

Personal Information

Name	Rizik M. H. Al-Sayyed
Place and date of birth	Jordan 21-9-1963
Faculty	King Abdullah II School for Information Technology
Department	Information Technology
National ID Number	9631022961
Date of appointment	September 06, 2009

Qualifications

Qualification	Specialization	University of donor rank	Date
PhD	Computer Science	Leeds Beckett University, UK	2007
High Diploma	Research Methodology	Leeds Beckett University, UK	2007
Master	Computer Science	Western Michigan University, USA	1995
Bachelor	Computer Science	The University of Jordan, Jordan	1984

Specialization and domain of interest

General Specialty	Computer Science
Specialization	Simulation, Computer Networks, Cloud Computing, Algorithms Optimization, and Databases
Domain of interest	<ul style="list-style-type: none"> • Computer networking performance • Cloud computing • Computer Simulation • Optimization of algorithms • Databases (relational and big) • Data Visualization • Swarm Intelligence and Machine Learning Algorithms

Title and abstract of the doctoral thesis (within 150 words)**Title: The Performance Requirements for Reliability in Wireless Networks**

In a wireless environment, the voice over Internet Protocol (VoIP) capacity of the proposed model called Redundancy in Wireless Connection (RiWC) model was checked with and without background traffic. To determine the voice capacity of the model, three Quality of Service (QoS) metrics were checked: jitter, delay, data loss, in addition to the response time and throughput.

The thesis contribution to knowledge includes the RiWC model which has been developed to enable continuous on-demand adaptive mobile connection. It involves interoperability between devices on both the wired and the non-wired network. This model has the advantage of being simple, usable, adaptive, personalized and flexible.

Another major contribution of this thesis is the ability of the RiWC model to accommodate more VoIP sessions. This model proved to be flexible and able to accommodate mixed traffic, including data-centric and the voice that is highly affected by the QoS measurements.

Google Scholar Link:

<https://scholar.google.com/citations?user=mczkflwAAAAJ&hl=en>

Item	All	Since 2018
Citations	614	520
h-index	13	10
i10-index	17	10

Scopus.com Link

<https://www.scopus.com/authid/detail.uri?authorId=9639117500>

<https://orcid.org/0000-0001-7699-9074>

Number of Documents: 46

Citations by 322 documents: 308

h-index: 9

My University of Jordan Website:

<http://eacademic.ju.edu.jo/r.alsayyed/default.aspx>

My ResearchGate Website:

<https://www.researchgate.net/profile/Rizik-Al-Sayyed>

Career Experience		
Job Title	Place of Work	Date
<ul style="list-style-type: none"> • Department Head (4 years), • Assistant Dean for Students Affairs, • University Website Manager, • Faculty staff 	The University of Jordan, King Abdullah II School for Information Technology, Amman – Jordan	Since September 6, 2009 until now
<ul style="list-style-type: none"> • Course Coordinator, • Curriculum Coordinator, • Testing Coordinator, • IT Subject Coordinator, • Men’s Campus Information Technology Coordinator, • Director of International Examinations and Licenses, • Full Lecturer 	United Arab Emirates University - General University Requirements Unit, Al Ain - United Arab Emirates	From August 1996 to August 2009, in two periods
Database Administrator, Systems Analyst	Ministry of Education, Doha - Qatar	Since September 1989 until August 1996
Part time lecturer	Qatar University, Doha - Qatar	Since September 1991 until January 1993
Computer Instructor	Ministry of Education, Amman – Jordan	Since November 1988 until August 1989

Administrative works and committees

Administrative work and committee	Date
Director of the Center for Open Educational Resources and Blended Learning - The University of Jordan	<ul style="list-style-type: none"> • Since September 2020 until February 2022 (2 years)
Head of the Information Technology Department - The Information Technology Department - King Abdullah II College of Information Technology - The University of Jordan	<ul style="list-style-type: none"> • Since June 2017 until September 2020 (3 years) • Since September 2011 until September 2012 (1 year)
University of Jordan Website Manager	<ul style="list-style-type: none"> • Since September 2016 until June 2017 (1 Year)
Assistant Dean for Students Affairs	<ul style="list-style-type: none"> • Since September 2010 until September 2011 (1 year)

Recent Publications within last five years	
Name of researcher(s)	Research title, Publisher, Date
Al-Sayyed, R., Abu Awwad, F., Itriq, M., Suleiman, D., AlSaqqa, S., & AlSayyed, A.	"The pass/fail grading system at Jordanian universities for online learning courses from students' perspectives", (2023, May). <i>In Frontiers in Education (Vol. 8, p. 1186535). Frontiers Media SA.</i>
Hababeh, I., Khalil, I., Al-Sayyed, R., Moshref, M., Nofal, S., & Rodan	"Competent Time Synchronization Mac Protocols to Attain High Performance of Wireless Sensor Networks for Secure Communication", A. (2023). <i>Cybernetics and Information Technologies</i> , 23(1), 75-93.
Esra'A. Alhenawi, Rizik Al-Sayyed, Amjad Hudaib, and Seyedali Mirjalili	"Feature selection methods on gene expression microarray data for cancer classification: A systematic review." <i>Computers in biology and medicine</i> , 140 (2022): 105051. Scopus Q1 Journal, IF: 6.69
Salem, A., & Al-Sayyed, R.	"Security Framework for Hosting Systems on the Cloud: Case Study of Jordan E-Government Websites", (2022, November). In <i>2022 International Conference on Emerging Trends in Computing and Engineering Applications (ETCEA)</i> (pp. 1-6). IEEE.
Harahsheh, Heba, Mohammad Alshraideh, Saleh Al-Sharaeh, and Rizik Al-Sayyed	"Improving Classification Performance for Malware Detection Using Genetic Programming Feature Selection Techniques." <i>Journal of Applied Security Research</i> (2022): 1-21. Scopus Q2 Journal, IF: 1.24
Moshref, Mahmoud, Rizik Al-Sayyed, and Saleh Al-Sharaeh.	"Improving the quality of service in wireless sensor networks using an enhanced routing genetic protocol for four objectives." <i>Indonesian Journal of Electrical Engineering and Computer Science</i> 26, no. 2 (2022): 1182-1196. Scopus Q3
S. Hussein, M. Otair, S. Alzoubi, A. Al-Sayyed, S. Numan, A. Numan, S. Jamal, and R. Al-Sayyed	"Diagnosis of COVID-19 from X-rays Using Recurrent Neural Network", <i>Information Sciences Letters</i> , 11, No. 6, 2279-2284. Scopus Q2
Suleiman, Dima, Aseel Odeh, and Rizik Al-Sayyed	"Arabic Sentiment Analysis Using Naïve Bayes and CNN-LSTM." <i>Informatica</i> 46, no. 6 (2022). Scopus Q4
Afaf Edinat, Rizik Al-Sayyed, & Amjad Hudaib	"A Survey on Improving QoS in Service Level Agreement for Cloud Computing Environment." <i>International Journal of Interactive Mobile Technologies</i> 15, no. 21 (2021).
Monther Khalafat, Ja'far S. Alqatawna, Rizik Al-Sayyed, Mohammad Eshtay, and Thaeer Kobbaey.	"Violence Detection over Online Social Networks: An Arabic Sentiment Analysis Approach." <i>International Journal of Interactive Mobile Technologies</i> 15, no. 14 (2021). Scopus Q2 Journal, IF: 2.243
Aya Taleb, Rizik Al-Sayyed, and Hamed Al-Bdour	"A New Ensemble Technique Based on Merging Other Known Techniques in The Social Network Analysis." <i>International Journal of Interactive Mobile Technologies</i> 15, no. 12 (2021). Q2 Journal, IF: 2.243
Mahmoud Moshref, Rizik Al-Sayyed, and Saleh Al-Sharaeh	"An Enhanced Multi-Objective Non-Dominated Sorting Genetic Routing Algorithm for Improving the QoS in Wireless Sensor Networks." <i>IEEE Access</i> 9 (2021): 149176-149195. Scopus Q1 Journal, IF: 3.367
Ahmad K. Al Hwaitat, , Rizik MH Al-Sayyed, Imad KM Salah, Saher Manaseer, Hamed	"Frequencies Wave Sound Particle Swarm Optimisation (FPSO)." <i>Journal of Experimental & Theoretical Artificial Intelligence</i> (2021): 1-32.

S. Al-Bdour, and Sarah E. Shukri.	<i>Scopus Q1 Journal, IF: 2.111</i>
Sarah E. Shukri, Rizik Al-Sayyed , Amjad Hudaib, and Seyedali Mirjalili	"Enhanced multi-verse optimizer for task scheduling in cloud computing environments." <i>Expert Systems with Applications</i> 168 (2021): 114230. <i>Scopus Q1 Journal, IF: 8.665</i>
Dana A. Al Qudah., Bashar Al-Shboul, Rizik Al-Sayyed , and Alexandra I. Cristea.	"Investigating users' experience on social media ads: perceptions of young users." <i>Heliyon</i> 6, no. 7 (2020): e04378. <i>Scopus Q1 Journal, IF: 3.776</i>
Hassonah, Mohammad A., Rizik Al-Sayyed , Ali Rodan, Al-Zoubi Ala'M, Ibrahim Aljarah, and Hossam Faris.	"An efficient hybrid filter and evolutionary wrapper approach for sentiment analysis of various topics on Twitter." <i>Knowledge-Based Systems</i> 192 (2020): 105353. <i>Scopus Q1 Journal, IF: 8.139</i>
Al-Sayyed , Rizik MH, Hijawi Wadi'A, Anwar M. Bashiti, Ibrahim AlJarrah, Nadim Obeid, and Omar YA Al-Adwan.	"An Investigation of Microsoft Azure and Amazon Web Services from Users' Perspectives." <i>International Journal of Emerging Technologies in Learning (iJET)</i> 14, no. 10 (2019): 217-241. <i>Scopus Q1 Journal, IF: 2.587</i>
Alazzam, Hadeel, Esraa Alhenawi, and Rizik Al-Sayyed .	"A hybrid job scheduling algorithm based on Tabu and Harmony search algorithms." <i>The Journal of Supercomputing</i> 75, no. 12 (2019): 7994-8011. <i>Scopus Q1 Journal, IF: 2.557</i>
MAHMOUD MOSHREF, RIZIK AL-SAYYED , SALEH AL-SHARAEH	"MULTI-OBJECTIVE OPTIMIZATION ALGORITHMS FOR WIRELESS SENSOR NETWORKS: A COMPREHENSIVE SURVEY." <i>Journal of Theoretical and Applied Information Technology (JATIT)</i> 31st July 2020. Vol.98. No 14. <i>Scopus Q3</i>
Moshref, Mahmoud, and Rizik Al-Sayyad .	"Developing ontology approach using software tool to improve data visualization (case study: computer network)." <i>Int. J. Mod. Educ. Comput. Sci. (IJMECS)</i> 11, no. 4 (2019): 32-39.
Ghatasheh, Nazeeh, Hossam Faris, Ibrahim Aljarah, and Rizik MH Al-Sayyed .	"Optimizing software effort estimation models using firefly algorithm." <i>arXiv preprint arXiv:1903.02079</i> (2019).
Al HWAITAT, AHMAD K., SAHER MANASEER, and RIZIK MH AL-SAYYED .	"A SURVEY OF DIGITAL FORENSIC METHODS UNDER ADVANCED PERSISTENT THREAT IN FOG COMPUTING ENVIRONMENT." <i>Journal of Theoretical and Applied Information Technology</i> 97, no. 18 (2019). <i>Scopus Q3</i>
Bagaeen, Aroba, Sawsan Al-Zoubi, Rizik Al-Sayyed , and Ali Rodan.	"Storage as a Service (STaaS) Security Challenges and Solutions in Cloud Computing Environment: An Evaluation Review." In <i>2019 Sixth HCT Information Technology Trends (ITT)</i> , pp. 208-213. IEEE, 2019.
Abu-Srhan, Alaa, B. Alhammad, S. Al, and R. Al-Sayyed .	"Visualization and Analysis in Bank Direct Marketing Prediction." <i>Int. J. Adv. Comput. Sci. Appl</i> 10, no. 7 (2019): 651-657.
Alzaqebah, Abdullah, Rizik Al-Sayyed , and Raja Masadeh.	"Task Scheduling based on Modified Grey Wolf Optimizer in Cloud Computing Environment." In <i>2019 2nd International Conference on new Trends in Computing Sciences (ICTCS)</i> , pp. 1-6. IEEE, 2019.
Qaisi, Laila M., Ali Rodan, Kefaya Qaddoum, and Rizik Al-Sayyed .	"Customer churn prediction using data mining approach." In <i>2018 Fifth HCT Information Technology Trends (ITT)</i> , pp. 348-352. IEEE, 2018.
Taha, Nashrawan, Rizik Al-Sayyed , and Ali Rodan, eds.	<i>Social Media Shaping E-Publishing and Academia</i> . Springer International Publishing, 2017.

Al-Sayyed, Rizik MH , Feras F. Namous, AlMonther H. Alkhalafat, Bashar Al-Shboul, and Samar Al-Saqqa.	"New Synchronization Algorithm Based on Delta Synchronization for Compressed Files in the Mobile Cloud Environment." <i>International Journal of Communications, Network and System Sciences</i> 10, no. 4 (2017): 59-74.
Alqatawna, Ja'far, Alia Madain, Al-Zoubi Ala'M, and Rizik Al-Sayyed .	"Online social networks security: Threats, attacks, and future directions." In <i>Social Media Shaping e-Publishing and Academia</i> , pp. 121-132. Springer, Cham, 2017.
Shaheen, Ameen, Rizik Al-Sayyed , and Azzam Sleit.	"Improving visual analyses and communications of ontology by dynamic tree (case study: computer system)." <i>International Journal of Advanced and Applied Sciences</i> 4, no. 5 (2017): 62-66.

Scientific conferences and symposia

Conference Title	Place and date of conference	Type of Participation
1 st International Conference on Online and Blended Learning	The University of Jordan, 23-24 August, 2021	Chairman
The 2 nd International Conference on New Trends in Computer Science (ICTCS'19)	Amman – Jordan October 9-11, 2019	Attendee
The 5 th International Conference on E-Publishing, ICEPUB2019	Amman - Jordan 24 th - 26 th September, 2019	Scientific and organizing Committee
The 4 th International Conference on E-Publishing, ICEPUB2018	Amman - Jordan 10 th - 12 th September, 2018	Scientific and organizing Committee
The 3 rd International Conference on E-Publishing	Amman - Jordan July 25 – 27, 2017	Scientific and organizing Committee

Committees...

The University of Jordan, King Abdullah II School for Information Technology, (2009 – Present) ...

- Member of University Council
- Member / Chairperson of the Curriculum Committee
- Member / Chairperson of the Graduate Studies Committee
- Member of College Council
- Member of Student Affairs Committee
- Member of the Scientific Research, Conferences, Seminars, and Expositions Committee.
- Member of the e-Learning Committee.
- Many other committees on the university and school levels

Technologies...

- Packages: Matlab, SPSS
- Oracle SQL*Plus, PL/SQL, Forms, Reports, MySQL, SQL Server, and MongoDB
- Programming languages: Python, Visual Basic.Net, C++, Visual C++, Java, Cobol, Pascal, and Assembly
- Multimedia Tools: Camtasia, Captivate, Photoshop
- Active Server Pages.Net

Teaching activities

Taught Courses	Bachelor	Graduate
Database Management Systems	<input checked="" type="checkbox"/>	
Database Languages and Tools (Oracle)	<input checked="" type="checkbox"/>	
Computer Simulation in Business	<input checked="" type="checkbox"/>	
Web applications Development – 2	<input checked="" type="checkbox"/>	
Social Media Networks	<input checked="" type="checkbox"/>	
Discrete Math	<input checked="" type="checkbox"/>	
PhP Programming	<input checked="" type="checkbox"/>	
Logic Design	<input checked="" type="checkbox"/>	
Computer Skills (C++)	<input checked="" type="checkbox"/>	
Fundamentals of Computer Science	<input checked="" type="checkbox"/>	
Computer Basics	<input checked="" type="checkbox"/>	
Computer Skills for Medical Students	<input checked="" type="checkbox"/>	
Cloud Computing		<input checked="" type="checkbox"/>
eGovernemnt Infrastructure		<input checked="" type="checkbox"/>
Research Methodology		<input checked="" type="checkbox"/>
Special Topics for master		<input checked="" type="checkbox"/>
MongoDB		<input checked="" type="checkbox"/>
Information Visualization		<input checked="" type="checkbox"/>
Special Topics for PhD (Cloud)		<input checked="" type="checkbox"/>

Graduate Students Supervision

PhD Supervision		Master Supervision	
Student Name	Role	Student Name	Role
محمود ابراهيم عبد الرحمن مشرف	Main	ليلي محمد محمود القيسي	Main
ساره عماد خالد شكري	Main	محمد حسونة	Main
عفاف خليل عطا الله العدينيات	Main	المنذر حسن مصطفى الخلفات	Main
اسراء محمود سليم الحناوي	Main	أنور / محمدنظام / أنور البشيتي	Main
أحمد الحويطات	Main + Co-S.	غدير احمد رشيد قصص	Main
فاطمه عمر علي حيمور	Co-supervisor	علي عبدالعزيز جروح السرحان	Main
ضحى محمد بسام عارف قطيشات	Co-supervisor	اياة منظر حسن طالب	Main
		بسمه مصطفى محمود ارتاحي	Main
		محمد زكريا علي معابده	Main
		ازهار فيصل مرزي الطراد	Main
		فراس فؤاد ناموس	Co-supervisor
		دانة مصطفى احمد محمد	Co-supervisor

Professional Development (PD)**1. Training courses I attended**

S.	Course Name	HRS	Date(s)	Place
1	ABET Continuous Improvements	12	Many times	JU
2	ABET Course File Preparation	12	Many times	JU
3	Using LMS Platform	6	11/11/2020 – Online	JU
4	Using the JUE Exams and ExamBuilder	6	24/11/2021 - Online	JU
5	Preparing Content for Blended Learning Courses	6	30/6 – 1/7/2021 - Online	JU
6	Using Advanced Features of MS Teams & Moodle	6	17/11/2021 – Online	JU
7	Hybrid Learning	6	20/7/2021 – Online	JU

2. Training courses I attended				
S.	Course Name	Duration	Date(s)	Country
1	Postgraduate Certificate Research Methodology (PGCRM)	1 Yr	July 2, 2007	Leeds, UK
2	ICDL Expert Certificate	5 Days	Dec. 15, 2008	Dubai
3	IC ³ Authorized Instructor (CertiPort)	5 Days	January 6, 2006	USA
4	CTP Training Professional	5 Days	Dec. 6, 2005	Dubai, UK
5	All Advanced ICDL Exams	Exams	June 12-14, 2007	UK
6	Miscrosoft Office Specialist MASTER INSTRUCTOR: Ppt, WRD, ACC, EXC, OUTL	Exams	January 6, 2006	UK
7	Miscrosoft Office Specialist in MS Outlook 2002	Exam	May 24, 2005	UK
8	Miscrosoft Office Specialist MASTER: PPT, WRD, ACC, EXC	Exams	May 18, 2005	UK
9	Miscrosoft Office Specialist in MS Excel 2002 EXPERT	Exam	May 18, 2005	UK
10	Miscrosoft Office Specialist in MS Access 2002	Exam	May 16, 2005	UK
11	Miscrosoft Office Specialist in MS Word 2002 EXPERT	Exam	May 15, 2005	UK
12	Miscrosoft Office Specialist in MS PowerPoint 2002	Exam	May 10, 2005	UK
13	Miscrosoft Office Specialist in MS Excel 2002	Exam	May 8, 2005	UK
14	Miscrosoft Office Specialist in MS Word 2002	Exam	May 7, 2005	UK
15	Instructor Certification Program (ICP) – Certified Instructor	90 Hrs	May 29, 2003	ExecuTrain, Dubai
16	Administering MS Windows NT 4.0	75 hrs	March 21, 1999	UAE
17	Supporting MS Windows NT 4.0 Core Technologies	75 hrs	April 28, 1999	UAE
18	OSF/1 Commands Utilities	40 Hrs	7/1/95 - 11/1/95	Qatar
19	OSF/1 Technichal Overview	8 Hrs	12/1/95	Qatar
20	OSF/1 System Administration	40 Hrs	30/1/95 - 4/2/95	Qatar
21	Introduction To PC Networking and Integration	8 Hrs	14/2/95	Qatar
22	Pathworks V5. Basic User	8 Hrs	15/3/95	Qatar
23	Pathworks V5. Administration	16 hrs	16/3/95 - 17/3/95	Qatar
24	Oracle SQL*Plus	32 Hrs	25/3/95 - 28/3/95	Qatar
25	Oracle – Using Procedural Options	16 Hrs	29/3/95 - 30/3/95	Qatar
26	Oracle SQL*Forms 3.0	40 Hrs	1/4/95 - 5/4/95	Qatar
27	Programming in C Language	40 Hrs	22/4/95 - 26/4/95	Qatar

28	Pathworks V5. Installing and Configuring OSF/1 Server	24 Hrs	15/5/95 - 18/5/95	Qatar
29	Pathworks V5. Installing and Configuring Mutivendor Client	24 Hrs	20/5/95 - 22/5/95	Qatar
30	Oracle Report Writer	24 Hrs	30/5/95 - 1/6/95	Qatar
31	Oracle DBA – I	32 Hrs	3/6/95 - 6/6/95	Qatar
32	Oracle DBA – II	32 Hrs	28/10/95 - 31/10/95	Qatar
33	Oracle Forms 4.5	32 Hrs	1/11/95 - 5/11/95	Qatar
34	Oracle Reports 2.5	32 Hrs	6/11/95 - 9/11/95	Qatar
35	Digital Unix Network Management	32 Hrs	11/11/95 - 14/11/95	Qatar
36	Digital Unix Security	24 Hrs	18/11/95 - 20/11/95	Qatar
37	HP-UX Fundamentals and Operations	10 Days	5/12/92	Qatar
38	IT and Education, St Mark and St John College	5 Months	15/3/88 – 5/8/88	Plymouth, UK
39	Computer Awareness	6 Months	2/1988 - 8/1988	UK