

C.V. - Prof. Hamza Abbass Al-Sewadi

Name: Prof. Hamza Abbass Al-Sewadi "

Current Address: |

Software Engineering Department, |

Faculty of Information Technology, Isra University,

Amman, JORDAN.

Email: alsewadi@hotmail.com , slsewadi@yahoo.com

1. Academic Qualifications (Degrees):

(1) Ph.D., Computer Engineering, King's College, University of London, UK, 1977.

(2) M.Sc., Electronics, Electronic and Electrical Engineering Department, King's College,
University of London, UK, 1973,

(3) B.Sc., Physics Department, College of Science, University of Basrah, Iraq, 1968.

2. Fields of Experience:

(1) Professor, Software Engineering Department, Faculty of Information Technology, Isra
University, Amman, Jordan, from 17/9/2013 till now.

(2) Professor, Department of Computer Engineering Department, College of Engineering,
University of Basrah, Iraq, from 1/10/2010 till 30/6/2013.

(3) Head of the Software Engineering & Basic Science Departments, College of Science and
Information Technology, Isra University, Amman, Jordan, from 17/9/2008 till
16/9/2010. 7

(4) Head of the Software Engineering & Computer Information System Departments, College of Science and Information Technology, Isra University, Amman, Jordan, from 28/2/2006 till 16/9/2008. .

(5) Professor, Department of Software Engineering, College of Science and Information Technology, Isra University, Amman, Jordan, from 18/9/2005 to 30/9/2010, as

(6) Associate Professor, Department of Computer Science, College of Science and Information Technology, Zarka University, Jordan, from 16/9/2001 to 17/9/2005

(7) Visiting professor at the Core and Information Technology Center (CITEC), Siem of Aizu, Japan, for the period from 28/6/2000 to 1/4/2001. —.

(8) Head of the Computer Science Department, Shatt Al-Arab University, Iraq, for the period from 1/9/1996 to 10/6/2000, (in addition to other assignments)

(9) Associate Professor, Computer Engineering Department, College of Engineering, University of Basrah, Iraq, for the period from 1/9/ 1997 to 24/9/1999, as

(10) Associate professor, Electrical Engineering Department, College of Engineering, University of Basrah, Iraq, for the Period from 1/4/1993 to 31/8/1997, as

(11) Lecturer, Electrical Engineering Department, College of Engineering, Basrah, Iraq, for the period from 1/1 1/1977 to 31/3/1993, as

°, : . as -

(12) Director of the Computer center, University of Basrah, Iraq, for the period from 7/8/12/1978 to 7/12/1989, [in addition to (5) above]. as

(13) Managing a Private Institute for Computer services from January 1989: as

7 Specialized in training courses for computer programming and application skills
—_ computer consultations. both hardware and software. [Licensed from. the Namie
Education). | oe Se .

Wide experience in teaching the following courses 'for undergraduate and postgrauats
students in various universities: ; ee.

3. Information System Security; 7“: - 4, System Anzilysis, Databaiqyaymesnama

hog 5. Artificial Intelligence, = =8=\$ > 6. Expert Systems, asa

9. Computer Organization and Architecture, 10. Logie Circuit Designy'em

11. Operation Systems (DOS, 'Office, Windows) 12. Discrete Mathematics iiaq

13. Algorithmic Graph Theory, - 14. Numerical Analysisy: iam

oer 15. Computer Network Security, 16, Digital Electronics; gaia

+ 17. Fundamental of Computer Technology, 18.-Algorithms:and Strtaukes ee

- 19. Various Programming Languages, 20. Instrumentation ai \Ge saa

21. Physical Electronics, 7 a

(b) Postgraduate comrses: os sonian (2014),

22. Applied Cryptography, in Isra University, Jo 4). nn

23. Computer Networks and Internet, in Basrah University, Iraq (2 ee aes

24. Information System Security, in Aizu University, Japan (2000)538

Ls 26. Microprocessors and Microcomputers Design, in Basrah Unters aaa

| @ Bostarsilante Stuiitate Supervision: a

: "Many postgraduate students have completed their theseditammm

a supervision in the College of Science and the College of Engizemmmms

~ (Iraq), including the following titles for postgraduate studies

(2) Investigation of RSA algofittims towards hybrid ctype

oe (4) Software implementation of RSA. public-key: cipigee

_ (5) Wave propagation in infinite: iene esiam

circumferential polarization, 1904: +: «2a aa |

a: (7) Image watermarking through Aisi amma

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i (8) Employing Neural Networks for Computer Security, 2013. > q

eS (9) implementing an Artificial Immune System for Anti-virus Detection, 2014, 0%eg e

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po Moreover, hundreds of students: have completed their undergraduate gradual dd ee '

-. College fe subeTvision in Computer Engineering Computer Information' Testis aes a

ae " Le College of Science, College of Engineering, University of Basrah (rag), Fac ve of Seles a

eee and Information Technology, Zarqa University and Isra University (Jordan); * "5,"

a Alpert information and Network Secusiys Cryptography Discrete

7a Algorithms and Digital Signatures, Pere Heroes <a

ia 2- Artificial Intelligence: ks Applicaiins Buco

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| (12)Waleed, A.J. Rasheed and Hamza A. Ali, "Publisher Identifier Scheme for Printed Documents Using Neural Networks", Asian Network for Scientific Information, Journal of

_ Applied Science, Vol, 9. No. 18, 2009, pp. 3317-3325,

(13) Adnan Hadi M. Al-Helali, Hamza A. Ali, Buthainah Al-Dulaimi, Dhia Alzubaydi and Waleed A. Mahmoud, ~ Slantlet Transform for Multispectral Image Fusion", Journal of Computer Science, Vol. 5, No. 4, 2009, pp: 263-269.

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(15)Hamza A. Ali, " Back Propagation Neural Network Arabic Characters--Classification Module Utilizing Microsoft Word", Journal of Computer Science Vol. 4, No. 9, 2008. PP: 744-751.

(16)Buthainah Fahren Al-Dulaimi and Hamza A. Ali, "A Novel Genetic Algorithm Approach for Solving Flow Shop Problem" JICSNS International Journal of Computer Science:and Network Security, Vol. 8, No. 9, Sep. 2008, PP: 229-235. °

(17)Hamza A. Ali and Bashar M. Ne'ma, "Effective Variations on Opened GIF Format Images", JJCSNS International Journal of Computer Science and Network Security, Volsg; No. 5, May 2008. PP- 70-75. og

(18)Hamza A. Ali, Abdul Ameer K. Hussain and Salah K. Albermany, "Enhancing Key **Protection by Frequent Election of key Distribution Center**", **Journal Of inst, Op:** Mathematics. & Computer Sciences (Computer Science Series.), Vol, 19, No. 1, India.

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(27)Hamza A. Ali and Mikdam Al-Salami, "Timing Attack Prospect for RSA Cryptanalysts

Using Genetic Algorithm Technique", IAJIT Journal, Vol.1 No. 1, Jordan (2004), PP: 81-

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(28)Hamza A. Ali, "Improved Verification Speed Enhancement for Digital Signature Using

Discrete Algorithm Variant", Journal of the Association of the Advancement of Modeling

and Simulation Techniques in Enterprises (AMSE), Signal Processing and Pattern

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(35)Hamza A. Ali, Gulam Haider and Raad Khair-Alla, "Computerized personal information query database system, INQ", Computer Journal, NCC. Vol. 14, Iraq (1984).

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(b) Conference Papers: wo q

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(38)Adi A. Maaita, and Hamza A. A. Al-Sewadi, "Deterministic Random Nuniber Gees, Algorithm for Cryptosystem Keys", International Science Index, Proceeding oft International Conference on Computer Science and Information Technology Beene 4 April 12-13 2015, Venice, Italy, SS |.

(39)Adnan Hadi Mahdi A-Helali and Hamza Abbass Ali Al-Sewadi, "A Neve a Steganography Method Based On Mandelbrot Fractal", International Scieauaam at ie ; -! a" eS

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Proceding of the XIII International Conference on Computer Science and Information Technology ICCSIT 2015 January 23-24 2015, Paris, France, PP 1410-1415.

(40)Hamza A. Ali Al-Sewadi, Adnan Hadi M. Al_Helali, and Samaa A.K. Khamis , "Frequency of Occurrence Hybrid Watermarking Scheme", International Science Index, Proceeding of the XIII International Conference on Computer Science and Information Technology ICCSIT 2015 January 23-24 2015, Paris, France, PP 1416-1421. —

(41)Hamza A. Ali and Namareq Odey, "Fuzzy-Neuro Identifier Approach for Cryptographic System Emulation and Cryptanalysis", 2nd ScienceOne International Conference on Information Technology, ICIT2014, 21 — 23 2014 Dubai, UAE, (16 pages).

(42)Hamza A. Ali and Sama'a A. K. khamis, "Robust Digital Image Watermarking Technique Based on Histogram Analysis", First National Scientific Conference for Computer Science

and Technology, 7-8 March 2012, Basrah, Iraq, (13 pages).

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(44)Hamza A. Ali and Waleed, A.J. Rasheed, "Dynamic Threshold Adjustment Approach for Neural Networks", Proceedings of the World Academy of Science, Engineering and ~ L Technology WASET, April 27-26 April 2011, Venice, Italy, PP 563-569.

(45)Hamza A. Ali and Waleed, A.J. Rasheed, "Classifier/Recognizer Neural Network Implementation with Full Phase Dynamic Threshold Adjustment", Isra university and Baghdad University College for Economical Science Joint IT Symposium, 9 May 2010, Amman, Jordan, (14 pages). —

(46)Adnan H. M. Al-Helali and Hamza A. Ali, "Multispectral Image Fusion for Remote Sensing Applications" ", Proceeding of the First International Conference on Electronic Management, 1* - 4" June 2010, Tripoli, Libya, (16 pages).

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(49)Hamza A. Ali, Adnan, H. M. Al-Helali and Ayman, Al-Nsour, "Virtual Security Based on Elliptic Curve Approach", Proceedings of the Arab Conference on 'Information Technology, ACIT'2008, 16th-18th December, Tunisia (2008), (8 pages).

(50)Salah K. Albermani and Hamza A. Ali, "Developing Role-Based Access Control: For: Data Base Systems", Proceedings of the Arab Conference on Information Technology, ACIT'2008, 16th-18th December, Tunisia (2008). ae

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(53) Hamza A. Ali, "Enhance Multi-Signature Scheme", Proceedings of the Arab Conference on Information Technology, ACIT'2004, 12th-15th December, Algeria (2004) 72

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(59) Hamza A. Ali, "Discrete Algorithm Variant for Digital Signature", proceedings of the ~

Fukushima and Shanghai International Symposium on Computer and Information Technology, University of Aizu, 6th -7th Nov., Japan (2000), PP 39-41. |

(60) Hamza A. Ali, "Computer Security", Invited talk, University of Aizu, 9 Aug. Japan (2000), Aizu-Wakamatsu, Fukushima, www.u-aizu.ac.jp.

(61) Hamza A. Ali, "The Internet development and implementation", Annual specialized symposium, College of Eng., Univ. of Basrah, Iraq (1998).

(62) Hamza A. Ali and Khaldoon Arif, "Shorter signature verification time with improved digital standard, DSS", Sth Iraqi computer science society conference, Iraq (1997).

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(66) Hamza A. Ali and Abdul-Muttalib Rasheed, "Modified RSA scheme for digital mutt signature", National conference for computer applications, Iraq (1991).

(c) Books:

(67) Hamed J. Fawareh and Hamza A. Ali, "Modern Format for Project Documentation: Science and Technology", Al-Massira Publisher, Amman, Jordan (supported 'by Zara

Private University), 2007. oa

(68) Hamza A. Ali, "Introduction to digital Computer organization and programming"
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published — for local competition), Iraq (1986).

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for millisecond delay lines", King's College. London University. (1977).

(74) Hamza A. Ali, M.Sc. Thesis. "Computer simulation for Propagation of piezoelectric wave
helical delay line around cylinders" King's College, London University. (1973).

6. Society memberships:

1. Member ACM. since 2009

2. Member of IEEE. USA, 1975 - 1980. -

3. Member of IEE. UK, 1974 - 1980.

+. Member of Iraqi Society for Engineers, Iraq. since 1978.

5. Member of Iraqi Society for Computer Science. Iraq, since 1989.

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