

# **Curriculum Vitae**

**Dr. Riad S. Jabri**

## **• Personal Information**

Date of Birth : 15/9/1952  
Marital Status : Married with three children  
Languages : Proficiency in Arabic, English and Bulgarian  
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## **• Education**

<i>Institution</i>	<i>Degree</i>	<i>Year</i>	<i>Area</i>
Higher Institute for Mechanical and Electrical Engineering/ Bulgaria	Ph.D.	1981	Programming Languages and Compiler Design
Higher Institute for Mechanical and Electrical Engineering/ Bulgaria	M.Sc.	1976	Computer Machines and Devices

## **• Training Courses**

- EDP for Senior Management, Budapest, 1988.
- Installation and Maintenance of Computer Systems, USA, 1983

## **• Employment Record**

1976-1977: Engineer, Royal Jordanian Airlines, Amman-Jordan.  
1981-1983: Lecturer, Computer Science Department, University of Jordan, Amman-Jordan.  
1983-1985: Assistant Professor, Computer Science Department, University of Jordan, Amman-Jordan.  
1985-1988: Chairman, Computer Science Department, University of Jordan, Amman-Jordan.  
1989-1990: Assistant Professor, Computer Science Department, University of Jordan, Amman-Jordan.  
1990-1991: Associate Professor, Computer Science Department, University of Jordan, Amman-Jordan.  
1991-1992: Associate Professor, Philadelphia University (Sabbatical), Amman-Jordan.  
1993-1994: Associate Professor, Computer Science Department, University of Jordan, Amman-Jordan.  
1994-1995: Chairman, Computer Science Department, University of Jordan, Amman-Jordan.  
1996-2007: Director, Computer Center, University of Jordan.

- 2007-2011: Associate Professor, Philadelphia University (Sabbatical and leave from University of Jordan), Amman-Jordan.
- 2007- 2011: Acting Dean, Faculty of Science, Philadelphia University, Amman-Jordan
- 2011- Now: Professor, Computer Science Department, University of Jordan, Amman-Jordan.
- 2011- Now: Professor, Philadelphia University (leave from University of Jordan), Amman-Jordan.
- 2011- Now: Dean, Faculty of Science, Philadelphia University, Amman-Jordan

## • **Teaching Experience**

### **a- Undergraduate Courses**

Logic Design, Operating Systems, Data Base, Systems Analysis, Assembly Languages, Compilers Design, Data Structures, Introduction to Computer Science, Computer Architecture, Advanced Computer Architecture, Systems Programming, Programming Languages ( Design and implementation), Programming Languages (Paradigms: Imperative, Functional, Logic and object-oriented), Advanced Operating Systems.

### **b- Graduate Courses**

Compilers Construction, Programming Languages ( Advanced topics in design and implementation), Semantics of Programming Languages (Operational, Denotational, Algebraic ).

## • **Consultation**

Information Technology Consultant for the following Institutions/ Projects:

- Ministry of Higher Education.
- Ministry of Youth.
- Ministry of Religious Affairs.
- Salt Development Counsel.
- Jordanian-Palestinian Committee.
- Jordan University, Administration and Faculty of Engineering.
- University Schools.
- Ministry of Education (MOE).
- Appraisal of the Information Technology Component of the Higher Education Development Projects (Supported by the World Bank), (1997-2002).
- Computerization Projects for MOE Supported by the World Bank, (2001-2002).

## • **Councils, Academic and Technical Committees**

- Member, Deans Council, Philadelphia University, 2007- Now.
- Member, Academic Council, Institute of Diplomacy, 1996.
- Member of the councils for the following Centers / Faculties at University of Jordan:
  - Computer Center (1975-1988), 1995-2007.
  - Faculty of Science (1985-1988), 1993, 1995.

- King Abdullah School for Information Technology (2000-2001).
- Center for Phonetics, (2000/2001).
- Center for Consultation (2000-2005).
- Center for Human Resources (2004-2007).
- Member and Chairman of several Ph.D. and M.Sc. examination committees (Theses and Comprehensive exams).
- Member (Chairman) of Academic Committees for Establishing and Evaluating Curriculum Proposals for B.Sc. and M.Sc. Degrees in Computer Science, Information Systems and Computer Engineering for:
  - University of Jordan
  - Al-alBayt University
  - Applied Science University
  - Alhashimia University
- Member of Academic Committees for Establishing Accreditation Measures for B.Sc. Degree in Computer Science and Computer Engineering for Private Universities at Ministry of Higher Education, Jordan.
- Member (Chairman) of Accreditation and Evaluation Committees of Private Universities and Community Colleges at Ministry of Higher Education, Jordan.
- Member of Accreditation and Evaluation Committee for Community Colleges at U.A.E., 1990
- Member of Organizing Committee for the First National Conference on Computers and their Applications, 1987.
- Member of a Committee for Introducing Computers in Higher Education at University of Jordan ,1994.
- Member of an E-Learning Committee at University of Jordan ,2002-2007.

### ***Technical Committees***

- Technical Director, Committee for Unified Admission for the Public Jordanian Universities, 1996- 2007.
- Chairman, Technical Committee ( Directors of Computer Centers at the Public Jordanian Universities), Higher Education Development Project Supported by the World Bank, 1996-2005.
- Chairman, Technical Committee for Internet Connectivity and Establishing a Broadband Network between the Public Jordanian Universities and, 2001-2007.-
- Member, Steering Committee for Introducing MIS at the Public Jordanian Universities, 2001-2005.
- Chairman, Technical Advisory Committee for Public Universities Network Company, 2002-2007.
- Member of a Technical Committee, Health Reform Project Supported by the World Bank, 1998-2005
- Member of a Technical Committee for Computerization 1985-1988, University of Jordan.
- Member of Technical Committee for Computerization, 1990, Applied Science University.
- Member (Chairman) of Tender Evaluation committees for Computing and Networking Facilities ( Hardware, Software) at Private and Public Institutions..
- Technical Director, Team for Computerization, Customs Department, Jordan.

- Chairman, Technical Committee for Computerization, Institute of Diplomacy, Jordan, 1996.

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## • *Practical Experience*

- Project Leader, Application Software Development (Accounting, Inventory, Project-follow-up), 1981-1985, Private Sectors.
- Design and Implementation of University LAN and Supervision of Establishing (Ethernet, Giga Ethernet and Wireless Networks).
- Supervision and Follow-up for the Implementation of all Information Technology Components of the Higher Education Development Project (1998-2007).
- Supervision and follow-up of awarded or Joint Information Technology Project Between Private and Public Sectors. These Projects Cover the following Aspects (1994-2007):
  - Networking and Security (LAN, Wireless, WAN, Firewalls).
  - Computing Facilities (Web Servers and Proxy, Application Servers, E-mail and Domain Servers).
  - Application and System Software (Operating System, Data Base, MIS).
- Director of the Following Information Technology Projects (1995-2007):
  - Administrative Computing at University of Jordan which Includes: (Accounting, Payroll, Inventory, Library, Student Information System).
  - Unified Admission for all Public Jordanian Universities.
  - Computerization of the University of Jordan Hospital.
  - Security and Network Management at University of Jordan.
  - Internet and WAN Connectivity of University of Jordan and all Public Jordanian Universities.
  - Broadband Network Between Public Jordanian Universities.
  - The 1000 PC Project at University of Jordan.
  - Five Computerization Projects for Ministry of Education (World Bank).
  - Academic Computing at University of Jordan. This includes Establishing Computer Labs, Computing Facilities, Online Exams, E-Learning and Video Conferencing.

## • *Research*

### *Publications*

Jabri, R., Formal Method for Semantic Specification and Translation Description of High Level Languages, Dirasat, Vol. XII, No. 1985.

- Jabri, R., BMPL Basic Microprocessor Programming Language, Reports at Scientific Session, Sofia, 1980.
- Jabri, R., Gross-Compiler BMPL Language Reports at Scientific Session, Sofia, 1970.
- Jabri, R., Applied Software Development System for Microprocessors, Second Symposium on Microcomputers Budapest, 1981.
- Jabri, R., et al, A Survey of Algorithms on Max-Flow Problems, Dirasat, 1988.
- Jabri, R., and Al Jaber, A New Algorithm for Data Flow Analysis, Dirasat, 1988.
- Jabri, R., Attribute Evaluation Scheme and its Implementation, Dirasat, 1988.
- Jabri, R., Storage Optimization in Attribute Evaluators, Dirasat, 1989.
- Jabri, R., Front End Processors, Formal Specification, Implementation and Optimization.
- Hmeidi, I., Jabri, R., *et al.*,  $\lambda$  Type Calculus, Jour. of Inst. of Math. & Comp. Science., 12(3), p.213-219, 1999.
- Helweh, A, Jabri, R., Improving QoS Good put in Hostile Mobile Ad-hoc Networks, AMSE journals, Advances in Modelling, Series D Computer Science and Statistics. Vol. 11(1), p.41-54, 2006.
- Jabri, R., A University Examination Timetabling System Based on a General Framework, AMSE journals, Advances in Modelling, Series D Computer Science and Statistics. Vol. 13(2), p.28-47, 2008.
- Jabri, R., Pattern Matching Based on Regular Tree Grammars, Int. Journal of Comp. Science. Vol. 4(1), p.25-34, 2009.
- Jabri, R., Alian, M., An Adaptive Shortest Learning Path: A formalized Approach, AMSE journals, Advances in Modelling, Series D Computer Science and Statistics. Vol. 14(1), p.1-20, 2009.
- Jabri, R., Generic Code Generator, DIRAST, Pure Sciences, Vol 36(2), p.116-133, 2009.
- Alian, M., Jabri, R., A Shortest Adaptive Learning Path in eLearning System: Mathematical View, Journal of American Science, Vol. 5(6), p.32-42, 2009.
- Jabri, R., *et al.*, Information Hiding: A generic Approach, J. of Comp. Science, Vol. 5(12), p.933-939, 2009.
- Jabri, R., A Generalized Normalizing Strategy, DIRAST, Pure Sciences, Vol. 37(1), p. 27-39, 2010.
- Jabri, R., A Predictive Bottom-Up Parser, Computing, 93: 123-167 DOI 10.1007/s00607-010-0134-8, 2011.
- Jabri, R., A Generic Parser for Strings and Trees, ComSIS, Vol 9 (1), p. 383-412, 2012.
- Jabri, R., Alazzam, M., A Generic Tool for Teaching Compilers, Submitted for publication, 2012.

### **Supervision of M.Sc Thesis in Computer Science**

- Automatic Tools for Extending Network Computation Capabilities of H.L.L., 1999
- An Object-Oriented Expert Programming Language and Database, Stephan Abdel Fatah Ibraheem, 1998.
- A Study of the Efficiency of TMS Based Production Rule Systems, Khalid Waleed Mahmood, 1997.
- Data Migration from Relational Data Bases to Multidimensional Data Bases, Sâmi Tartir, 2002.

- Security-Aware Quality of Service in Ad-Hoc Networks, Ayman Helweh, 2004.
- The Shortest Adaptive Learning Path in E-Learning Systems, Marwah Alian, 2007.

### **Books**

- Jabri, R., Introduction to Computer Science, A.O.U., 1990.
- Jabri, R., Data Base Management, A.O.U., 1991.
- Jabri, R., Fayoumi, M., Data Processing Principles, A.O.U., 1993.
- Jabri, R., *et.al*, Computer Applications, Secondary Education, MOE, 1995
- تطبيقات الحاسوب، المرحلة الثانوية، وزارة التربية والتعليم
- Altal, S., Jabri, R., *et.al*, قواعد الدراسة في الجامعة Study Rules at the University: A Guide for Study at the Arabic Universities and Institutions for Higher Education, 1997.