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Short Biography

Fawaz Ahmad M. MASOUD ALZAGHOUL is a full professor of Software Engineering. He got his Ph.D. in Software Engineering from the University of Liverpool (UK) in 1987. He was granted several academic awards and scholarships. After graduation, he worked at Yarmouk University for eight years. He was a director of the computer and information center for three years (1990-1993). In 1993 he went on leave from YU to Sultan Qaboos University (Oman) during which he worked in the Department of Computer Science. He was assigned the position of Vice-Dean of the King Abdullah II School for Information at the University of Jordan for three years (2003-2006) then the position of Dean of the same college starting from 20/8/2007 up 20/08/2009. While he was on sabbatical leave, he has assigned as Dean of Academic Research and Graduate Studies at AL Zaytoonah University of Jordan (2010-2011). From 2012 to 2013 he was assigned the task of restructuring and directing the Computer center at the University of Jordan and the outcome of that is the establishment of a fully equipped data center that serves the two campuses of Jordan University. He has published more than eighty papers in a number of research areas in; Computer Education and eLearning, Software Systems Development Methodologies, Software Engineering, Algorithms reengineering, Computer Networks Application, Software Systems Retrieval, Computer Arabization, Quality Metrics, and Quality Control, Database Applications, Applications of Artificial Intelligence. Currently, he is a director of the Arab Council for students training and Innovation, at the same time he is a full professor in software engineering in the Department of computer information systems at the University of Jordan.

ملخص سيرة ذاتية:

يعمل الدكتور فوّاز أحمد محمد مسعود الزّغول في قسم نظم المعلومات الحاسوبية/الجامعة الأردنية برتبة أستاذ(نظم المعلومات الحاسوبية وهندسة برمجيات). حصل على درجة الدكتوراة في هندسة البرمجيات من جامعة ليفربول في بريطانيا عام ١٩٨٧. وقد حصل خلال دراسته على العديد من المنح والجوائز الأكاديمية. التحق بعد تخرجه بجامعة اليرموك، وعمل لمدة ثماني سنوات في التدريس في قسم علوم الحاسوب، وكان مديرا لمركز الحاسوب والمعلومات لمدة ثلاث سنين (١٩٩٠-١٩٩٣)، غادرها بعد ذلك مباشرة عام ١٩٩٣ للعمل في قسم علوم الحاسوب في جامعة السلطان قابوس في سلطنة عُمان ثم عاد بعد ذلك ليواصل عمله في قسم نظم المعلومات الحاسوبية في الجامعة الأردنية حيث عين بوظيفة نائب عميدلكلية الملك عبدالله الثاني لتكنولوجيا المعلومات في الجامعة الأردنية لمدة ثلاث سنوات (٢٠٠٣-٢٠٠٦) ثم عين بعد ذلك عميدا لنفس الكلية بدءا من ٢٠٠٧/٨/٢٠ ولغاية ٢٠٠٩/٨/٢٠. عمل ا. د. الزّغول أثناء إجازة تفرغه العلمي عميدا للبحث العلمي والدراسات العليا في جامعة الزيتونة الأردنية(٢٠١٠-٢٠١١). في عام ٢٠١٢ ولغاية ٢٠١٣أسند للدكتور فواز إدارة وإعادة هيكلة مركز الحاسوب في الجامعة الأردنية وقد نتج عن ذالك إعادة الهيكلة وبناء مركز بيانات حديث يخدم الجامعة الأردنية بفرعيها (عمان والعقبة). نشر ما يزيد عن ثمانين بحثا في هندسة البرمجيات وتطوير النظم والخوارزميات، تطبيقات قواعد البيانات والذكاء الاصطناعي وشبكات الحاسوب والتعلم عن بعد والتعريب. وقد تركزت اهتماماته البحثية في وهندسة البرمجيات و نظم استرجاع المعلومات وقواعد البيانات. يعمل الآن منذ ٢٠١٩/٢/١٤ ولغاية الآن مدير المجلس العربي للتدريب والأبداع الطلابي الذي يتبع لاتجاد الجامعات العربية وفي نفس الوقت أستاذا لهندسة البرمجيات في قسم نظم المعلومات الحاسوبية في الجامعة الأردنية

CURRICULUM VITAE

1-RESEARCH SUMMARY

Prof. AL Zaghoul is a senior IEEE and ACM professional member and published over ٨٠ research papers published in international refereed journals and conferences, in the areas of Software Systems Development Methodologies, Software Engineering, Algorithms reengineering, Computer Networks, Software Systems Retrieval, Computer Arabization, Quality Metrics and Quality Control, database Applications, Applications of Artificial Intelligence, Computer Education and Distance Learning. Refer to the attached *Research Publications* for more details.

2- TEACHING SUMMARY

Thirty years of experience, after Ph.D., in teaching various topics of Computer Information Systems. Refer to the attached *Teaching Summary* for more details.

3- SERVICE SUMMARY

Actively involved in a number of activities at the department, college, and university levels (some of them are on a voluntarily basis). A summary of my administrative services to Yarmouk University, Sultan Qaboos University, the University of Jordan and AL Zaytoonah University of Jordan during the past years are given in the attached *Service Summary*.

4- RESEARCH INTERESTS

Software Systems Development Methodologies, Software Engineering, Algorithms reengineering, Computer Networks Application, Software Systems Retrieval, Computer Arabization, Quality Metrics

and Quality Control, Database Applications, Applications of Artificial Intelligence, Computer Education and Distance Learning.

QUALIFICATIONS

Degree	Specialization	Institution	Duration Of Study
Ph.D.	Software Engineering	The University of Liverpool, United Kingdom	1983-1987
MSC.	Computer Science	The University of Quide-e-zam/Pak.	1978-1980
MSC.	Math	The University of Karachi/Pakistan.	1977-1978.
BSC.	Math	The University of Karachi/Pakistan.	1973- 1977.

HONOURS/AWARDS

- Promoted to the full Professor rank at the University of Jordan, July, 2008.
- Promoted to the Associate Professor rank at Sultan Qaboos University in June 2001.
- Leading ranks in teaching evaluations at the University of Jordan and Sultan Qaboos University for several semesters.
- Received from Yarmouk University a scholarship award to pursue a Ph.D. degree in UK, 1984-1987.
- British Council Award, 1983-1984
- Quide-e-Azam University Award, 1978-1980

INVITED SPEAKER

- **Speaker in ERASMUS+ Project for the work package WP2.2 Advanced Software Engineering Methods, 29/1/2017 to 9/02/2017, The University of Jordan, King Abdullah School for Information Technology, 2017.**
- **2012 Conference on Innovations in Computing and Engineering (CICEN 2012).**
- **Information Technology Forum, towards an Information Society, held on May, 12-13/2009, Arab Open University, Amman-Jordan, 2009.**
- **International Workshops on Frontiers of Information Technology held on Dec. 20-21, 2006, Islamabad, Pakistan, 2006.**

EMPLOYMENT HISTORY:

DATE	LEVEL OF APPOINTMENT	NAME OF EMPLOYER
15.05.1981 - 15.06.1982	Programmer	Yarmouk University Computer Center
15.06.1982 - 5.07.1983	Instructor	Yarmouk University Computer Science Dept.
5.07.1983 - 17.09.1987	Research student	The University of Liverpool
19.09.1987 - 01.09.1993	Asst. Professor	Yarmouk University Computer Science Dept.
01.09.1990 - 01.09.1993	Director of Computer Center	Yarmouk University

01.09.1993 -01.06.2001	Asst. Professor	Sultan Qaboos University Computer Science Dept.
01.06.2001-20-09-2003	Associate Professor	Sultan Qaboos University Computer Science Dept.
21-09-2003- 21-09-2006	Associate Professor/Vice Dean of KASIT	The University of Jordan(CIS Dept).
21-09-2006-20-8-2007	Associate Professor	The University of Jordan(CIS Dept).
20-8-2007-13-7-2008	Associate Professor, Dean of KASIT	The University of Jordan
14-7-2008-20-8-2009	A Full Professor, Dean of KASIT	The University of Jordan
20-8-2009 -7-2-2010	A Full Professor of CIS	The University of Jordan
18-2-2010-12-92010	A visiting Professor of CIS	AL Baha University, SA.
12-9-2010- 11-9-2011	Dean of the Academic Research and Graduate studies	AL Zaytoonah university of Jordan
12-9-2011-1-9-2012	A full professor at CIS Dept.,	the University of Jordan
1-9-2012-1-9-213	Computer Center Director	The University of Jordan
1-9-2013 till date	A full professor at CIS Dept.,	the University of Jordan

RESEARCH PUBLICATIONS (REFEREED JOURNAL & CONFERENCE PAPERS):

1. Duha Al-Darras, **Fawaz A. Alazghoul** , "A Review of Using NoSQL Databases on the Internet of Things (IoT) Applications", submitted to the **International Conference on Information Technology (ICIT), 2023**.

2. **Fawaz A. Alazghoul** , Rawan Mustafa Abu-Hammad, Maha Dirar Al barghouti, Monia Ala-Alden Alnsour, and Ahed Taleb Al-abbadi, "The Impact of Utilizing the ICT Tools in Online Learning at the University of Jordan" under preparation, 2022.

3. Esra Alzaghoul, Mohammad Belal Al-Zoubi, Ruba Obiedat, **Fawaz Alzaghoul,** "Applying Machine Learning to DEM Raster Images", The Journal of Technologies, indexed in JCR, Published: 15 November 2021".

4. Esra Alzaghoul, Faten Hammad, **Fawaz A. Alzaghoul** and Moh'D Habib Samkari, "An Auto Defense Approach to Enhance the Web Application Availability", Advanced Research & Studies Journal, Journal ISSN: 2692-2800, Vol. 11 No. 6, PP. 79-94, 2020.

5. Noor Alhammad, Mohammad Akour, Esra F. ALzaghoul**, Fawaz A. ALzaghoul**, "Evolutionary Neural Network Classifiers for Software Effort Estimation **International Journal of Computer Aided Engineering and Technology**, **Vol. 12, No. 4**, 2020.

6. Inas Abuqaddom, Hadeel Alazzam, Amjad Hudaib, **Fawaz Alzaghoul**, "A measurable Delivering a European PhD Curriculum for Software Engineering website usability model: Case Study University of Jordan", the 10th International Conference on Information and Communication Systems (ICICS2019), Jordan University of Science and Technology, Irbid-Jordan 2019.

7. Esra F. Alzaghoul, Hussam N. Fakhoouri & **Fawaz A. Alzaghoul,** "Automatic Recovery of Database Structure (ARDS)", Modern Applied Science; Vol. 12, No. 10; 2018.

8. Janet Read, Ahmed Seffah, Gleb Radchenko, Lena Sorensen, Peter Forbrig, Andrey Sozykin, Suleiman Mustafa**, Fawaz Alazghoul**, Alexander Yurkov, Rehab Duwairi and Igor Illin, ""Delivering a European PhD Curriculum for Software Engineering", the ITiCSE 2018 (23rd Annual Conference on Innovation and Technology in Computer Science Education", 2018.

9. Antti Knutas, Ahmed Seffah, Lene Sorensen, **Fawaz A. Al-Zaghoul**, and **Alain Abran**, "Crossing the Borders and the Cultural Gaps for Educating PhDs in Software Engineering", accepted for publication in the IEEE 30th Conference on Software Engineering Education and Training, Savannah, Georgia, November 7-9, 2017, **Added to IEEE Xplore:** 07 December 2017.

10. **Fawaz A. ALzaghoul**, Amjad Hudaib1, Raneem Qaddoura, Mais Haj Qasem, and Alaa Abu-Srhan, "A Weighted Framework for Process Model Selection", published in the CAINE 2017: 30th International Conference on Computer Applications in Industry and Engineering Hilton San Diego/Harbor Island San Diego, CA, USA, October 2-4, 2017.

11. **Fawaz A. Al-Zaghoul**, Khair Eddin Sabri, and Eman Al-Thwaib, "**Software** Agent in E-Learning Mobile Application for Kindergarten Students", New trends in Information Technology, 25-27 April, 2017.

12. Ishaq Sandoqa , **Fawaz Alzaghoul,** Hamad Alsawalqah, Esra Alzaghoul, Loai Alnemer, and Mohammad Akour, "Statistical Debugging Effectiveness as a Fault Localization Approach: Comparative Study", Journal of Software Engineering and Applications (JSEA), 2016.

13. Heba I., Abu Kaff, Thair Hamtini, **Fawaz Alzaghoul,"** Importance of Dynamic Identification of Learning Style on the Efficacy of Adaptive e-Learning Systems", International Review on Computers and Software, Vol 11, No 2., 2016.

14. **Fawaz Ahmad AlZaghoul**, Khair Eddin Sabri, and Enas F. Rawashdeh, "Ontology for Product Quality Attributes in Requirement Engineering", the 7th International Conference of Computer Science & Information Technology, 13-14 July-2016, Amman-Jordan-2016.

15. **Fawaz Ahmad AlZaghoul,** Noor Al Anbaki, and Mohammed T. Al-Baldawi, "A suggested sustainability pattern for online social networks: the face book as a case study", Fourth International Conference on Advances in Computing, Communication and Information Technology - CCIT 17-18-March-2016", Birmingham, UK, 2016.

16. Nawras Othman, Fares Othman**, Fawaz Alzaghoul** and Ahmed Alzaghoul, "Usability Degree for Arabized Open Source Software: Php My Bibli Integrated Library System as a Case Study", 2015 IEEE European Modelling Symposium (EMS), , IEEE Conference Publications, DOI: 10.1109/EMS.2015.60 Pages: 367 - 373, Date of Conference: 6-8 Oct. 2015, Spain: 2015, Date Added to IEEE Xplore: 03 October 2016.

17. **Fawaz A. AL Zaghoul**, Amjad Hudaib, and Hebtullah Khattab, " A Suggested Framework Of Critical Success Factors Affecting Library Information System Development", Zarqa University, Faculty of Educational Sciences, the International conference on the Innovation of the digital environment, 7-5-2015, Zarqa-Jordan, 2015.

18. Amjad Hudaib, **Fawaz. Al Zaghoul**, Maha Saadeh, and Huda Saadeh, "ADTEM-Architecture Design Testability Evaluation Model to Assess Software Architecture Based on Testability Metrics" **Journal of Software Engineering and Applications**, 8, P. 201-210, 2015.

19. **Fawaz A. AL Zaghoul**, Amjad Hudaib, Mohahammad Abu Shareeah, and Assal AL Qudah, " A Suggested Framework For Software Requirements Classification", UKSim-2015, the 17th International conference on Modelling and Simulation, Cambridge University (Emmanuel College), 25-27-March, UK, 2015.

20. **Fawaz Al-Zaghoul, "** The Challenges Facing Software Engineering over the next two decades", the third International Conference on Modern Information Technology Trends(MITT) held at the Applied Science University, Amman-Jordan, 10th of December, 2014.

21. **Fawaz Alzagoul et al**., "Software Engineering Education in Jordan", Proceeding of the 6th International Conference on Computer Science and Information Technology (CSIT), 26-27 March 2014, **Date Added to IEEE Xplore:** 01 May 2014.

22. **Fawaz A. AL Zaghoul**, Osama M. Rababah, and Hussam Fakhouri, " Website Search Engi Optimization: Geographical and Cultural Point of View", UKSim-AMSS, the 16th International conference on Modelling and Simulation, Cambridge University (Emmanuel College), 26-28-March, UK, 2014.

23. Osama Rababah, Muhannad Al-Shboul, **Fawaz Al-Zaghoul**, Rawan Ghnemat, "Website Search Engine Optimization:Geographical and Cultural Point of View", Journal of Software Engineering and Applications(JSEA),, Vol. 7, P. 1087-1095, 2014.

24. Rizik M. H. Al-Sayyed, **Fawaz A. AL Zaghoul**, Dima Suleiman, Mariam Itriq, Ismail Hababeh, "A New Approach for Database Fragmentation and Allocation to Improve the Distributed Database Management System Perform", The Journal of of Software Engineering and Applications (JSEA), Vol.7 No.1, P. 892-905,1 2014.

25. **Fawaz A. Al-Zaghoul** and Sami Al-Dhaheri, "Arabic Text Classification Based on Features Reduction Using Artificial Neural Networks", UKSim-AMSS, the 15th International conference on Modelling and Simulation, Cambridge University (Emmanuel College), 10 - 12 April UK, 2013.

26. Osama M. Rababah, Muhannad and **Fawaz A. Masoud AL Zaghoul**, "Utilizing Knowledge Management in Education: The Case of "The University of Jordan", the International Journal of Emerging Technologies in Learning (iJET),, Kassel University press, P. 58-61, March, 2013.

27. **Fawaz A. Masoud**, "Recent trends in software engineering", Invited speaker in the Second Conference on Innovations in Computing & Engineering Machinery (CICEM 2012), held in GRAND HYATT AMMAN HOTEL, Amman Jordan (CICEN 2012).

28. **Fawaz Ahmad Al-Zaghoul, "** A suggested global framework for e-school', the proceeding of ICIT 2011, AL Zaytoonah University of Jordan, 2011.

29. Osama M. Rababah and **Fawaz .A. Masoud**, "Ranking E-Business Website Quality Factors", Communications of the International Business Information Management (CIBIMA)" Journal (ISSN: 1943-7765), Vol. 2010 (2010), P. 1-9, Published by IBIMA, USA, 2010.

30. **Fawaz A. Masoud**, Ayman AL-Nsour and Osama Rababah" Ranking Quality Factors for Measuring Web Service Quality" Proceedings of the 1st ACM Jordan Professional Chapter ISWSA annual International Conference, on Intelligent Semantic Web - Services and Applications, Amman, Jordan.2010.

31. Osama Rababah, and **Fawaz A. Masoud** "Ranking E-Business Website Quality Factors", Published at the conference of the International Business Information Management (CIBIMA)", Moroco, 2009.

32. **Fawaz Ahmad Masoud,** Imad Khaled Salah, Obeidat Abdel-Salam, Alaa Abu Khalil and Oqeili Saleh, " Multiple Dynamic Skip String Matching Algorithm", the *Journal of Basic Science and Engineering*, Published by Yarmouk University, Vol. 17 (1), PP. 367-380, Jordan, 2008.

33. M. Al-Towaiq, **Fawaz Ahmad Masoud**, A. B. Mnaouer, and K. DAY, "An Implementation of a Parallel Iterative Algorithm For The Solution Of Large Banded

System On a Cluster Of Workstations", the International Journal of Modeling and Simulation, . Indexed by Thomson ISI, Cambridge Scientific Abstract, Compendex (Engineering Information), FIZ Karlsruhe and INSPEC, Published by ACTA Press, Vol. 28, No. 4, P. 378-386, 2008.

34. **Fawaz A. M. Masoud**, Qatawneh Mohammad, Wesam Almobaideen, Alshraideh Mohammad, Nabil Abu Hashish, Oraib Megdady, Shatha Al-Asir, and Shorouq AlAdaileh, " Interactive RPC Binding Model", the European Journal of Scientific Research, ISSN 1450-216X, Published by European Journal Inc.(United Kingdome) Vol.27 No.1, P.112-119, 2008.

35. **Fawaz A. M. Masoud,** Moh'd Belal Al- Zoubi, Imad Salah and Ali Al-Dahoud, " Fast Algorithms for Outlier Detection", Journal of Computer Science, Science Publications 4 (2): P.,129-132, 2008.

36. **Fawaz A. Masoud**, Osama Rababah, and Thair M. Hamtini, "A critique of E-Commerce Evaluation Models", Published at the 12th World Multi-Conference on Systems, Cybernetics and Informatics, June, 29 to July 2nd, 2008, P.39-45, Orlando, Florida, USA, 2008.

37. **Fawaz A. M. Masoud**, Amjad A. Hudaib and Ahmad Sharieh "A Suggested Framework for Producing Electronic Courses", Published at the IEEE 3rd International Conference on Information & Communication Technologies: From Theory to Applications ICTTA'08, Damascus, Syria April 07-April 11, 2008.

38. S. Manaseer, **Fawaz A. M. Masoud**, A. A. Sharieh "Testing Loaded Programs Using Fault Injection Technique", World Academy of Science, Engineering and Technology, International Journal of Computer and Systems Engineering, Vol:1, No:3, 2007.

39. Hani Mahmoud Mimi, Wesam Almobaideen, **Fawaz Ahmad Masoud**, and Emad Qaddoura, "Performance Evaluation of Multicast ad hoc on-demand distance vector protocol", the journal of Computer Communications, Indexed by Thomson ISI, Published by Elsevier publication, Vol. 30, P.1931-1041, 2007.

40. Emad Abuelrub, Mahmoud Al Wadi, Amjad Hudaib and **Fawaz A. M. Masoud AL Zaghoul,** "Analytical Study of the Jordanian Accreditation Standards for Information Technology Programs", the international journal of human science,٥ th Year: Issue 3٥,Automn, Published by Human Sciences, P. 1-38, 2007.

41. **Fawaz A. M. Masoud,** Said Abu Shaar, Ayman Murad and Ghassan Kanaan, "Enhanced route Re-construction method for associativity Based Routing Protocol for Mobile AD HOC Networks"., the International Journal of Computer Science, , Published by Science Publication, New York, USA, 2 (12), P. 853-858, 2006.

42. Said Abu Shaar, **Fawaz A. M. Masoud,** Ayman Murad, Riyad AL Shalabi and Ghassan Kanaan, "Analysis of Enhanced Associativity Based Routing Protocol", the International Journal of Computer Science, Published by Science Publication, New York, USA, 2 (12), P. 859-869, 2006.

43. **Fawaz A. M. Masoud, D**ana H., and Deema H. Halabi, , "Asp.Net And Jsp Frameworks In Model View Controller Implementation", Proceedings of the International Conference on Information & Communication Technologies: from Theory to Applications(ICTTA'06), Volume 2, 24-28 April, 2006, Omayyad Palace, Damascus, Syria 2006.

44. **Fawaz A. M. Masoud**, Anas Hantash and Ahmad Al Omari "A Web-based Oline Registration for the Students at the University of Jordan", The Proceedings of the 4th IEEE International Multiconference on Computer Science and Information Technology(CSIT 2006), Applied Science Private University, Faculty of Computer Science and Information Technology, PP. 327-335, Amman, Jordan, April 05-07, 2006.

45. Yahya M., A., **Fawaz A. M. Masoud.,** and Hudaib A., " The effect of Software Development Environment on Software Cost Estimation", The Proceedings of the 10th World Multi-Conference on Systematic, Cybernetics and Informatics, IIIS, July 16-19, PP. 239-243, Orlando, Florida, USA, 2006.

46. Osama Rababahah, Ray Dawson, Roger Knott and **Fawaz A. Masoud** "Quality Assessment of E-Commerce Websites Using Bayesian Belief Networks", The International Conference on Multidisciplinary Information Sciences and Technologies, InSciT2006, Mérida, SPAIN, October 25th-28th, 2006.

47. Osama K. Al Shara and **Masoud Fawaz. A.,** " Experience Usability Life Cycle: A project documentation methodology ", The Proceedings of the International Systems Conference, San Diego State University, USA, July 14 – 16, 2006.

48. Osama Al Shara **and Masoud F. A.,** "Technology Enabled Interdisciplinary Project Based Learning (IPBL)", The Proceedings of the International Joint Conference on Computer, Information and Systems Sciences and Engineering (IETA 2005), University of Bridgeport, USA 10-20 Dec. 2005.

49. **Fawaz A. Masoud** and Moh'd Belal Al- Zoubi, " An Efficient Database System For Utilizing GIS Queries", The Proceedings of SCSS 2005, Advances in Systems, Computing Sciences and Software Engineering, Springer, P. 271-275, 2005.

50. **Fawaz A. Masoud,** Heba_tallah Khattab, and Mahmoud AL-Karazoon, "University of Jordan Case Tool(UJ-Case-Tool for Database Reverse Engineering", International Academy of Sciences: Enformatika, Volume 9 Nov. 2005, ISBN 975-98458-8-1, Indexed in: Thomson-Gale, DEST, EEVL, EBSCO, Cambridge Scientific Abstracts (CSA), and DOAJ, PP. 28-31, Turkey, 2005.

51. **Fawaz A. Masoud,** SHAIKH M. U., and Osama M. A. Rababa's, "Predicting C++ Program Quality By Using Bayesian Belief Networks", The Proceedings of the International Conference on Information and Communication Technologies: From Theory to Applications, P. 1-8, ICTTA'04, 19-23 April 2004, Damascus, Syria, 2004.

52. A. B. Mnaouer, K. DAY, M. Al-Towaiq, **F. A. Masoud** , "Performance Evaluation of Database Systems Using Colored Petri Nets ", Journal for Scientific Research, Science and Technology, P.33-46, 2003.

53. Al-Saleh M. F. and, **Fawaz A. M. Masoud**, "A note on the Posterior expected loss as a measure of accuracy in Bayesian methods", the Journal of Applied Mathematics and Computation, Indexed by Thomson ISI, Elsevier Scientific Inc., North Holland, 134(2003), P. 507-514, 2003.

54. K. DAY, M. Al-Towaiq, **Masoud F. A.** , and A. B. Mnaouer, "Comparative Performance Evaluation of Client-Server Database Systems", the proceedings of the 2003 International Arab Conference on Information Technology (ACIT'2003), Alexandria, Egypt, P.254-261, December 20th-23th, 2003.

55. SHAIKH M. U., AL-BASTAKI Y., **Masoud F. A.** AND AL-ALAWI A., "Using An Expert Systems Model In Teaching The Development Of An Information Systems to Solve The Real Life Problems", The Proceeding of the International Conference on Information Technology & Natural Science. 68- 75, ICITNS 2003, Oct. 19-21, 2003, Al-Zaytoonah University of Jordan, Amman, Jordan, 2003.

56. Al-Wohaibi M. A., **Fawaz Ahmad Masoud**, Edwards H. M, " Fundamental Risk Factors in deploying IT/IS projects in Omani government organizations", the Journal of Global Information Management (Indexed by; Thomson ISI, Ulrich's International Periodicals Directory), IDEA GROUP PUBLISHING, Vol. 10, No. 4, P. 1-22, Oct-Dec., 2002.

57. **Fawaz A. Masoud**, Shihab K. And Al-Kofahi N., "Issues and Considerations for Processing Arabic Script", the proceedings of the WICS 2002, King Fahd University of Petroleum and Minerals, P. 214-223, March 17-18, 2002, Dhahran, Saudi Arabia, 2002.

58. Khaled Day, **F. A. Masoud**, Adel Ben Mnaouer, and Mohammad Al-Towaiq, "Centralized Versus Replicated Client-Server Database Systems", the proceedings of the IASTED International Conference on Applied Informatics (AI2002), P. 295-299, February 18-21, Innsbruck, Austria, 2002.

59. Al Khanjari Z., **Fawaz A. Masoud**, Swami K., and Hatim M. , "Plugging Software Tools in the Existing eLearning Portals ", the proceedings of the 2002 International Arab Conference on Information Technology (ACIT'2002), Qatar University, Qatar, P. 341-348, December 16th-19th, 2002.

60. Shihab K., **Fawaz A. Masoud**, and Ramadhan H., "Developing a Predictive Model for Groundwater Quality Based on Bayesian Reasoning", Advances in Simulation, Systems Theory and Systems Engineering. Electrical and Computer Engineering Series, a series of reference books and textbooks, published by WSEAS Press, P. 388-393, 2002.

61. Mnaouer A. B., K. Day, M. Al-Towaiq, and **Masoud F. A.,** "Colored Petri Nets Based Modeling and Simulations of Replicated Database Systems", the Proceedings of the 2002 International Conference on Information and Knowledge Engineering (IKE'02), pp-606-613, Las Vegas, USA, June 24-27, 2002.

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63. Mustafa S. H. And **Fawaz Ahmad Masoud**, "How Good is the Critical factor Concept in Estimating the   Average Number of Character Comparisons per Item in String Sorting", the Journal of Systems and Software, Indexed by Thomson ISI, Elsevier Scientific Inc North-Holland, P. 221-226, 2001.

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65. Mohammad Al-Towaiq, Adel Ben Mnaouer, Khaled Day and **Masoud F. A**., " A New Parallel Iterative Algorithm for Large Banded Shifted systems", the proceedings of the IASTED: International Conference on Applied Simulation and Modeling (ASM2001), September 4-7, 2001 Marbella, Spain, P. 355-358, 2001.

66. Khaled Day, Adel Ben Mnaouer, **Masoud F. A.,** and Mohammad Al-Towaiq, "A Fault Tolerant Asynchronous Data Replication Protocol", proceedings of the IASTED International Conference on Applied Informatics (AI2001), February 19-22, 2001, Innsbruck, Austria, P. 59-63, 2001.

67. Shihab K. and **Masoud F. A**, "Coding and Sorting Considerations for Arabic Characters: An   Empirical Study", the proceedings of the 2001 International Conference on Communication, Computer and Power (ICCCP"2001), Feb. 12 to 14, Muscat-Oman, P. 117-124, 2001.

68. A. Al-Ayyoub, **Masoud F. A.,** "Heuristics Search Revisited", the Journal of Systems and Software, Elsevier Scientific Inc North-Holland, Vol. 55, Issue 2, P. 103-113, December 2000.

69. Mustafa S. H. And **Masoud F. A**., "A backward Algorithm for Lexical Analysis of Textual Arabic Words", the Journal of Basic Science and Engineering, Vol. 9, No.1,Yarmouk University, P. 91-125, Jordan, 2000.

70. **Masoud F. A.,** Al Khanjari Z. A, Shaikh M. U., " The Role of Software Engineering Methodologies in Reducing the failures in Software Projects", the proceeding of the 2000 Arab Conference on Information Technology (ACIT'2000), P. 39-45, October 31st to November 2nd Jordan, 2000.

71. **Masoud F. A.,** "Applying Halstead's Metric to Oberon Language", the Journal of Science and Technology, published by Sultan Qaboos University, Muscat-Oman,4(1999), P. 45-53, 1999.

72. Al-Ayyoub A. E., **Masoud F. A**. and Ramadhan H. A., "Uni-directional vs. Bi-directional Search Techniques: An Experimental Assessment", the Proceeding of the International Conference on Artificial Intelligence (AI), Las Vegas, Nevada, USA, June 28th-July 1st, 1999, Vol. I of ICAI'99, P.7-10, USA, 1999.

73. Al-Ayyoub A. E., and **Masoud F. A.,** "Search Quality and Effectiveness for Intelligent Systems", Proceeding of the ISCA, 8th International Conference on Intelligent Systems, Denver, Colorado, June 24-26, 1999, P. 146-149, USA, 1999.

74. A. Al-Ayyoub, **Masoud F. A**., and S. AL-Yaqoubi, "Web-based Assessment and Maintenance for Graduation Projects", the proceeding of the Workshop on Information Technology (IT) in Higher Education, Organized and sponsored by the Association of Arab Universities and the University of Jordan, March 6-7, 1999.

75. **Masoud F. A and AL-Rawas** A., "Developing Strategic Plan for a Contemporary Teaching and Learning at Sultan Qaboos University" the proceeding of the Workshop on Information Technology (IT) in Higher Education, Organized and sponsored by the Association of Arab Universities and the University of Jordan, March 6 -7, 1999.

76. **Masoud F.** A., and Abdelrahman AL-Thuhli, "Assembling A Rapid Application Development Method (RADM) from SASD Method and Visual Basic Programming", Journal of institute of mathematics and computer sciences, (computer science series), 9(2), P. 51-55, December 1998.

77. **Masoud F. A**., "Problems Encountered When Using Jackson System Development (JSD) Methodology in Software Systems Development Process", IEEE 9th International Symposium on Software Reliability Engineering, Industrial Tracks, ISSRE'98, Paderborn, Germany, November 4-7, P. 214-222, 1998.

78. **Masoud F. A.,** "A Framework of CASE Tools and Representative Products in Systems Development Life Cycle (SDLC) Phases", Proceedings of The IEEE International Conference on Communication, Computer and Power, ICCCP'98, Sultan Qaboos University, Muscat, Oman, P. 68-73, December 7-10, 1998.

79. Shaikh M. U., **Masoud F. A.,** and Ahmad S. A-Hosni, "Software Graphical Documentation Tools" : Practice, Problems and Suggested Solution", Proceedings of the third International Conference on Recent Trends in Computer Science, Applications and Information Systems, P. 93-102, Held at Philadelphia University, Amman, Jordan on 30th June –2nd July, 1998.

80. **Masoud F. A**., Shaikh M. U., and Mustafa S. H., "SASD methodology from a practical point of view: problems and suggestions for improvement", Proceedings of Software Quality Engineering, P. 92-102, Udine, Italy, May 1997.

81. **Masoud F. A.,** and Shaikh M. U., "A Comparative study of system development methods/methodologies: ETHICS, JSD, MASCOT, SADT, SASD and LSDM", Journal of institute of mathematics and computer sciences, (computer science series), 6(2), P. 143-161, Dec. 1995.

82. Shaikh M. U., Mustafa S. H., and **Masoud F. A.,** "Formalizing the System Development Life Cycle (SDLC), An Abstract Procedural Frame Work", Journal of institute of mathematics and computer science (computer science series), 6(2), P. 85 103, June 1995.

83. **Masoud F. A.,** and Shaikh M. U., "Program Complexity: Analysis and Design", Journal of institute of mathematics and computer sciences, (computer science series), 6(2), P. 173-185, Dec. 1995.

B) FUNDED RESEARCH PROJECTS

- **Dr. Fawaz A. Alzaghoul,** and et al, ERASMUS+ Project titled as "Joint Programs and Framework for Doctoral Education in Software Engineering - PWs@PhD", The University of Jordan(about 200000 Euros), The University of Yarmouk, and Jordan University of Science and

Technology, with other partners from UK, Europe and Russia, from 15 Oct. 2015 to 14 Oct. 2018.

- **Dr. Fawaz A. Masoud** and et al, A suggested framework for e-learning courses, the University of Jordan, 2008. This research was supported by the Deanship of Academic Research at the University of Jordan, 2008.

- **Dr. Fawaz A. Masoud** and et al, **Project code**: JEP31005-2003-2006, **Project title**: Open Learning Models and Technologies. This project was funded by TEMPUS with 500,000 European EUROS.

- **Dr. Fawaz A. Masoud** and et al, developing a Framework for Designing and Implementing a Sorting Method for Processing Arabic Script, Sultan Qaboos University, College of Science Internal Fund No. SCI/07/20003.

- **Dr. Fawaz A. Masoud** and et al, Applying Dynamic Belief Networks model on Water Quality Forecasting Sultan Qaboos University, College of Science Internal Fund No. IG/SCI/01/02.

- **Dr. Fawaz A. Masoud** and et al, A pioneer High-Performance Computing Infrastructure at SQU: Set up and Applications, Sultan Qaboos University, College of Science Internal Fund No. IG/SCI/01/01.

C) UNREFEREED CONFERENCE RESEARCH PAPERS:

- **Masoud F. A.**, " The Role of Software Engineering methodologies in Reducing the Risk in Software Projects", the proceeding of the Workshop on Government Information Systems Between Success and Failure, Ministry of Palace Office, Muscat Oman, 14, Oct. 1999.

- **Masoud F. A**., Nasr B., and Al-Khadhra J., " Yarmouk University Library Information System between Reality and Hope", the proceeding of the Workshop on Information Systems and the Twenty First Century, June, 28-30, 1993.

- Hannell M. A, **Masoud F. A**, Shaikh M. U., "Fundamental Issues in Arab World Computer Education". Proceeding of Yarmouk University Conference on Computer Science, Jordan, 1985.

D) BOOKS

- The Application of Information Technology in Education. Edited by **Fawaz A. ALZAGHOUL** and others, 2008.

- "Data structure and file management", AL-Qudus Open University, 1993, Edited by **Masoud F. A.** and others.

- I have refereed many books and articles in Systems Analysis and Design, Software Engineering, Distance Learning and AI.

F) TECHNICAL REPORTS:
- **Masoud F. A**. "the *Design Issues of the Students Information Systems in Yarmouk University", CIC01/90.*

- **Masoud F**. **A**. "t*he Data Security of the Computer and Information Center at Yarmouk University*", **CIC02/90.**

- **Masoud F. A.** "the *Security Level which should be imposed on the Library Information Systems in Yarmouk University*", *CIC03/91.*

- **Masoud F. A**. "the *SDLC of the Information Systems in Yarmouk University*", **CIC04/91**.

- **Masoud F**. **A.** and Musameh A., "*Design and Implementation of the Inventory Stock Control System in the Inventory Department at Yarmouk University*", **CIC05/91**.

- **Masoud F**. **A.** and Batayneh N. "the *Problems encountered in applying students affairs computer systems at Yarmouk University*", **CIC06/92**.

- **Masoud F**. **A**. and Al-Khadra J., "the *Automation of the Scholarship system in the Personnel Department at Yarmouk University*", **CIC07/93.**

TEACHING SUMMARY

Twenty seven years experience in teaching various topics in Computer Information Systems, including:
- Software Engineering for MSC and Ph.D. level.
- Systems Development and CASE Tools.
- Systems Analysis,
- Programming Languages including Visual Basic, C, C++ and Java,
- Database Management Systems,
- Advanced Database Applications, Design, Development and Management,
- Object Oriented Analysis, Design and Development using CASE tools,
- Internet Programming and Development (Java Scripting HTML and VB Script),
- File Processing,
- System Development Methods,
- Operating System,
- Computer Programming using C, PASCAL, VISUAL BASIC, ACCESS DBASE,
- Principles of Algorithms and Data Structures,
- Digital Logic Design
- Int. to Personal Computers and Applications for Medical students,
- Int. to Personal Computers and its Applications in Arabic,
- Introduction to computer in Business,
- Introduction to Personal Computers and Packages,
- Business Mathematics II,
- Advanced Skills in Computer.

During the last ten years at the University of Jordan and for the last 10 years at Sultan Qaboos University, I have been involved in teaching, research, curriculum development, and administrative duties. In this period of time, I have taught, advised and supervised about 15000(Fifteen thousands) students in various Computer Science courses. I have coordinated many big sections. Always my teaching evaluation is very good. In a recent

evaluation form, I have been rated among the top 2.3% in the College of Science. At Yarmouk University, I have taught and supervised more than 7000(seven thousands) students from the period 1987-1993.

SERVICE SUMMARY and PROFESSIONAL WORK EXPERIENCE:

Thirty years of professional computer science work out of which four years were spent performing management duties of a major data processing of computer and information center dealing with management information system (MIS), database administration and real time systems. Also, twenty years performing system analysis, system design, feasibility studies, program development, system testing, user training, system documentation, and computer science teaching.

DEPARTMENTAL ACTIVITIES AT THE UNIVERSITY OF JORDAN
- Coordinator of the scientific committee.
- Member of the appointment committee
- Member of the Graduate Studies Committee at CIS Department 2004-2009.
- Supervising many BSc, projects.
- Supervising many MSC. thesis.
- Teaching many computer science and computer information systems courses for undergraduate and graduate students.

COLLEGE ACTIVITIES AT THE UNIVERSITY OF JORDAN

- New Trends in Information Technology Conference Organizer, 25-27 April, 2017.
- Dean of the King Abdullah II School of Information Technology, 2007-2009.
- Deputy Dean of the King Abdullah II School of Information Technology, 2003-2006.
- Acting Dean of the King Abdullah II School of Information Technology, 25-7-04-1-9-04.
- Promotion and Appointment Committee Member, KASIT, 2003-2004, 2004-2005., 2005-2009.
- Graduate Studies Committee Coordinator, KASIT, 2003-2004, 2004-2005, 2005-2007.
- Curriculum Committee Coordinator, KASIT, 2003-2004, 2004-2005, 2005-2006.
- Equipment Committee Coordinator, KASIT, 2003-2004, 2004-2005,2005-2006.
- Courses Equivalent Committee Coordinator, KASIT, 2003-2004, 2004-2005.
- Examination Committee Coordinator, KASIT, 2003-2004, 2004-2005.
- College Equipment Committee Coordinator, KASIT, 2003-2004, 2004-2005.

UNIVERSITY ACTIVITIES AT THE UNIVERSITY OF JORDAN
- Chairing and teaching Information and Communication Technology in Education that is directed by the University of Ohio (Athens), the University of Jordan and AL Faisal International Academy.
- Member of Technical Committee of the International Arab Journal of Information Technology (IAJIT), 2003-Date.
- Member of the accreditation Committee of the Philadelphia private University in Jordan. 2003-2005.
- Member of the accreditation Committee of the private University of Applied Science in Jordan. 2003-2005.
- Member of the accreditation Committee of Petra private University in Jordan. 2005-2006.
- Member of the accreditation Committee of AL-zaytoonah private University in Jordan. 2005-2006.

- Member of the accreditation Committee of Princess Summaya University of Technology in Jordan. 2008-2009.
- TEMPUS, JEP-31005-2003 Project representative of the University of Jordan, 2003-2008.
- One of the Participants who developed the syllabus of the graduate study program at the University of Jordan for CIS Department.
- TEMPUS Certificate, Training of Trainer, KASIT representative of the University of Jordan, 28-6-2005 to 1-7-2005.

DEPARTMENTAL ACTIVITIES AT SQU
- Member of the Social Committee, Department of Math and Computing, 1993-1994.
- Publicity Officer, Department of Math and Computing, 1994-1995.
- Member of the Social Committee, Department of Computer Science, 1995-1996.
- Projects Coordinator, 1995-1996.
- Safety Officer for the Department of Computer Science, 1996-1998.
- Comp2200 Coordinator for about 200 students, 1996.
- Computer Resources Committee Member, Department of Computer Science, 1996 & 1998.
- Comp1100 Coordinator for about 300 students 1997.
- Comp1200 Coordinator 1998 and 1999.
- Department Appointment Committee 1996, 1997, 1998 and 1999.
- Member of the Social Committee, 1997-1998.
- Coordinator of the Social Committee, 1998-1999. I have arranged many social trips to   the final year students and some of the staff in Computer Science Department to many places in Oman and one scientific trip for Computer Science Students to attend the Exhibition of GITEX at Dubai for one day on 29 October 1998.
- Acting Head of the Computer Science Department, July 21 to August 15, 1999.
- Coordinator of the Social Committee, Department of Computer Science, 2000-2001.
- Appointment Committee, Department of Computer Science, 2002-2003.
- Comp2010 (computer advanced skills) Coordinator for about 150 students 2003.
- Technical committee member, Proceedings of the annual Intl. Conf. On I.T. (ACIT).
- Supervising two PhD students in cooperation with the University of Sunderland and Loughborough.

COLLEGE OF SCIENCE ACTIVITIES AT SQU

- Science-Education College Coordinator for the Department of Computer Science,   1995/1996, 1996/1997, 1997/1998 and 1998/1999.
- External/Social Affairs: College of Science Coordinator for the Department of Computer Science, 1998/1999.
- College representative of research committee, 1998/1999, 1999/2000 and 2000/2001.
- College of Science board member (representative of Computer Science Department),1999/2000.
- Masoud F. A. and Al Khanjari Z. A, have coordinated a work shop on how to prepare an exercise book and solution for the three introductory courses of computer science for the teachers' College in Oman, the work shop held between 1-2 January, 2001 in the Department of Computer Science, College of Science, SQU, Oman.
- College of Science board member (representative of Computer Science Department), 2002-2003.

UNIVERSITY ACTIVITIES AT SULTAN QABOOS UNIVERSITY

- One of the Participants who developed the syllabus of the graduate study program at the University of Jordan, Jordan and Sultan Qaboos University, Oman
- Member of the technical committee of the 2000 Arab Conference on Information Technology ACIT'2000) that is held on October 24-26, 2000.
- Member of the technical committee of the 2001 International Arab Conference on Information Technology (ACIT'2001), that is going to be held on November 13th -15th, 2001, Jordan University of Science and Technology.
- Member of the technical committee of the 2002 International Arab Conference on Information Technology (ACIT'2002), that is held on Dec. 16th -19th, 2002, Qatar University.
- I have started on January 1999, to supervise partially one Omani student (Mohamed Ali AL Wohaibi) who is doing his Ph.D. at Sunderland University in England.
- Program Development and Technical Committee Member for Designing and Implementing a National Diploma in Computer and Information Systems at Sultan Qaboos University, 1999.
- Participated in the Interviewing of 156 candidates whom applied for admission at Sultan Qaboos University to get a National Diploma in Computer and Information Systems. The Interview held on 11th to 13th of July 1999.
- Member of the Screening Committee to select 100 applicants out of 156 for admission in National Diploma in Computer and Information Systems at Sultan Qaboos University, 1999.
- Member of the Information Technical Curriculum Preparation Committee, Ministry of Education, Oman 1999/2000.
- Coordinator of the Workshop of the Computer Science Teaching in the Teachers' Colleges in Oman held on 22-23/1/2000.
- Coordinator of the Workshop of the Computer Science Teaching in the Teachers' Colleges in Oman held on 1-2/1/2001.
- Served in the following SQU College of science committees: College Board, Strategic Planning, and External Relations.

INTERNATIONAL PROFESSIONAL SOCIETIES
- **ACM** senior membership**.**
- **IEEE** senior membership, Computer Society.
- **ISCA** (**I**nternational **S**ociety for **C**omputers and Their **A**pplications).
- **Member of the International Who's Who for Professionals.**
- **JCS.**

ADMINISTRATIVE POSTS AT YARMOUK UNIVERSITY:

- Director of Computer and Information Center at Yarmouk University, Irbid, Jordan from 1-9-90 to 1-9-93.
- Acting Head for Computer Science Department at Yarmouk University many times.
- Chairman of the Board, Computer and Information Center, Yarmouk University, Irbid,   Jordan from 1-9-90 to 1-9-93.
- Member of the Technical and Evaluation Committee for Tendering Computers for Yarmouk University, Irbid, Jordan from 1-9-90 to 1-9-93.

- Member of the Yarmouk University Housing Committee, Jordan from 1-9-90 to 1-9-93.

MSC. EXTERNAL EXAMINER

- The effect of Using Web Course Tools (WebCT) on the achievement and motivation of postgraduate students at Sultan Qaboos University.
- Investigation the Usefulness of Applying SSADM Methodology and System Life Cycle to Develop RAOPIS. College of Engineering, Sultan Qaboos University.

FINAL YEAR STUDENTS' PROJECTS INTERNAL EXAMINER

- Share management system. Exam held on Monday, June 6, 1994.
- Resource management information systems for director general services, ministry of health, Oman. Exam held on Wednesday, June 7, 1995.
- Oman Virtual Zoo, 2000.
- Constructing a Web-site and Reengineering of the Training and Staff Development System, SQU, May, 20001
- A structured approach applied to Arabic Number Recognition, SQU, May, 20001.
- Design and building a web sit for casualty Department SQU, May, 20002.

FINAL YEAR STUDENTS (PROJECTS' SUPERVISOR)

- Student Information System in Muscat Technical Industrial College, SQU, Oman, May 1997
- Program Inquiry Office System for the computer center at Sultan Qaboos University, SQU, Oman, and May 1997.
- Oman National Insurance Company System, SQU, Oman, May 1998.
- ATM machines networking software, SQU, Oman, May 1998.
- Reverse engineering for the Appointment software system at HSQU, Oman, May 1999.
- Dynamic Web Format Documentation for students Information Systems at Sultan Qaboos University, SQU, Oman, May 2000.
- Micro Oil Refinery Process WEB Pages, SQU, Oman, May 2000.
- Constructing a Web Site for contemporary learning of Software Packages course (Comp 1200), for the undergraduate students as Sultan Qaboos University, Oman, May 2001.
- Reengineering of the personnel software system at HSQU, Oman, May 2001.
- Developing an Information system for managing the female student's hostel at SQU, May 2002.
- Developing a library Information System using the unified modeling language at the Ministry of Place, Oman, July 2002.
- Developing an Information System for SQU staff club using Oracle database, May 2003.
- Predicting Software Quality using Bayesian Belief Networks May 2003.

SEMINARS and TRAINING GIVEN

- Data Protection and Security, Department of Math and Computing, Sultan Qaboos University, Muscat-Oman, 1994.
- One-Day Training Course given to the 2nd year students of DOMAC on 17th Jan. 1995.
- SASD methodology from a practical point of view: problems and suggestions for improvement, Department of Computer Science, Sultan Qaboos University, Muscat-Oman, 1997.
- Using CASE tools In Software System Development Process, Department of Computer Science, Sultan Qaboos University, and Muscat-Oman, 1998.

- Invited Speaker for the International Conference on Recent Trends in Computer Science, Applications and Information Systems, Held at Philadelphia University on 30th June –2nd July 1998.
- A lecture on Systems Analysis and Computer Systems Design given to Nizwa Teachers' College October 28,1997.
- The Role of Software Engineering methodologies in Reducing the Risk inSoftware Projects, Ministry of Palace Office, Muscat Oman, 14, Oct. 1999.
- Internet and Source of Information, Students Science Week 2000, Sultan Qaboos University, College of Science, March 12, 2000.
- Problems encountered in Managing software risks, Department of Computer Science, Sultan Qaboos University, Muscat-Oman, April 9, 2000.
- The role of Software of Engineering Methodologies in reducing Failures in Software Projects, CS Department, SQU, 15, Nov., 2000.
- Millennium of Science, Science week (17-21 February), SQU, 2001
- Issues and Considerations for Processing Arabic Script, April 3, 2002, Sultan Qaboos University.
- Predicting Software Quality Using Bayesian Belief Network, April 30, 2003, Sultan Qaboos University.

CONFERENCES

- Third International workshop on Software Specification and Design, August 26-27, 1985, Gloucester Hotel. London, U.K.
- 8th International Conference on Software Engineering. August 28-30, 1985 Imperial College, London, UK.
- Software Engineering 85 held at Southampton University, from 10-12 September 1985.
- Vector and Parallel Processor in Computational Science 3 Liverpool, U.K. 1987.
- Information technology and application, May 25-31, 1991 higher institute for applied science and technology, Damascus, Syria.
- An International Conference on Software Quality Engineering, Udine, Italy, May 1997.
- The Third International Conference on Recent Trends in Computer Science, Applications and Information Systems, Held at Philadelphia University on 30th June –2nd July 1998.
- The IEEE Ninth International Symposium and Workshop on Software Reliability Engineering, Paderborn, Germany, November 4-7, 1998.
- The IEEE International Conference on Communication, Computer and Power, ICCCP'98, Sultan Qaboos University, Muscat, Oman, December 7-10, 1998.
- Workshop on Information Technology in Higher Education, Organized by: The Association of Arab Universities and the University of Jordan, Amman-Jordan, April 10-11, 1999.
- Workshop on Government Information Systems between Success and Failure, Ministry of Palace Office, Muscat Oman, 14, Oct. 1999.
- The IEEE International Conference on Communication, Computer and Power, ICCCP'01, Sultan Qaboos University, Muscat, Oman, February 12-14, 2001.
- The International Arab Conference on Information Technology (ACIT'2000), Zarka Private University, October 31st to November 2nd, Jordan, 2000.
- The International Arab Conference on Information Technology (ACIT'2001), Jordan University of Science and Technology, 13/11/2001-15/11/2001, Jordan, 2001.

- The Workshop of Internet Computing Systems (WICS 2002), King Fahd University of Petroleum and Minerals, March 17-18, 2002, Dhahran, Saudi Arabia,
- The IASTED International Conference on Applied Informatics (AI2001), February 18-21, 2002, Innsbruck, Austria.

- WSEAS International Conference on Multimedia, Internet and Video Technologies (ICOMIV, 2002), Modeling and Optimization (ICOSMO 2002) and Signal Speech and Image Processing (ICOSSIP 2002), Skiathos, Greece, Sept. 25-28, 2002.

- The International Arab Conference on Information Technology (ACIT'2002), Qatar University, 16/11/2002-19/11/2002, Qatar, 2002.
- International Conference on Simulation, Modeling and Optimization, September, 25-28, 2002, Skiathos Island, Greece.

- The International Conference on Information Technology & Natural Science, ICITNS 2003, Oct. 19-21, 2003, Al-Zaytoonah University of Jordan, Amman, Jordan.

- The International Conference on Information and Communication Technologies: From Theory to Applications, ICTTA'04, 19-23 April 2004, Damascus, Syria.

- The International Conference on Information Technologies, Istanbul, 17-19 Dec., 2004, Turkey, 2004.

- The International Conference on Information Technologies, ESSE 2005, Istanbul, 25-27 Nov., 2005, Turkey, 2005.

- The International Arab Conference on Information Technology (ACIT'2005), ALIsra Private University, 6th to 8th December, Amman- Jordan,2005.

- The Middle East Education Market ACADEMIA LEBANON® 2006 The 6th International Convention on Higher Education & Training 23 – 25 February 2006 Intercontinental Phoenicia Hotel – Beirut.

- The 4th International Multiconference on Computer Science and Information Technology CSIT 2006(CSIT 2006), April 5th-7th , Amman-Jordan, 2006.

- The Fourth Annual Conference of Learning International Networks Consortium (LINC), Technology-Enabled Education: A Catalyst for Positive Change, October 28-30, 2007, Amman, Jordan.

- The International Arab Conference on Information Technology (ACIT'2008), Hammamat (Tunis), 15-18 December, Tunisia, 2008.

- The International Arab Conference on Information Technology (ACIT'2009), Sana (Yemen), 13-18 December, Yemen, 2009.
- The 15th International conference on Modelling and Simulation, Cambridge University (Emmanuel College), 10 - 12 April UK, 2013.
- Fourth International Conference on Advances in Computing, Communication and Information Technology - CCIT 17-18-March-2016", Birmingham, UK, 2016.

- The International conference on the Innovation of the digital environment, 7-5-2015, Zarqa-Jordan, 2015.

- The 17th International conference on Modelling and Simulation, Cambridge University (Emmanuel College), 25-27-March, UK, 2015.

- The third International Conference on Modern Information Technology Trends(MITT) held at the Applied Science University, Amman-Jordan, 10th of December, 2014.

- The 6th International Conference on Computer Science and Information Technology (CSIT), 26-27 March 2014, **Date Added to IEEE Xplore:** 01 May 2014.

- The 16th International conference on Modelling and Simulation, Cambridge University (Emmanuel College), 26-28-March, UK, 2014.

- The 7th International Conference of Computer Science & Information Technology, 13-14 July-2016, Amman-Jordan-2016.

- The Consortium of the Arab Universities about the student's innovation project, Al-Shorouq College University, Dec. 11-15, 2021.

- Attending the conference of UNIMED GENERAL ASSEMBLY | Amman, 22-23 June 2022.

GRADUATE STUDIES

- Co-supervisor for two Ph.D. students at Bradford University and Loughborough University, UK.
- The main supervisor for a master thesis of Mr. Saher AL manaseer.
- The main supervisor for a master thesis of Mr. Majid AL Yahya
- I have taught Comp 6014 (Advanced Database Systems) for Post-Graduate students at SQU.
- I have taught the following courses for Post-Graduate students at the University of Jordan:
    - 1902910(Software Engineering for PhD. Students).
    - 1902713(Software Engineering)
    - 1902723(Database Systems)
    - 1902763(Database Management Systems)

REFEREES ON REQUEST.