

CURRICULUM VITAE

PERSONAL DATA:

Name : **Prof. Oqeili Saleh Irsheid**,
Date and place Of Birth : 15/1/1955 , Jarash
Address : P.O. BOX 102 Code 11822, Daboug, Amman
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أ.د. صالح ارشيد الطه العقيلي

EDUCATION:

- 1) Ph.D. in Computer Engineering, Kiev Polytechnic Institute,
1983, (All Ph.D. Exams - **Excellent**)
- 2) MSc. (Diploma) in Computer Engineering, Kiev Polytechnic Institute,
1979
(**Diploma with Honor**)

SCHOLARSHIPS:

- Government scholars to all stages of study.
- Fullbright Scholar (Illinois State University at Urbana -Champaign, U.S.A,1986.)

PROMOTIONS

Yarmourk University, 1996. **Professor:**
Mutah University, 1990. Associate Prof. :
Mutah University, 1985. Assistant Prof.:

PROFESSIONAL CAREER

Vice president for Academic Affairs, Al-Bqalqa Applied University. 2010-2007-2010 Vice president for scientific faculties, dean of IT faculty, Hashemite University.

2003- Prof. Department of IT, Al Balqa Applied University.

2005-2006 Amman Arab universty for Graduate Studies, sabbatical leave from BAU.

2004 – 2005 Dean, Faculty of Science and Information Technology, Al Balqa Applied University.

1993-2003: Prof., Computer Science Dept., Yarmouk University.

2001-2002: Prof., Computer Science Dept., Faculty of King Abdula-II for Information Technology, University of Jordan.

1998-2000: Dean, Faculty of Arts and Science, Amman University.

1993-1998: Director of Computer and information Center, Yarmouk University.

1985-1993: Head of Computer Science Dept., Mutah University.

1983-1985: Amman Polytechnic, Computer Science Dept.

Teaching

26 years of professional work in teaching undergraduate and graduate Computer Science, Computer Engineering, and Information Technology Courses. These courses include :

- | | |
|--|------------------------------------|
| ❖ Different Programming Languages | ❖ Parallel Computing-G |
| ❖ Computer Digital Design | ❖ Software Packages |
| ❖ Computer Organization and Architecture U+G | ❖ File manipulation techniques |
| ❖ Operating Systems-U + G | ❖ Discrete Mathematics |
| ❖ Distributed systems-G | ❖ Coding Theory-G |
| ❖ Computer Algorithms-U + G | ❖ Microprocessors & Microcomputers |
| ❖ Data Structures | ❖ Computer Arithmetic-G |

- Organizing different training courses in Computers and their Applications.
- Supervision of several graduate and undergraduate projects in Computer Science.
- Supervision of Master thesis in CS and IT .

Research interests:

- a) Computer Hardware & Software Reliability.
- b) Computer Architecture & Organization.**
- c) Operating and Distributed Systems.**
- d) Cryptography, Staganography, watermarking and Digital Signiture**

e) Development of Software Packages.

Membership in Academic & Scientific organizations & Committees:

2007- Head and member of different committees in Hashemite University,
2002-2007 Member of higher committee for equalizing of certificates, MoHE.
2003- 2005 Head and member of different University committees, BAU.
2003 – Head and member of different Faculty and Department committees, BAU.
2001-2002 : Member of different committees in KASIT/ University of Jordan.
1998-2003: Member of Basic Sciences and Engineering committee for equalizing of certificates, MoHE
1990-present : Member of different accreditation committees, MoHE.
1979-present: Member of Jordan Engineers Association.
1990-present: Member of Jordan computer Society.
1998-2000: Chairman of Computer Science Council, Amman University.
1998-2000: Chairman of Faculty Council, Amman University.
1998-2000: Member of Dean and University councils, Amman University.
1999-present: Editorial Board, Yarmouk University Scientific Journal.
1994-1995: Study plans committee at Yarmouk University.
1994-1995: Faculty of Science Board, Yarmouk University.
1994-1997: Chairman of Scientific Research committee, Yarmouk University.
1993-1998: Chairman of Computer center council at Yarmouk University.
1993-1998: Chairman of Technical committee for computers.
1993-1995: Computer committee at Al-Albyet University
1992-1993: Editorial Board, Mutah University Scientific Journal.
1990- 1991: Chairman of Scientific Research committee, Mutah University.
1988-1992: Faculty of Science Board, Mutah University.
1989-1990: Member of Central Vendor Committee Mutah University.

Member in Other several internal and external committees.

Participation in Conferences

1. Member of Scientific and organizing committee for the first national conference on computers and their Applications, May, 2-5, 1986.
2. Member of Scientific and organizing committee for the international conference on transfer of Computer Technology, Dec, 23-25, 1987, Jordan University.
3. Participating in the International Conference on Evaluation of Educational methodology, May 23-27, 1988, Iowa, USA.
4. 14-Th. International conference for Statistics, Computer Science and its Scientific and Social Applications, Apr. 23-30, 1989, Cairo.
5. 15-Th. International conference for Statistics, Computers Science and its Scientific and Social Applications, April 17-23, 1990, Ain-Shams, Cairo.
6. International conference on Simulation, May 2-10, 1990, Sandigo, California, USA.
7. First Al-Sham International Conference on Information Technology "Third World Approach", May 9-13, 1994, Damascus, Syria.
8. 20-Th. International conference for Statistics, Computer Science and its Scientific and Social Applications, April 3-8, 1995, Cairo.
9. Chairman of "Computer Networks" Session at CATEE - 94: Conference on Computational Aspects and their Applications in Electrical Engineering, May 21-23, 1995, Philadelphia University, Jordan.

10. SIT-HEI96, MEMORANDUM, United Arab Emirates University, May 1996.
11. Chairman of Scientific committee, First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.

Member of Scientific and organizing committees for several international conferences in CS.

EPNADS'2005: Emergent Properties in Natural and Artificial Dynamical Systems, Paris, France, November 17th, 2005. Latest:

General Services for the University & Community

1. Supervision of development different Information systems at different Jordanian Universities and Organizations, 1983-2005.
2. Establishment of Computer Science Dept. at different Jordanian Universities.
3. Establishment of Fiber-optics WAN and connecting the staff to the internet at Yarmouk University, 1996.
5. Organizing and Supervision of different training courses in Computer Science at Mutah University, Yarmouk University, Jordan Engineers Association.
6. Setting and updating the study plan for the Computer Science Dept. at Amman Polytechnic, Mutah University, Yarmouk University, Jordan University, Royal Scientific Center, and Ministry of Higher Education.
7. Establishment of Computer Laboratories in Different Jordanian Universities.
8. Establishment of study plan for the Master degree in different Jordanian Universities.

List of Publications

a) Books

1. Oqeili S, et.al. , Mastering C++, Dar-Al-shourok, Amman, 2004.
2. Oqeili Saleh, Design of Computer Logic Circuits, Dar-Al-shourok, Amman, 2003.
3. Oqeili Saleh, Khamis Omar, Abu-Sha'ar Said, Visual Basic, 2 volums, Ministry of Education, 2003,2004.
4. Oqeili Saleh, Mustafa Yassen, and Alzoubi Ali, Computer Skills and Software Packages 2003, Dar-Alshourok, Amman, 2003.
5. Oqeili Saleh, Khamis Omar, and AbuSha'ar Said, Computer Programming – Visual Basic, Textbook for 11th class, **Ministry of Higher Education**, Amman, 2003.
6. Oqeili Saleh, Khalil Al-Hindi, and Qutaishat Munib, Computer Programming – Visual Basic, Textbook for 12th class, **Ministry of Higher Education**, Amman, 2004.

7. Oqeili Saleh, Khaile Balsha, Computers: Hardware & software, Dar-Al-shourok, Amman, 2000.
8. Oqeili Saleh, Mustafa Yassen, and Khalid Aish, Basic Computer Skills and Software Packages 2000, Dar-Alshourok, Amman, 1999.
9. Oqeili Saleh, Samer Shaib, Statistical analysis using SPSS, Dar-Al-shourok, Amman, 1998.
10. Oqeili Saleh, Khaile Balsha, Madani Ali, Computers: Hardware & software, Dar-Al-shourok, Amman, 1987,1990, 1993,1996,1997.
11. Oqeili S., Samer shaib, software packages for personal Computers, Dar-Al-shourok, Amman, 1997.
12. Oqeili Saleh, Design of Computer Logic Circuits, Dar-Al-shourok, Amman, 1993.
13. Oqeili Saleh, Mustaffa Suleman, Microcomputer Applications, Dar-Al-shourok, Amman, 1993.
14. Korneuchuk V., Vinsky V., Oqeili Saleh, RAM Integrated Circuits, Kiev, 1995.
15. Korneuchuk V., Kocenka E., Oqeili Saleh, Integrated Circuits: Usage and Manufacturing Companies: INTEL, TEXAS, VLSI and CS, Kiev, 1994.
16. Oqeili Saleh, Marzok M., Manual for using IBM PCs, Mutah University, 1990.

b) Patents

1. Oqeili S., Korneuchuk V., Patent USSR M. Class G II C 17/00 No 637869,1978, ROM.
2. Oqeili S., Korneuchuk V., Patent USSR M. Class G II C 29/00 No 645208, 1979 RAM with self-control.
3. Oqeili S., Korneuchuk V., Patent USSR M. Class G II C 29/00 No 788180, 1980 RAM with Error Detection and Correction capabilities.
4. Oqeili S., Korneuchuk V., Patent USSR M. Class G II C 29/00 No 898509, 1982, RAM with Error Detection and correction Capabilities.
5. Oqeili S., Korneuchuk V., Patent USSR, M. Class G 11C 29/00 No. 946737, 1982, RAM with Self-Control.

c) Papers

1. Oqeili S., "Effect of Using Higher Number Systems on Computing", Mutah Journal for Research and Studies VOL.2, No 2, 1987.
2. Oqeili S., "Biological and Technical Memories", Proceedings of the first cultural season, Mutah University, 1988.
3. Oqeili S., Husban A., "On some Issues on selection of the ALU", Proceedings of the 15th International Conference for Statistics, Computer Science and Social Sciences, Ain shams University, Cairo, Egypt, 1990 .

4. Husban A., Oqeili S., "Analysis of some Error Detection and Correction codes for computer Arithmetic", Mutah Journal for Research and Studies VOL. 5 No 1, 1990.
5. Oqeili S. , "Analysis of Error Detection and Correction Codes Used in RAMS", Mutah Journal for Research and Studies, VOL.6, 1, 1990.
6. Oqeili Saleh, Ahmad Abu-Elzeit and Mohammed Attary, "Yarmouk University Computer and Information Center Facilities and Services", proceeding of the first Al-Shaam International Conference on information technology, May 9-13, 1994.
7. Oqeili Saleh, Bataineh Naser, "Yarmouk University Library information system", proceeding of the first Al-Shaam International Conference on information technology, May 9-13, 1994.
8. Najib A. Kofahi, Abdel-Fattah M. Salman, Oqeili Saleh; "Compression Techniques Applicable to ROMs ", Journal, Inst. Math. & Comp. SCI. (Comp.Sc. Ser.), Vol. 5, No 2, (1994), 173 - 185.
9. Oqeili Saleh, "Time Redundancy in Fault-Tolerant RAMs", Accepted for publication, Journal, inst. of math & comp. SCI. (Comp. SCI Ser.), to appear in VOL.6. No1, Jun 1995.
10. Oqeili Saleh, "Hardware Redundancy in Fault-Tolerant RAMs", Egyptian Computer Science Journal, VOL.16, No2, July 1994.
11. Abdel fattah M.Salman, Abdel-salam Obaidat, Najib A. Kofahi, Oqeili I. Saleh, "Masking of defects in ROM chips " Jour Inst. Math & Comp. Sci.(Comp.Sc.Ser) VOL.6,No1, 1995 , 67-75.
12. Oqeili I.Saleh, Najib A. Kofahi, Abdel fattah M.Salman, Abdel-salam Obaidat, "Masking of ROM defects using Three -dimensional Inverse Codes", Journal of Engineering, T.B. Center for science & Technology VOL.5, No2, August 1995.
13. Oqeili Saleh, Abu-shgeer Omar, Hader Khaled, "Student Information Systems at Yarmouk University", Accepted for publication, Journal Cairo University -Computer Science, Institute of statistical studies & Research.
14. Oqeili Saleh, "Fault-Tolerant RAMs using error Detection/correction Codes and duplex Redundancy ", ABHATH AL-YARMOUK: " Pure Sci. And Eng.", VOL.5, No2,(1996), p. 9-20.
15. Oqeili Saleh, "Mixed use of EDCC and Time Redundancy in fault-Tolerant RAMs", Accepted for publication, ABHATH AL-YARMOUK Journal, Pure science and Engineering series.
16. Oqeili Saleh, S. H. Gharaibeh, "Selection of appropriate Technology of wastewater Treatment in Developing Countries", Jour Inst. Math & Comp. Sci.(Comp.Sc.Ser) VOL.7, No1, (1996), 15-24
17. Mohammad Hashem Reyalat,Oqeili Saleh, Emad Khaled Salah, "A New Algorithm For Finding The Median", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
18. Mohammad Hashem Reyalat, Oqeili Saleh, Emad Khaled Salah, "A New Stegano Technique to Hide Text in an Image", First Jordan

International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.

19. Mohammad Hashem Reyalat, Oqeili Saleh, "Finding First Approximated Root In Newton-Raphson Method", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
20. Mohammad Hashem Reyalat, Oqeili Saleh, Mohammad Ababneh, "Finding the Median Using A New Modification On Bubble-Sort Technique", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
21. Mohammad Hashem Reyalat, Oqeili Saleh, Mohammad Ababneh, "Finding The Point At Which The Maximum Amount Of Transferred Data In Producer-Consumer Problem Occurs", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
22. Oqeili Saleh, Abdullah Darwish, Ayman Abdo, "A Survey of RSA Attacks", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
23. Oqeili Saleh, Mohammed Ababneh, Karam Mustafa Ghneem, "Enhanced ADFGVX Product Cipher: Random_8Character Product Cipher", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
24. Oqeili Saleh, Basem H A Ahmad, "Multi-Segment Steganography Technique", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
25. Oqeili Saleh, Emad Khaled Salah, Osama Dorgam, "Proposed Method For Deadlock Prevention", First Jordan International Conference on Computer Sciences and Engineering (JICCSE), 4-7 October, 2004.
26. Mohammad Ababneh, Oqeili Saleh, Rawan A. Abdeen, "Occurrences Algorithm for String Searching Based on Brute-force Algorithm", journal of Computer Science, USA, Vol.2, issue 1, 2006.
27. Imad Khaled Salah, Abdullah Darwish Radi, Saleh Oqeili, "Mathematical Attacks on RSA Cryptosystem", Journal of Computer science, Vol.2, No. 8, july 2006.
28. Bakoss Janan Jan, Oqeili Saleh, "String matching algorithm based on the middle of the pattern", Third international conference on IT, Al-Zaytoonah University of Jordan, 7-9 may, 2007.
29. Rawan Ghnemat, Khalaf Khatatneh, Saleh Oqeili, Cyrille Bertelle, G, é, rard Henry Edmond Duchamp, Automata-based adaptive behavior for economic modeling using game theory, MultiAgent systems, Nov., 2005.
30. Imad Khaled Salah, Obeidat Abdel-Salam, Abdullah Darwish Radi, Oqeili Saleh, "Discrete Logarithm Attack Against RSA Cryptosystem", Abhath Al-Yarmouk, Basic Sciences and Engineering, Vol.17, No.1 (C), 2008.
31. Fawaz Ahmad Masoud, Imad Khaled Salah, Abdel-Salam Obeidat, Alaa Salah Abu Khalil, and Oqeili Saleh Irsheid, "Multiple Dynamic Skip

String Matching Algorithm (MDSSMA)", Abhath Al-Yarmouk, Basic Sciences and Engineering, Vol.17, No.1 (C), 2008.

32. Zainab Al-Rahamneh, MOhammad Reyalat, Alaa F. Sheta, Sulieman Bani-Ahmad, Saleh Oqeili, " A NEW SOFTWARE GROTH MODEL: GENETIC-PROGRAMMING-BASED APPROACH", JOURNAL OF SOFTWARE ENGINEERING AND APPLICATIONS, 2011,4, 476-481.

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