

## CURRICULUM VITAE

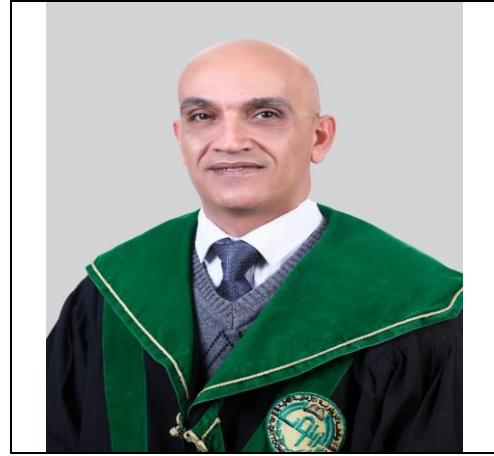
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### 1. Personal Data

Date of Birth: 15/11/1968

Nationality: Jordanian

### 2. Education

- Ph.D. (Engineering Sciences/Automated Control Systems and Progressive Information Technology) 2000, Kharkov National University of Radio Electronics, Kharkov, Ukraine.
- M.Sc. (Master of Science in Engineering/ Computer and Intelligent Systems and Networks) 1996, The State of Polytechnic University of Kharkov, Kharkov, Ukraine.
- B.Sc. (Master of Science in Engineering/ Computer and Intelligent Systems and Networks) 1996, The State of Polytechnic University of Kharkov, Kharkov, Ukraine.
- Technology Diploma – Yarmouk University –Hijjawi College for Applied Engineering (computers). 1991, Irbid, Jordan.



### 3. Ph.D. Dissertation

- *Models, algorithms and technologies for configuration management of network, Kharkov National University of Radio Electronics, Kharkov, Kharkov, Ukraine.*

### 4. Employment

#### Academic Positions

- Associate Professor, Computer Science/ Networks Department, Al Zaytoonah University of Jordan, Amman, Jordan - September 1, 2012 – Present
- Associate professor, Department of Management Information System, Al Isra Private University, Amman, Jordan. February 18, 2007 – August 31, 2012.
- Assistant professor, Department of computer science and Information systems/Faculty of Information Technology, Philadelphia University, Amman, Jordan. September 1, 2002-August 31, 2006.
- Assistant professor, Department of computer Science and Information systems, Irbid National University, Irbid, Jordan. September 15, 2001- August 17, 2002.

#### Administrative Positions

- Chair of the Computer Networks Department/ Faculty of Science and Information Technology, Al Zaytoonah University of Jordan, Amman, Jordan, Oct 1, 2013-Oct 1, 2015.
- Chair of the Department of Management Information Systems, Al Isra Private University, Amman, Jordan, January 14, 2009- August 31, 2012.

### 5. Research Interests

- Computer Networks Optimizing, Information Systems Services, Internet technologies.

### 6. Teaching Experience

- *Graduate Courses*
  - Management Information systems (Advanced)
  - Scientific Research Methodologies
  - Principles of Scientific Research
  - Management and Technology



- *Undergraduate Courses*

- Computer skills (1).
- Computer skills (2)-Visual Basic (6).
- Programming language in Pascal.
- Digital Electronics.
- Introduction to Computer Science.
- Principles in Computer Science.
- Management Information systems.
- Introduction to Information Technology.
- Computer Networks.(1)
- Computer Networks (2)
- Data Transmission through Networks.
- Operating Systems Principles.
- Operating Systems.
- Computer Simulation.
- Management of Information Technology.
- Systems Analysis and Design.
- Knowledge Based Systems.
- Artificial Intelligence.
- Human Computer Interaction.
- Computer Information Systems.
- Internet Technology (HTML, Java Script, ASP).
- Introduction to Software Engineering.
- Security and Control Systems.
- Introduction to Information systems.
- Personal Productivity with IS Technology.
- Professional Issues in Computing and IT.
- Programming in C
- Programming in C++.
- Database Systems.
- Decision Support Systems.
- Scientific Research Methods.
- Supervising Graduate Projects.
- E-Business.
- E-Commerce and Its Security
- Wireless Computer Networks.
- Communication systems.
- Networks Analysis and Design.
- Networks Monitoring and Documenting.
- Introduction to Information Technology.
- Networks Management.
- Principles of programming (Java).
- Data Communication and its Security.
- Digital Logic Design
- Computer organization and Architecture



## 7. Supervision of Graduate Research

## 8. Grants

- A new approach to recognize human face under unconstrained conditions using features fusion, Funded Research Projects at ZUJ, 2020, Al Zaytoonah University of Jordan, 7128 JD.

## 9. Membership of Committees

- **National and International**
  - Jordan Society for Scientific Research.
  - Jordanian Engineering Association.
  - IAENG International Association of Engineers since 28/1/2019.
- **University**
  - University Council (Al Zaytoonah university of Jordan /2020)
  - Scientific Research Committee (Faculty of Science and Information Technology)
  - Faculty of Science and Information Technology Council
  - Study Plan and Educational Resources Committee (Computer networks Department)
  - Equation, Guidance, Graduate Tracking and Training Committee (Computer Science Department)
  - Graduation Studies Committee (Computer science Department)
  - Faculty of administrative and financial sciences council- Al Isra private university 2009-2012.
  - Faculty of information technology council- Philadelphia University 2004-2005.
  - Technical committee that responsible for designing and development the university computer network –Jerash university 2001.

## 10. Professional and Scientific Meetings

- **Scientific Meetings Organized**
  - Track Chair-The 11th International Conference on Information Technology (ICIT 2023), on 09th-10th August 2023 in Amman, Jordan. Al-Zaytoonah University of Jordan.



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- Organization Committee in the 7<sup>th</sup> International Conference on Information Technology - ICIT'2015 – Al Zaytoonah University – Jordan, May 2015.
- Organization committee of the 3<sup>rd</sup> scientific conference for the faculty of administrative and financial sciences-Al Isra private university, 2009.
- Session Chair- 4<sup>th</sup> International Conference on Computer and Technology Applications (ICCTA 2018) Istanbul – Turkey.
- Session Chair- in the 8th International Conference on Information Technology - ICIT'2017 – Al Zaytoonah University – Jordan, May 2017.
- ***Participation in Scientific meetings***
- The 8<sup>th</sup> International Conference on Information Technology - ICIT'2017 – Al Zaytoonah University – Jordan, May 2017.
- The 7<sup>th</sup> International Conference on Information Technology - ICIT'2015 – Al Zaytoonah University – Jordan, May 2015.
- The 6<sup>th</sup> International Conference on Information Technology - ICIT'2013 – Al Zaytoonah University – Jordan, May 2013
- The 3<sup>rd</sup> scientific conference for the faculty of administrative and financial sciences-Al Isra private university,2009
- The 4th International Conference on Computer and Technology Applications (ICCTA 2018), 3-5 May 2018, Istanbul, Turkey.
- International Conference on Information Management, Engineering & Technology, Wireless Communication and Environmental Science (IECE), 14-15 September 2019 in Istanbul, Turkey.
- The 2<sup>nd</sup> student's scientific conference. Al Isra Private University. 2007.

## **11. Participation in or organization of curricular and/or extra-curricular activities**

### **• Curricular Activates**

- Networks Analysis and Design course. 2012.
- Networks Monitoring and Documenting Course, 2014.
- E-Commerce and its Security 2015.
- Wireless Computer Networks Course, 2015.
- Computer Networks Course, 2017.

### **• Extra-Curricular Activities**

- The Day of Graduate Student, Al Zaytoonah University, 2013.
- Alumni reunion, ZUJ, 2012 and 2017.

## **12. Publications**

### **• Papers in refereed journals**



- H. Alamereah, A. A. Alkhatib, S. Elmanaseer, R. N. Albustanji, H. M. Al-mimi and **M. Al Rawajbeh**, "A Survey on Cyber Security in Smart Grids using Internet of Things," *2023 International Conference on Information Technology (ICIT)*, Amman, Jordan, 2023, pp. 43-46, doi: 10.1109/ICIT58056.2023.10225873.
- Issam AlHadid, Evon M. Abu-Taieh, **Mohammad Al Rawajbeh**, Rami S. Alkhalwaldeh, Sufian Khwaldeh, Suha Afaneh, Ala'Aldin Alrowwad and Dima Farhan Alrwashdeh" Evaluating the influence of security considerations on information dissemination via social networks" *International Journal of Data and Network Science* 7 (4) pp.1471–1484. 2023.
- Firoz Khan, **Mohammad Al Rawajbeh**, Lakshmana Kumar Ramasamy, and Sangsoon Lim" Context-Aware and Click Session-Based Graph Pattern Mining With Recommendations for Smart EMS Through AI" *IEEE ACCESS*, Vol(11), 2023, pages 59854- 59865.
- **Mohammad Al Rawajbeh**, Wael Alzyadat, Khalid Kaabneh, Suha Afaneh, Dima Farha Alrwashdeh, Hamdah Samih Albayaydah and Issam Hamad AlHadid , "A new model for security analysis of network anomalies for IoT devices". *International Journal of Data and Network Science*. Vol, 7. Issue (3), 2023.pp. 1241-1248.
- Mustafa Rifaee, **Mohammad Al Rawajbeh**, Basem AlOkosh, Farhan Abdel-Fattah."A New approach to Recognize Human Face under Unconstrained Environment" *Int. J. Advance Soft Compu. Appl*, Vol. 14, No. 2, July 2022.
- Alhadid, I.; Khwaldeh, S. **Al Rawajbeh, M.**; Abu-Taieh, E.; Masa'deh, R.; Aljarah, I. An Intelligent Web Service Composition and Resource-Optimization Method Using K-Means Clustering and Knapsack Algorithms. *Mathematics*, 9, 1-16. 2021.
- **Mohammad Al Rawajbeh**, Vladimir Sayenko, Issam Al Hadid, Fadi Al-Turjman, Lakshmana Kumar Ramasamy. "Evaluation of Functional Maturity for a Network Information Service: Design & Case Analysis" *International Journal of Ad Hoc and Ubiquitous Computing*, 2021, 38(1/2/3):3-16.
- Hassan Al-Zoubi, Hamza Alzaareer, Tareq Hamadneh and **Mohammad Al Rawajbeh**" Tubes of coordinate finite type Gauss map in the Euclidean 3-space" *Indian Journal of Mathematics*, Vol 62, No 2. 2020.
- **Mohammad Al Rawajbeh**, Issam Al Hadid, Hassan Al-Zoubi "Adoption of Cloud Computing in Higher Education Sector: An Overview" *International journal of technology and engineering studies* Volume No. 5, Issue No.1, Year 2019. Pages 23-29.





- **Mohammad Al Rawajbeh** "Performance Evaluation of a Computer Network In a Cloud Computing Environment" ICIC Express Letters, Volume No, 13, Issue No.8. Year 2019. Pages. 719-727.
- **Mohammad Al Rawajbeh**, "A New Framework Simulation for Developing and Designing a Smart Campus Application," International Journal of Future Computer and Communication" Volume No 7, Issue No.3, Year 2018, Pages 58-62.
- **Mohammad Al Rawajbeh** "Low Cost Design and Implementation For HAS Using Multifunctional WI-FI" International Journal of Computer Networks & Communications (IJCNC), Volume No.9, Issue No.3, May 2017, Pages 105-116.
- **Mohammad Al Rawajbeh**, Vladimir Sayenko and Mohammad I. Muhairat, "Simplified Concept and Express Choice Method for Integrated Network Management System" International Journal of Computer Networks & Communications " (IJCNC) Volume 8, Issue No 3. Year 2016, Pages 47-65.
- Mohammad I. Muhairat, Akram Abdelqader, **Mohammad AL Rawajbeh**." A Novel Approach to Generate Distributed Global And local Use Cases: A New Notation". Journal of Theoretical and Applied Information Technology. Volume 91, Issue No 1. 2016, Pages 1-11.
- Ahmad Habboush, **Mohammad Al Rawajbeh**, Ahmed M. Manasrah, and Ra'ed M. Al-Khatib "BioCloud: A Network Cloud Cloud-Computing Method for Predicting RNA Secondary Structure". International Journal of Humanities and Applied Sciences (IJHAS). Vol. 5, No. 2, 2016 ISSN 2277 – 4386.
- Ahmad Haboush, Mohammad Al Nabhan, Motassem Al-Tarazi & **Mohammad Al-Rawajbeh**" Load Balancing Using Multiple Node Disjoint Paths", Computer and Information Science, ISSN 1913-8989. Volume 5, No 3, May 2012,. P 83-89.
- Salwa Al Samirai **Mohammad Al Rawajbeh**, Amaal Amawi" The impact of the need for use electronic payment system for tuition fees to turn towards the use it (An Empirical Study of a sample of Jordanian university Students in the capital of Jordan, Amman). Information studies journal, Volume 9, Sept 2010, Pages 73-111.KSA
- **Mohammad Al Rawajbeh**, Ibrahim Mansi and Majed Hussien, "Algorithm Development for Measurement and Prediction the Traffic in Broad Band Integrated Service networks" Journal of Computer Science, Volume 6, Issue 10, ISSN 1549-3636. Year 2010, Pages 1164-1169. USA.
- Vladimir Sayenko, **Mohammad Al Rawajbeh**, Alexandr Golubev." Continuous Monitoring System for Estimation the Quality of Service of Computer Network" .Journal of applied sciences. ISSN: 1812-5654 Volume 10 Issue18, Year 2010. Pages 2034-2040. Pakistan.
- **Mohammad Al Rawajbeh**, Majed Hussein, "An Adaptive Management Model for Enhancing The Performance of ATM Networks" International Journal of Computer Science and Network Security, Volume. 9, Issue No.6, Year 2009. Pages 269-272. Korea.
- **Mohammad Al Rawajbeh**, Sayenko V , Alexandr Golubev. "A Simple Method for Services Quality Estimation in Computer Network". Research journal of



- Aleppo University, Engineering Science Series No 67. 2009. Pages 7 -19. Syria.
- **Al Rawajbeh M.** Sayenko V.I, “Dynamic network reconfiguration” A Herald of Kharkov State Politechnical University. Issue No. 62, 1999. Pages 86 - 93. Kharkov, Ukraine.
  - **Al Rawajbeh M,** Sayenko V.I. “Procedures of the estimation of transport computer network component condition”. A Herald of Kharkov State Polytechnic University, Issue No. 42. 1999. Pages 7 - 13. Kharkov, Ukraine.
  - **Al Rawajbeh M.,** Sayenko V.I., "Dynamic reconfiguration of computer transport network with technological component aging .A Herald of Kharkov State Polytechnic University. Issue No .34. 1999. Pages 69-73 Kharkov,, Ukraine.
  - **Al Rawajbeh M.,** Sayenko V.I., “Network condition parameters”. A Herald of Kharkov State Polytechnic University. Issue No. 24. 1999. Pages 98 - 145. Kharkov, Ukraine.
  - **Al Rawajbeh M.,** Sayenko V.I., “Complex structures of multidimensional data bases”. Radio electronics and computer science. Issue No 1. 1998. Pages 95 - 98. Ukraine.
  - **Mohammad Rateb Al Rawajbeh,** Sayenko V.I., Klimenko A.V. “Using of new technologies in information corporate systems” Radio electronics and computer science. Issue No 01. 1997. Pages 111 – 114. Ukraine.

- **Conference Presentations**

- **Mohammad Al Rawajbeh,** Issam Al Hadid, Hassan Al-Zoubi “Adoption of Cloud Computing in Higher Education Sector: An Overview”, International Conference on Information Management, Engineering & Technology, Wireless Communication and Environmental Science (IECE), 14-15 September 2019 in Istanbul, Turkey.
- **Mohammad Al Rawajbeh,** "A New Framework Simulation for Developing and Designing a Smart Campus Application”, 2018 4th International Conference on Computer and Technology Applications (ICCTA 2018), Istanbul, Turkey. Year 2018.
- Ahmad Habboush, **Mohammad Al Rawajbeh,** Ahmed M. Manasrah, and Ra’ed M. Al-Khatib "BioCloud: A Network Cloud-Computing Method for Predicting RNA Secondary Structure”, International Conference on Recent Trends in ICT-Information and Communications Technology (RTICT'16), P204-211. ISBN 978-93-84468-54-5. May 24-25, 2016. Paris -France.
- **Mohammad Al Rawajbeh,** Ahmad Haboush, "Advanced Object Monitoring Using Wireless Sensors Network". International Conference on Communication, Management and Information Technology (ICCMIT 2015). Procedia Computer Science, (Scopus) 65 Pages 17 – 24, 2015. Prague-Czech Republic.





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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- **Mohammad Al Rawajbeh**, Ahmad Haboush, "Enhancing the e-government functionality using knowledge management" The International Conference on Communication and Information Technology and Engineering (ICCITE 2011). International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering Vol:5, No:3, Pages 297-301. Year 2011. Bangkok-Thailand.
- **Mohammad Al Rawajbeh**, T. Kolentseva. "An Estimation and Choosing the Variables of Computer Network State Space", 3rd International Radio Electronic Forum "APPLIED RADIO ELECTRONIC. THE PRESENT STATE AND PROSPECTS OF DEVELOPMENT (IREF-2008), P 83. 2008., Ukraine-Kharkov.
- Sayenko V. **AL Rawajbeh M**, Livikin V. 'The E-space and models of the services" International Conference on Engineering Education and Research (ICEER 2005), P 41.Tainan-Taiwan.Year 2005.

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