Photo	**Essam Faleh Al Daoud** Email:essamdz@zu.edu.jo

Computer Science/ Security

Academic Rank: Professor

Membership:

1	**Member of the Technical Committee of the International Arab Conference on Information Technology (ACIT).**
2	**Member of the Editorial board of the International Arab Journal of Information Technology (IAJIT).**
3	**Founding member of the international center for scientific research and studies (ICSRS)** **http://www.i-csrs.org**
4	**Chairman, Committee for Graduate Studies, Faculty of Information Technology and Computer Sciences**
5	**Member, Science Research Committee, Faculty of IT and Computer Sciences**
6	**Member, Promotion Committee, Faculty of Information Technology and Computer Sciences**

Qualifications:

1999- 2002	Philosophy Doctorate (Ph. D)Computer Science Department, University Putra Malaysia. Thesis: An Improved Public Key Cryptography Based on Elliptic Curve
1998-1995	Master's of Science Al al-Bayt University, Jordan. Thesis: A new Algorithm Based On Direct Methods For Solving Sparse Linear Systems
1991-1989	Bachelor of Science Mu'tah University.

Professional Objective(s):

Teaching Experience:

#	From	to	
1	2015	Now	Full–time Professor, Computer Science Department, Zarqa University, Jordan. Responsibilities include teaching, advising students, research, and participating in various committees
2	2010	2015	Full–time Associate Professor, Computer Science Department, Zarqa University, Jordan. Responsibilities include teaching, advising students, research, and participating in various committees
3	2010	2012	Head of Computer Science Department Faculty of Science and Information Technology, Zarqa University, Jordan. Responsibilities include teaching, advising students, research, and participating in various committees.
4	2002	2010	Full–time Assistant Professor, Computer Science Department, Zarqa University, Jordan. Responsibilities include teaching, advising students, research, and participating in various committees.
5	2000	2002	Full–time Lecturer, Faculty of Information Technology, Multimedia University, Malaysia. Responsibilities include teaching, advising students, research, and participating in various committees.
6	1998	2000	Full–time Lecturer, Faculty of Information Technology, INTI college University, Malaysia. Responsibilities include teaching, advising students, research, and participating in various committees.

Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
1.	A New Addition Formula For Elliptic Curves Over $GF(2^n)$	IEEE Transactions on Computers **IEEE** **(Impact factor = 2.6)**	2002 Vol. 51 No. 8
2.	An Improved Algorithm for the Solution of Sparse Linear Systems	*J. Inst. Math. & Computer Sciences, (Comp. Sc. Ser.)*	2003 Vol. 14 No. 1
3.	An Improved Implementation of Elliptic Curve Digital Signature by Using Sparse elements	*The International Arab Journal of Information Technology.*	*2004 Vol. 1 No. 2,*
4.	Incremental Learning of Auto-Association Multilayer Perceptrons Network. pp 16-20.	The International Arab Journal of Information Technology.	2006 Vol. 3 No. 1
5.	Adaptive Quantum lossless compression.	*journal of Applied Sciences*	2007 Vol.7 No. 22
6.	Quantum Computing for Solving a System of Nonlinear Equations	*International Arab Journal of Information Technology.* **(Impact factor = 0.39)**	2007, Vol. 4, No. 3
7.	Unconditionally Secure Quantum Payment System.	*Enformatika, International Journal of Applied Mathematics and Computer Science,*	2007 vol 4, no.2,
8.	Discrete Quantum Walk for	*Jordan Journal of*	2008.

	solving Nonlinear Equations over finite fields.	*applied Science.*	Vol.10 no.1
9.	A New Quantum Key Distribution Protocol.	*American Journal of Applied Sciences*	2008 Vol. 5 No. 2
10	The Constraints of Object-Oriented Databases.	*Int. J. Open Problems Compt. Math.*	2008, Vol. 1, No. 1
11	Computer Virus Strategies and Detection Methods.	*Int. J. Open Problems Compt. Math,*	2008 Vol. 1, No. 2,.
12	Integer and Vector Multiplication by Using DNA.	*Int. J. Open Problems Compt. Math.,*	2008, Vol. 1, No. 2,
13	Identifying DNA Splice Sites using Patterns Statistical Properties and Fuzzy Neural Networks	*EXCLI Experimental and Clinical Sciences Journal* **(Impact factor = 1.061)**	2009 Vol 8
14	A Framework to Automate the Parsing of Arabic Language Sentences	*International Arab Journal of Information Technology* **(Impact factor = 0.39)**	2009, vol.6 No. 2.
15	Detecting Metamorphic Viruses by using Arbitrary Length of Control Flow Graphs and Nodes Alignment..	*Ubiquitous Computing and Communication Journal , Special Issue on Bioinformatics and Image,*	2009
16	A Comparison between Three Neural Network Models for Classification Problems	*Journal of Artificial Intelligence,*	2009 vol 2
17	Enhancement of the Face	*Int. J. Advance. Soft*	2009,

	Recognition Using a Modified Fourier-Gabor Filter,	*Comput. Appl.,*	vol. 2
18	Fast Protein Classification by Using the Most Significant Pairs:133-140.	*EXCLI Experimental and Clinical Sciences Journal,* **(Impact factor = 1.061)**	2010 *Vol. 9*
19	Cancer Diagnosis Using Fuzzy Radial Basis Functions Network.	*Universal Journal of Computer Science and Engineering Technology.*	*2010* Vol. 12
20	A new iris localization method based on the competitive chords,	*Signal, Image and Video Processing Journal* **Springer** **(Impact factor = 0.56)**	2012, Volume 6, Issue 4
21	New Empirical Nonparametric Kernels for Support Vector Machine Classification	Applied Soft Computing, **Elsevier** **(Impact factor = 2.61)**	2013 Vol. 13
22	Simplified approach for generating integrity tests in distributed database systems	Int. J. Innovation and Learning	2013 Vol.13 No.4
23	Texture Recognition by using a Non-Linear Kernel,.	*Int. J. of Computer Applications in Technology*	*2013, Vol. 48, No. 3*
24	Efficient DNA Motifs Discovery using Modified	International Journal of Computational	**2013,** Vol. 12,

	Genetic Algorithm	Intelligence and Applications,	No. 3
25	Simplified Features for Email Authorship Identification,	International Journal of Security and Networks	2013, Vol.8, No.2
26	A Hybrid Algorithm Using a Genetic Algorithm and Cuckoo Search Algorithm to Solve the Traveling Salesman Problem and its Application to Multiple Sequence Alignment. .	International Journal of Advanced Science and Technology,	2013, Vol.61
27	Enhanced Metaheuristic Algorithms for the Identification of Cancer MDPs	*I.J. Intelligent Systems and Applications,*	2014 *Vol.6*
28	A New Efficient Meta-Heuristic Optimization Algorithm Inspired by Wild Dog Packs	International Journal of Advanced Science and Technology,	2014 Vol. 61
29	A Modified Optimization Algorithm Inspired by Wild Dog Packs	*International Journal of Science and Advanced Technology*	2014 Vol. 4 No. 8
30	Enhanced Metaheuristic Algorithms for the Identification of Cancer MDPs,	*International Journal of Intelligent Systems and Applications (IJISA)*	Vol. 6, No. 2, 2014
31	An Efficient Algorithm for Finding a Fuzzy Rough Set Reduct Using an Improved Harmony Search	*International Journal of Modern Education and Computer Science,*	Vol. 7, No. 2, 2015.
32	Power aware Ant colony routing algorithm for mobile ad-hoc networks,	International Journal of Software Engineering and Its Applications	2015 Vol. 9 No. 12,

#			
33	Quantum Meta-Heuristic Algorithm Based on Harmony Search	International Journal of Engineering Science Invention,	2015 Vol.4 No. 10
34	KP-Trie Algorithm for Update and Search Operations	The International Arab Journal of Information Technology, **(Impact factor = 0.37)**	2016 Vol. 13, No. 6
35	**A new algorithm for Predicting Metabolic Pathways**	International Journal of Engineering Science Invention	2016 Vol. 5, No. 8

Books:

#	Book Title	Publisher	Year
.1	C# for Object Oriented and Visual Programming,	عالم الكتب الحديث للتوزيع والنشر الاردن.	2008
.2	Visual Basic.NET	دار وائل للتوزيع والنشر ،الاردن	2009

Conferences:

#	Paper Title	Organizing Institution	Conference
.1	*INTEC 2000*	UPM University	LUC and RSA Methods for Cryptosystems
.2	*International Conference on Mathematics and its*	MMU University	., Elliptic Curve Arithmetic Operations Over $GF(2^n)$ and

	Applications in the New Millennium		*GF(P)* For Cryptosystems Purposes, , 2000,
.3	*, International Arab Conference on Information Technology*	ACIT'2003	Cryptography Based on Discrete Logarithm Problem Over a New Group
.4	the International Conference on Applied Computing,	IADIS	Sparse Elliptic Curve Cryptography To Improve The Electronic Payment Systems..
.5	*Proceedings of the 4th International Multiconference on Computer Science and Information Technology*	CSIT2006	Discrete Quantum Walk for solving Nonlinear Equations over finite fields.
.6	*International Conference on Computer, Information, and Systems Science, and Engineering,* Barcelona, Spain	WASET	Unconditionally Secure Quantum Payment System
.7	*Communication Software and Networks ICCSN,*	IEEE	Metamorphic Viruses Detection Using Artificial Immune System.
.8	*International Conference on Data Mining and Knowledge Engineering,* Rome, Italy	*World Academy of Science, Engineering and Technology*	Integration of Support Vector Machine and Bayesian Neural Network for Data Mining and Classification, *ICDMKE 2010,*
.9	International Conference on	*World Academy of Science, Engineering and Technology*	Improving Protein-Protein Interaction

	Computer Vision, Image and Signal Processing, Franch, Paris		Prediction by Using Encoding Strategies World Academy of Science, Engineering and Technology and Random Indices, ICCVISP:
.10	ICCCISE 2013: International Conference on Computer,Communication and Information Sciences, and Engineering,	WASET	Intrusion Detection Using a New Particle Swarm Method and Support Vector Machines,.
11	4th International Conference on Signal and Image Processing CSIP 2015, Suzhou, China,	CSIP	Face Recognition Using Fuzzy Clustering and Kernelized Lest Square,
12	ICBBBCB 2016 : 18th International Conference on Bioinformatics, Biomedicine, Biotechnology and Computational Biology, 2016.	WASET Boston, USA, April 25 - 26,	An Accurate Method for Phylogeny Tree Reconstruction Based on a Modified Wild Dog Algorithm,

Supervision of Theses:

#	Year	University	Thesis Title	Student Name
.1	2010	Al Al-Bayt	Improving Iris recognition by using Fuzzy neural networks	kawther hawameda
.2	2013	Zarqa	Enhanced Metaheuristic Algorithms for the Identification of Cancer MDPs	Noura Alfayoumi
.3	2014	Zarqa	An Improved Algorithm for the Traveling Salesman Problem and its Application in Bioinformatics	Ala'a Abu Srhan

Community Service Activities

#	Duartion	Activity
1	2010	Refereeing JubiTech7 competition, jubilee school is annual technology exhibition in which students works in computer programming, design and other IT.

Personal Information

Name		Essam Al Daoud		
Place and Date of Birth		Ar Ramtha November 10, 1970		
Nationality		Jordanian		
Marital Status		Married		
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