CURRICULUM   VITA

1- *Name:*   **Prof**. **Dr. Yahia Sabri Al-Halabi**

2- *Address***:**   **Princess Sumaya University for Technology**
P.O.Box. 1438, Jubaiha 11941
Amman-Jordan

3- *Present Position***:**

Princess Sumaya University for Information Technology.
Prof. Of Computer Science
Computer Science Department

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***Office Tel*. 00 962 5358835**

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4- *Personal data***:**

4.1)   Place of Birth: Hebron - Jordan.

4.2)   Marital Status: Married.

4.3)   No. of Children: Three.

4.4)   Nationality: Jordanian.

5- *Education***:**

5.1)   Ph.D. in Computer Science,
April, 1982. Clarkson University,
Postdam, New York, U.S.A.

5.2)   M.Sc. in Computing (Simulation),
May, 1977, Math. and Computer Dept.,

5.3)   B.Sc. of Science/ May 1974, Mathematics and Computer Science Dept.,
University of Jordan.

5.4)   Jordan General certificate, 1971
Scientific Islamic College,
Amman - Jordan.

FIELDS OF INTEREST:

1- Computer Simulation.

2- Algorithm.

3- Image Processing.

4- Open Learning and e- Learning

5- Software Engineering.

6- Modelling.

7-Quality Assurance

6- *Employment/ Experience:*

Present Position:, King AL Hussain School for Information Technology, Princess Sumaya University for Technology. Professor of Computer Science,

6.0) **Professor of Computer Science, Princes Sumaya University for Technology, Since Sep., 15, 2005-Until now.**

6.0) **Professor and Dean of Information of Technology, Princes Sumaya University for Technology, Since Sep., 15, 2008 - Sept. 15,2010.**

6.1) **Dean, Faculty of Computer Studies, Arab Open University-Head Quarter Office, Kuwait . Since 2001---Sept., 2005. Professor of Computer Science.**

6.2) **Professor of Computer Science since 1994 - …2001, University of Jordan, Computer Department, King Abdulla College of Information Technology-Amman-Jordan .**

6.3) **Visiting Prof.,Princes Sumaya University College for Technology, Royal Scientific Society, On sabatical leave from the University of Jordan, 1998-1999.**

6.4) **Dean, Faculty of Arts and Science, (leave of absence from University of jordan), and Chairman, Computer Dept., Amman University, 1994 - 1,sept. 1997. Acting President of Amman Uniersity at AMMAN UNIVERSITY 1994-1997.**

6.2) **Chairman, Computer Dept., Jordan University, 1992 - 1994.**

6.3) **Assistant, Editor-in chief, Al-Balqa' Journal for Research and Studies.**

6.4) **Referee for a set of national and Arab Research Journals in Computer field.**

6.5) **A Coordinator for many Private and Public Accreditation Committee's for some Jordanian Private Universities .**

6.6) **Visiting Associate Prof.,**

Amman Private University,Computer Science Dept. Sep. 1/1991 - Sep. 5/1992.

6.7) Associate Prof., from Dec. 6,1987 - Dec. 3,1994.

6.8) Assistant Prof., from Sep. 11,1992 - Dec, 1987,

Computer Science Dept.,

University of Jordan, Amman - Jordan.

6.9) Director of Computer Center,

from May 1982 - Sep. 1985,

University of Jordan .

(in addition to my work as Assistant Prof.).

6.10) T.A and Research assistant,

from Sep. 1979 - April 1982,

Clarkson University, U.S.A.

Mathematics and Computer Dept.

6.11) Research Assistant-Academic Services. Washington State University

Computer Science Department.U.S.A-1982

6.12) System Analyst,

Jan. 1979 - Sep. 1979,

Royal Scientific Society, Research and Development Section,

Computer Systems Dept. (R.S.S).

6.13) Academic Consultant,

from Sep. 1978 - Jan. 1979,

Washington State University, U.S.A.

Computer Science Dept., Academic Services.

6.14) Part time lecturer,

for a period of 3 semesters,

Yarmouk University, Irbid - Jordan.

(in addition to my work at University of Jordan as systems analyst).

6.15) Systems Analyst. From 1974 - Sep. 1978,

University of Jordan, Computer Center.

7- *Academic Activities*:

Since May, 1982 until now, I taught the following courses in Computer Science Dept.:-

7.0)   **Fundamentals of Information Technology**

7.1)   **Introduction to Computer Science.**

7.2)   **FORTRAN Programming Language.**

7.3)   **COBOL Programming Language.**

7.4)   **ASSEMBLER for IBM 360/370 and for VAX - 11 system.**

7.5)   **PASCAL Programming Language.**

7.6)   **Introduction to Numerical Analysis.**

7.7)   **Advance Numerical Analysis.**

7.8)   **Data Structure.**

7.9)   **Operating System.**

7.10)   **Operation Research - 1. (Linear Programming).**

7.11)   **Selected topics in Computer Science.**

7.12)   **Computer Architecture.**

7.13)   **Discrete Mathematics in Computer Science.**

7.14)   **Selected topics in Programming (C Language).**

7.15)   **Theory of Computation.**

7.16)   **C^{++} - Programming Language.**

7.17)   **Simulation.**

7.18)   **Image Processing.**

7.19)   **Visual Basic**

7.20)   **JAVA Programming Language**

7.21)   **HTML & JAVA SCRIPTS**

7.22)   **Software Engineering**

7.23)   **Computer Skills - II**

8- *Other Activities*:

8.1)   **Computer Consultant for University of Jordan, Academic and Administrative Activities, 1982 - 1985.**

8.2)   **Computer Consultant for A.O.A.S, (Arab Organization for Administrative Sciences) 1983 - 1985.**

8.3)   **Computer Consultant for Jordanian Oil Refinery Company, (1983 - 1984).**

8.4)   **Computer Consultant for Income Tax Dept., Jordan. [Trainee courses].**

8.5)   **Member of the committee responsible to design the academic plan and course selections and contents for the new established university in Jordan (Mu'tah University), In addition to be responsible for computer software,**

hardware selection for the same university.

8.6) **Organize a trainee courses in Computer Science for Jordan University personal with the cooperation of center of studies and consultation at Univ. of Jordan.**

8.7) **Establishment of a new company in Jordan for Computer consultations and studies (Dar – Al- Khebra).**

8.8) **Member of Amman University Council. (During the period Sep. 5/1991 up to Sep. 5/1992).**

8.9) **Member of various committees for Computer System Selection and tenders study in most of Jordan universities and other institutions and companies.**

8.10) **Author of different books in Computer Science (in Arabic) for AL-QUDS open University.**

8.11) **Consultant for Jordanian Cement Company, according to an agreement between University of Jordan and Cement Company in Jordan.**

8.12) **Member of Consultation committee for computerization process for AL-AL-BAYT University and the new established university (1992) 'AL-Hashmeia university'.**

8.13) **Member of "Board of Trustees" in Amman Private University Councle since 1999 .**

8.14) **Member of Scientific and Research Committee – Faculty of Science – University of Jordan & Faculty of Information Technology.**

8.15) **Member of the commetee for establishment a new Faculty of Information Technology at AL-Albait University.**

8.16) **Member of the Accreditation commetee for Intermediate colleges, established by Council Of High Education in Jordan.**

8.17) **An academic consultant for the new established university in United Arab Emerates (Al-Bayan Private University).**

8.18) **Member of a consultation cometee for software and hardware selection for a (Ben -SAEED Group Companies) in Yemen.(1989-1990)**

8.19) **Member and Chair of commitees for Graduate studies and reearch theses advisor for many Msc graduate Students in Computer science and computing.**

8.20) **Member of UNESCO group for e-learning platform at Arab Open University.**

8.21) **Member Of Research and Development commitee at PSUT since 2005-.....**

8.22) Member of Appointment and Promotion Committee at PSUT since 2005-….

8.23) Member of Committee for developing new creterian for accreditation of Non-traditional Universities (Open and On-line learning) in Jordan-Ministry of Higher Education-Jordan- 2006.

9- *Conferences Attended***:**

9.1) Fourth International Conference on Mathematical Modeling, Aug. 15 - 17/1983, Zurich - Switzerland. (present a paper).

9.2) IBM Seminar on Computer and Telecommunications, Oct., 25th - 28th/1983, Rome and La Guide - France.

9.3) Computer treatment of Arabic language, Rabat, Nov., 21 - 25/1983, (ALESCO).

9.4) IBM Seminar on Patient Care Information System, La Hulbe, Belguim, Sep. 1 - 4/1984.

9.5) 11th IMACS world congress in modeling and control systems. Oslo - Norway, Aug. 5 - 9/1985,

9.6) Computerization and Benefits of using computer in Administration. Baghdad - Iraq. Nov. 9 - 18/1985. (Main lecturer. Present a set of working papers).

9.7) SIAM meetings, U.S.A, R.P.I University, 1981 meeting and 1982 meeting.

9.8) International conference in computational methods and experimental measurements,June 30th - July 2nd, U.S.A.

9.9) Third International Conference on Artificial Intelligence Applications, Egypt, Jan. 4 - 7 /1995.

9.10) Organizer and Member of Program Committee, for different conferences in the M.E.

9.11) Med-Campus meeting Computer organization and ES. Turkey, Sep. 21 - 28 /1994.

9.12) 14th IMAC Word Congress on Computation and Applied Mathematics, July 11 - 15 /1994, Atlanta, Georgia, U.S.A.

9.13) Fourth International Conference on Artificial Intelligence Applications, Egypt, Jan. 1996

9.14) Fifth International Conference on Artificial Intelligence Applications, Egypt, Jan. 1997

9.15) Sixth International Conference on Artificial Intelligence Applications, Egypt, Feb. 21-25/1998

9.16) Seventh International Conference on Artificial Intelligence Applications,

Egypt, Feb. 3-7 /1999

9.17) Self Assessment meating for Universities in Jordan.(2001). An International workshop organized by Quality assurance agency, QAVS, UK group for validation and accreditation.

9.19) On-line learing seminar, United kingdom Open University(UKOU), March 2001.

9.20) Validation and Accredition of Open Universities, Kuwait, sept.2002.

9.21) Object oriented approach, United kingdom Open University (UKOU), Nov., 2003.

9.22) e- learing Platform (FirstClass) workshop, UKOU, Jan., 2003, Milton-keynes.

9.23) e- government applications, Oct., 2003 Kuwait .

9.24) On- line and distance learing educational material authouing , AOU, Kuwait, 2003.

9.25) Communication and Information Technology siminar, UKOU, sept.,2003.

9.26) e- Registration for Open Universities, Design and Implementation. AOU branch, Eygpt, Jan.,2003.

9.27) WSEAS (Word Scientific and Engineering Academy and Society Conference. Turky-Izmir-June- 2004.

9.28) Conference on the Partnership Between the AOU and UKOU-January 10-12-2005-Kuwait.

9.29) Follow up report presentation for Computer Science Programs at Universities, June,10,2006, Amman-Jordan, The Hussein Fund for Excellence.

9.30) Quality Assurance Principles in Education, June 18,2006, Amman-Jordan, Hussein Fund for Excellence.

9.31) 17th International Conference in Computer Theory and Application, ICCT2007, Sep 1 to 3-2007,Egypt, Sponsered by IEEE,2007.

9.32) 2008 WSEAS International Conference , Cairo,Egypt, December 29-31,2008.

10- *Published papers***:**

10.1) "Finite element Scheme for Simulation of Longitudinal Dispersion in Saturated Porus Media "DIRASAT journal, published by Dean of Academic Research, University of Jordan (Single Author).Vol. XII, July, 1985, 10, pages 181 - 194.

10.2) "Simulation of Continuously deforming problems by Galerkin Finite Element Method" International journal of Mathematics and Mathematical Sciences, U.S.A/1985 (Single Author).

10.3) "Finite Difference Scheme for Simulating Dispersion Problem in Natural Rivers". Arab journal of Physics and Mathematics, Iraq, Baghdad, Vol. for 1984, Ref. M-76 (Single Author).

10.4) "Numerical Simulation of Thermal Distribution in Diverging Channels". Egyptian Computer Science journal, 1978 .

10.5) "Mathematical Model for simulating Universities Time - Table by Computer".Egyptian Computer Science journal, Cairo University, 7, Vol. 14, 1986.

10.6) "A Two Dimensional Numerical Model for Mixing in Natural Rivers" Proceeding of International Conference in Computer Methods and Experimental Measurements", Springer - Verlag, NY PP. 76 - 88, Sponsored by the International Society for Computational Methods in Engineering(I.S.C.M.E).

10.7) "Transport and accumulation of Frazel Ice Suspensions in Rivers" "Proceeding of the fourth International Conference on Mathematical Modeling in Science and Technology", Pages 412 - 418, Edited by, Xavier J.R. Avula, 1983.

10.8) "Complexity of a Root Finding Problem Using M-tree Structure. DIRASAT Journal, University of Jordan, 1, Vol. XIV, 1987.

10.9) "New Fast Algorithm for Deleting a Root of aHeab",DIRASAT journal, University of Jordan, 1,Vol. XIV, 1987.

10.10) "Simulation of Fluid Dynamics of Drop Jets byCollocation Finite - Element

Method", DIRASAT journal, University of Jordan, 1, Vol. XIV, 1987.

10.11) "Numerical Simulation of Block size Selection for Optimizing Fibonancci Buddy system" DIRASAT (1989).

10.12) "Fast Algorithm for Numerical Solutions of Non-linear System of Equations" DIRASAT (1993).

10.13) "Introduction to FORTRAN 77" (Book in Arabic language) Published by Al-Quds open University, /1994.

10.14) "Introduction to Computer Science" (Book in Arabic language)/(1994).

10.15) "A Parallel Iterative Algorithm For Solving Linear System of Equations",3rd International conference on AI,Egypt, Jan. 4 - 7/1995.

10.16) 'New Technique " WALK AROUND" for Components labeling of an Image ', 4'th International Conference on Artificial Intelligence Applications, Jan. 1996 , American University in Cairo, Egypt .

10.17) ' Diffusion Limited Aggregation Vs Iteration Function Technique For Fractal Graphics' , Al-Balqa Journal for Research and Studies, vol.4 , No.2 , Dec.,   1996 .

10.18) Developing A Computer Animation Using Differential Compiler, 5'th International Conference on AI Applications , ECS and AUC , Al-Ahram Establishment - National Committee of Infromatic, 1997 .

10.19) A New Chain Code Algorithm With Priority move For Signature Verification On   Image Processing,Proceeding Of The Sixth International Conference On Artificial Intelligence Applications, Egyptian Computer Society , 1998.

10.20) Developing Techniques For Image Cryptography, A.M.S.E. Journal for Modelling and Simulation. Lune – France , 1999 .

10.21) Numerical Simulation Model for Extraction 3-D Information from 2-D

Image Object. A.M.S.E. Journal for Modelling and Simulation . Lune – France , 1999.

10.22) Introduction To Computer Science and Problem Solving . (Text book in English, Published, 2000   By WAEL Publishing House/JORDAN-2000)

10.23) VISUAL BASIC 6. (Text book in Arabic, Published by WAEL Publishing House/Jordan-2001).

10.24) Tecnincal Report for Educational and Technology Aspects of Arab Open University, information Technology Project. 2001.

10.25) Fundamentatls of Computer and Internet, Arab Open University, Text book-supporting material for GR100 cours, 2002.

10.26) You, Computer and the Net, Supporting material, AOU, TU170, 2003.

10.27) Tutor Guides, TU170 and T171 Computer and Information Technology. Arab Open University, Kuwait-Headquarter office, 2003

10.28) e- learing paltform for Online courses, at Arab Open University, Technical Report, AOU,2004

10.29) Numerical Model for simulating Dynaic Features of Escape Panics. AMSE-2004.

10.30) Application of Image Recogintion and Binarization Techniques. Proceeding of WSEAS (Word Scientific and Engineering Academy and Society) and Journal of WSEAS, Turkey,September,2004.

10.31) Development New Courses, Role of External Examinar , TMA & Staff Tutor Load in Open Learning Environment, Conference on the Partnership Between AOU and UKOU, January 10-12-2005.

10.32) AOU Experience and Reference to OUVS (Validation Services), Conference on the Partnership Between AOU and UKOU, January 10-12-2005.

10.33) A New Algorithm for Generating Fault- Free Rule System., International Journal in Information Technology,Turkey,2005

10.34) Tutor Guide and Supporting Material for T471 online course (Telamatics), Arab Open University, 2005.

11.35) Establishing A Quality Assurance Center at Princes Summaya University for

Technology. Technical Report submitted to President Office, May,15,2006.

11.36) Proposed Master Program curreculum at Princes Sumaya University of Technology. Technical Report. Faculty of King Hussein for Technology, May 5,2006.

10.37) Computer Skills_II-Visual Programming – 6---(Bilingual). Dar-Wael Publishing company,Jordan,2006.

11.38) VISUAL BASIC 6. (Text book in Biligual- Arabic + English), Edition 3,4. Published by WAEL Publishing, House/Jordan-2006, third eddition).

11.39 " Degraded Document Image Binarization", International Journal in Information Technology,Turkey, October 2007.

11.40) Cryptography Algorithms For Texts and Images, Anayises and Implementation, 17th International Conference in Computer Theory and Application, ICCT2007, September 1-3-2007,Egypt, Sponsered by IEEE,2007. (http://people.cs.vt.edu/~hamid/temp/)   , ICCTA_2007_CD.zip , Nov-2007

11-41) "Modeling Image Recognition Based on Binary Similarity Measure", Journal of Theoretical and Applied Information Technology, JATIT, Vol 4 No. 11, 2008. (www.jatit.org/volumes/research-papers/Vol4No11/7Vol4No11.pdf)

11-42) "Modeling Adaptive Degraded Document Image Binarization and Optical Character System,", International Europian Journal of Scientific Research, Vol. 28, issue 1 , 2009 (www.eurojournals.com/ejsr_28_1_02.pdf)

11-43) Wireless "Question- Bank" System M-Learning in School Education", Proceeding of the 12th Intarnational Conference ICL, ISBN 978-3-89958-481-3 ,Interactive Computer Aided Learning- ICL2009, 27-30 sept.,2009, Villach, Austria, 2009.(http://www.conftool.com/icl-conference/)

11-44) Wireless "Question- Bank" System M-Learning in School Education", IJIM- International Journal of Interactive Mobile Technologies, IJIM,

Vol 4, No 1 (2010).

http://online-journals.org/i-jim/article/viewArticle/1129

11-45) NEW WAVELET-BASED TECHNIQUES FOR EDGE DETECTION , ID: 1510- JATIT , International Journal of Theoretical and Applied Information Technology. http://jatit.org/ ,Vol 23, January 2010,published

on 15th of January ,2011.

11-46) **Information Theory and its Application to Pattern Recognition in Image Processing** , *International Journal of Engineering Inventions ISSN: 2278-7461, ISBN: 2319-6491, www.ijeijournal.com Volume 1, Issue 10 (November2012) PP: 14-18*

11-*Member of the following committees at AOU (2001-2005):*
- Member of University Council.
- Member of Academic committee
- Member of Program committee
- Member of Quality Assurance Committee.
- Member of e-learning Committee.
- Chair of Faculty Of Computer Studies Council
- Member of the committee for electronic strategy for AOU.
- Member of the Accreditation Committee for Private Universities in Jordan- Ministry of High Education.Since 1992-2001.
- Member of research and Develepement Committee at PSUT.
- Chair committee of Quality Assurance in Learning-PSUT-Jordan

During period (2005-2010): [items 12-16]:

12-*Member of the following committees at PSUT-Princes Summaya University of Technology (Sept,2005-2010.)*
- *Member of Scentific research committee at PSUT.*
- *Member of Curreculum committee at Department of Computer Science At PSUT.*
- *Member of Appointment and Promotion- PSUT.*
- *Chair of Quality Assurance committee at PSUT (206-2007).*
- *Member of rules and regulation committee at PSUT.*
- *Chair of Health Insurance Committee at PSUT.*

13- Member of the High Council (Committee) for University Transcripts Accreditation (for Non Jordanian Certificates) (Ministry of Higher Education).
14- Chair, Different Committees of Validition and Accreditation for Private Universities in Jordan.
15- Member of Scientific Research Fund Committee at Ministry of Higher Education.

16- Chair, Curreculum Committee, at PSUT.