C.V

DR.ENG.\ *BASEM MOHAMAD AL-RIFAI.*

COMPUTER SYSTEM

🌐 PERSONAL

Date of Birth: 15/03/1971
Place of Birth: Amman, Jordan
Nationality: Jordanian & Russian
Marital Status: Married
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🌐 EDUCATION

1. Doctorate PhD. In Computer System Engineering,
Expert System "**Machine Learning** Artificial Intelligence**"** of Computer Information Processing Networks .
"Specialty:-System *Analysis* and Security information management
Tver State Technical University (Russia) 2003.

2. Master Degree. In Computer System Engineering,
Systems Complexes and Networks. Computers Electronic
Tver State Technical University (Russia) 2000.

3, Professional Diploma: in Software Engineering Project Management,
System Analysis,   Information Management and Processing
Tver State Technical University (Russia) 1999

4. Bachelor: in Computer System Engineering,
Tver State Technical University (Russia) 1997

5. Professional Diploma in Russia Literature.
Tver University (Russia) 1997

🌐 CERTIFICATION and TRANING

1. Microsoft Certificate of Excellence/Microsoft Certified –(USA).
2. A Microsoft Certified Technology Specialist (MCTS)-(USA)
3. A Microsoft Certified Technology Specialist: Microsoft Windows Share Point
Services: Configuration (USA)
4. Cisco Networking Academy Certified /A Certificate of Completion for IT Essentials.
5. Data and network security training course/Arab Federation for Technical Education
6. Cisco Networking Academy® program. / A Certificate of Completion for Network security.

7. Successfully Completed the MCTS: Windows Share point services Configuration training

At GOA Center the company is KOENG-SOLUTIONS PVT.LTD (GOA India). SEP, 2010.

8. Successfully Completed the IT course as part of the Cisco Networking Academy® program. FEB, 2018

🌐 PROFESSINAL & ACADEMIC EXPERIENC

9/2023 to Present
Assistant Professor in Cyber security Department

Irbid National University
Irbid Jordan

9/2005 to 9/2023
Assistant Professor in Cyber Security Department 9/2020 to 9/2023
Assistant Professor in Software Engineering Department 9/2012 to 9/2020
Assistant Professor in Computer system Engineering "Department 9/2005 to 9/2012
Prince Abdullah Ben Ghazi
Faculty of Information Technology and communication
Al-Balqa' Applied University
(Al-Salt, Jordon)

1/2004 to 9/2005
Lecturer **in Computer Information System Department**
Faculty of Information Technology
Delmon University for science & Technology
(Manama, Bahrain)

9/2003 to 1/2004
Lecturer **in Information Technology.**
ANDALOS COLLEGE
(Amman, Jordan)

9/1999 to 6/2003
Part time Lecturer in Computer Engineering Department
Faculty of Engineering
Tver State Technical University
(Tver, Russia)

🌐 TECHENING AND EXAMINER

(Graduate Level)
1. Software Design and Testing.
2. Networks and Communication.
3. Database System.
4. Operating System.
5. Software Engineering.
6. Algorithms
7. Cyber security

(Undergraduate Level)
Big Data and Data Analytics

Cyber security	Software Design & Architecture
Machine Learning	Enterprise resource palming
Cryptography,	Decision Support Systems
	Real Time Software Design
Digital Forensic Techniques & Tools	Object Oriented Software Engineering
Software Construction & Component.	Software Quality Assurance
Secure Software Engineering	Software Engineering & Software
Expert System,	Development
Artificial Intelligence.	Foundations of Formal Methods and
	Software Analysi*s*
Network monitoring and documentation	Information Technology.
Information System Management	Information System Analysis and Design.
	Internet Applications Development &
	Web Design
Networks and Communication.	Graphic Design
Wireless Networks Security Systems	
Network Security	
Database System	Electronic Commerce
Operating System.	Application in Computer Programming
Digital Logic	Object Oriented Programming
Microprocessor Systems	
Computer Architecture	

 I supervised more than 300 graduated projects for both BSC and Master
Degree graduation projects.

● ADMINISTRATIVE WORK

1. Head of Information Technology Department   9/2006 to 9/2010
2. Head of Computer Science Department   9/2006 to 9/2010
3. Head of Computer Information System Department   9/2006 to 9/2010
4. Head of Software Engineering Departments   9/2006 to 9/2010
5. Head of Post Graduate Students Department   9/2006 to 9/2010

Prince Abdullah Ben Ghazi, Faculty of Information Technology
Al-Balqa' Applied University.

Program Manager of Jordan Electronic Academy   1/2007 to 9/2012

Designing study plans for specializations:-

1. Computer Engineering Bachelor programs 2012 to 2023
2.   Computer science Bachelor programs   2016 to 2022
3.   Artificial intelligence   Bachelor programs   2018 to 2023
4.   Software engineering Bachelor programs   2007 to 2023
5. Cyber security Bachelor programs……………………..2020 to 2023
Follow up the agreements between the University and other societies.

● PUBLICATIONS

1.” **A Simple Approach to Connecting Pt100 by Utilizing an
Electroacoustic Resonance Tube”,**.mdpi/journal/sensors, Sensors **2023**, 23, 2775.
https://doi.org/10.3390/s23052775
2.”Using Moore Dijkstra Algorithm With Multi Agent System To Find Shortest Path Over
Network” International Journal of Advanced Computer Science and Applications
(IJACSA), Volume 6, Issue 6, June 2015.
3.”A Novel Wireless and Mobile E-Health Expert System “International Journal of
Computer Science (IJCSI), Volume 12,Issue 2, March 2015.

4."Investigating Biogeography –Based Optimizing for Patient Admission Scheduling Problems "Journal of Theoretical Applied Information Technology (JATIT), Volume 70, Issue 3, October 2014.

5." An Adaptive Color Night Vision Scheme Tuned Enhanced Particle Swarm Optimization" International Journal of Computer Applications (0975 – 8887) Volume 87 – No.6, February 2014.

6. "An Intelligent Watermarking Approach Based Particle Swarm Optimization in Discrete Wavelet Domain", International Journal of Computer Science (IJCSI), Vol. 10, Issue 2, No 1, March 2013.

7. "Recognizing Handwriting Indian Numbers using Neural Network", International Journal of Scientific Knowledge (Computing and Information Technology) Volume 1 Issue 2, Oct 2012.

8. "Using New Data Structure to Implement Documents Vectors in Vector Space Model in Information Retrieval System", Journal of Theoretical Applied Information Technology, VOL 19 ISSU 1. (2010).

9." Probabilistic Artificial Neural Network For Recognizing the Arabic Hand Written Characters" Journal of Computer Science 2 (12): 879-884, 2006 ISSN 1549-3636 © 2006. Science Publications.

10. "Defining Primitives for Mobile E-Learning" First International Conference on E-Learning and Blended Education as a Strategic Choice for Arab universities "ICELBE 2012.

11. "Synthesis of an Expert System for Analysis of Models and Structures of Computer Network". Journal of Intellectual Control and Information Processing Systems. VOL 32 ISSU 2. (2001). (Publication in Russian language).

12. "Complex Designing of An Expert System for Choice of LAN Structure for Training Student". Materials of the All Russia extra Mural conference. Tver, 2001 (Publication in Russian language).

13. " An Expert System for Analysis of Computer Network" Materials of the all Russia Extra Mural Conference. . Tver2002. (Publicationin Russian language).

14. "Features of Flow Management in Networks with a Virtual Connection". Tver, 2002. (Publication in Russian language).

15. "Decision-making support in processing of Computer Networks". Journal of Information Technologies in Solving Problems of Industry. VOL 5 ISSU 4. (2002). ((Publication in Russian language).

16. "Expert system of Computer Networks synthesis". Materials of International Scientific and Technical Conference. Tver. 2003. (Publication in Russian language).

CONFERENCES

1. First International Conference on E-Learning and Blended Education as a Strategic Choice for Arab universities "ICELBE 2012"

2. Networking and Electronic Commerce Research Conference, Italy 2007.

3. Higher Education Reform for Knowledge Economy, Jordan 2006.

4.2nd Jordanian International Conference on Computer Science and Engineering (JICCSE2006) Al-Balqa Applied University.

5. Electronic government in Bahrain. Manama-Bahrain 2004.

6. New Computer technologies in Education, Industry, Energetic. Aushta-1998

7. Formation and function of information space in market conditions. Penza- 2000.

8. Reform in Russia and Management Problems. Moscow- Russia, 2002.

9. Computer Technologies in Management, Diagnostics and Education. Tver-, 2002.

10. The International Conference on Business Information Technology and Intellectual Economics Salt - Jordan, 26 - 28 Mar, 2019

12. IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology Conference May 2023Amman, Jordan

Professional memberships

Member – Microsoft Professional Community (USA).
Member - Jordan Engineers Association.
Member - Member -Jordan Computer Society.
Member - ICT Associations of Jordan.
Member - Cisco Networking Academy® program.

COMPUTER SKILLS

Operating Systems
- Ms-DOS
- Windows
- UNIX
- Linux
- Android
- **macOS**

## Security *Tools*
- Sprinto
- Kali Linux
- Kismac
- Nessus Professional
- Wireshark
- X Ways Forensics

Design *Tools*
- Structure System Analysis and Design Oracle 8 server& SQL
- UML Case Tools.
- Smart Draw.

Programming Languages
- C++
- Python
- Visual Basic
- Java
- Assembly Language using
  (Turbo Assembler - Microsoft Assembler)

Web Development
- Web design using (Macromedia Dream weaver & Flash)
- HTML
- Java Script
- Visual Studio
- Developer chrome

Project management
- Microsoft Project
- Monday
- Team center
- ERP System

LANGUAGES

- **Arabic**   Mother tongue
- **English**   Excellent (written & spoken)
- **Russian**   Excellent (written & spoken)

Researcher ID

https://scholar.google.com/citations?user=k9fq1F0AAAAJ&hl=ar

https://orcid.org
1011-4510-0002-0000
Researcher ID. rid53405
ResearchGate
https://www.researchgate.net/profile/Basem-Alrifai
Scopus id
36679807600
Web of Science ResearcherIDIQV-0672-2023

References

1. Dr Khalaf Katatneh   Al-Balqa' Applied University   dr.khalaf@bau.edu.jo
+962799656066

2. Dr Nijad Al Najdawi   Al-Balqa' Applied University   n.al-najdawi@bau.edu.jo
+962775054992

3. Dr Abedelwood Mesleh Al-Balqa' Applied University   wodood@bau.edu.jo
+962779499808

4. Dr Omar ALzubi   Al-Balqa' Applied University   o.zubi@bau.edu.jo
+962772623532