	In Proceedings of International Conference on Modeling, Simulation, and Applied Optimization (ICMSAO2005).		
Al-Ahmad W.	(2003). Encapsulation in Object-Oriented Programming: Comparison & Evaluation.	In Proceedings of the Workshop on Encapsulation and Access Rights, in connection with the conference on Object-Oriented Information Systems, 2003.		
Al-Ahmad W.	(2001). On the Interaction between Programming by Contract and Liskov Substitution Principle.	In Proceedings of the ACS/IEEE International Conference on Computer Systems and Applications (AICCSA'2001).		
Al-Ahmad W., & Steegmans E.	(2000). Can the Liskov Substitution Principle and the Inheritance Mechanisms be Resolved.	In Proceedings of the 4th World Multiconference on Systemics, Cybernetics and Informatics (SCI'2000) and the 6th International Conference on Information Systems Analysis and Synthesis (ISAS'2000).		

Al-Ahmad W., & Steegmans E. (1999). Modeling and Reuse Perspectives of Inheritance can be Reconciled. In Proceedings of TOOLS Asia'99.

Al-Ahmad W., & Steegmans E. (1998). The Object-Oriented Languages: Shortcomings and Perspectives. In Proceedings of the IASTED International Conference on Computer Systems and Applications (CSA'98).

Badr A., Al-Ahmad W., Willems J., & Rubel P. (1994). Protection of Data Privacy for Open Data ECG Interchange. In Proceedings of Medical Informatics Congress (MIC'94).

Al-Ahmad W., Willems J., & Rubel P. (1994). ECG Data Interchange within the Framework of the SCP-ECG and OEDIPE Projects", Proceedings of Computers in Cardiology, 1994.

Al-Ahmad W., Willems J., & Rubel P. (1993). OSI standards for ECG Data Interchange: Use of ASN.1 in the OEDIPE Project. In Proceedings of Medical Informatics Congress (MIC'93).

BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date
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Al-Ahmad W.	Object-Oriented Programming Languages: Comparison and Evaluation, to be submitted for publication.			
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MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

UNIVERSITY COMMITTEES

Served as a chair of many university/ college/ department level committees (hiring, curriculum, research, schedule, learning facilities, graduate studies, etc.)

WORKSHOPS ATTENDED

Linking Assessment to Student Learning Outcomes, organized by CAA & ADEC, University of Sharjah, 7/12/ 2016.

Consultative Workshop on Turning Today's Youth into Tomorrow's ICTD Leaders, Incheon, Republic of Korea, 2010.

Microsoft Academic Days 2005, Doha – Qatar, 3-14/12/ 2005.

Microsoft Research Academic Days, Dubai, 24-26/04/2004.

Web Services: Oracle Approach, 2-days workshop presented by two senior developers from Oracle UK, Dubai, May 2003.

e-Management and its Role in the Development of Organizations, Dubai, 6/05/2003.

Workshop for PhD Students in the Object-Oriented Systems, in connection with ECOOP'97, Yavaskla, Finland, 1997.

Health Telematics for the 21st Century, Lisbon, Portugal, 1995.

Security Workshop for the Health Sector, In connection with AIMCOM, Brussels, Belgium, 1994.

WORKSHOPS OFFERED

Concepts of Object-Oriented Programming, 2nd Scientific Conference on Computers and their Applications, Amman, Jordan, 1998.

Information Security, Libya, 2008.

IT Risk Management, Amman, 19 – 28/08/2007.

Object Technology (requirements analysis, design, UML modeling, etc.) Amman, Jordan 2000 – 2010.

RESEARCH INTERESTS

Integrating security into software engineering activities.

Information security services and mechanisms.

Improving support for inheritance and other concepts in object-oriented languages.

Analysis and design methodologies and modeling techniques.

Project management in the context of IT developments with a focus on projects' risks.

Machine Learning

LANGUAGES

Arabic: Mother tongue

English and Dutch: second languages

OTHER COMMUNITY ACTIVITIES

Evaluating Project proposals submitted to the College Research Center at KSU, 2012/2013.

Examined a PhD thesis for Murdoch University, Australia, 2012.

Served as a member (chair) of the examination committee of several PhD theses at AABFS, 2006/2007.

Served as a member of the examination committee of several Master theses at Al Akhawayn University, 2001/2002.

Served as a member of the examination committee of several EMBA theses at the University of Sharjah, 2000-2005.

Served as a member of the examination committee of a Ph.D. thesis at the Katholieke Universiteit Leuven – Belgium, September 2003.

Served as a program committee member for several conferences.

Session chair at ICMSAO2005 conference, 2005.

Served as a member of the editorial board for the King Saud University – College of Computer and Information Sciences Journal.

Serving as a referee for the International Arab Journal of Information Technology (IAJIT). Received the Most Active Reviewer Certificate for 2008, 2009, and 2010.

Serving as a referee for the International Journal of Computing and Information Sciences (IJCIS).

Serving as a referee for the JEA Journal of Electrical Engineering.

Serving as a referee for KSU-CCIS Journal.

GRADUATE STUDENTS SUPERVISION

Student Name

Thesis Title

Supervised a PhD student at the Arab Academy for Banking and Financial Studies.

REFERENCES
