C.V.

Zafer Ibrahim Mutlaq AL-Makhadmeh
PhD,Computer Aided Design

Personal Information :

Date & place of birth :	Oct. 19. 1973, Kuwait, Kuwait.
Nationality :	Jordanian.
Marital Status :	Married (2 children).
E- mail Address:	zalmakhadmee@ksu.edu.sa ;zalmakhadmeh@gmail.com
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Personal characteristics:

1. Leadership, goal–oriented and goal-seeking performance.

2. Strong commitment to a company's/ organization's mission.

3. Flexible approach towards decision-making situation.

4. Obliging, hardworking, creative, friendly, cooperative and able to work in a team.

University Degrees :

Ph.D. with honors "Computer Aided Design" (2001) from: Kharkov National Technical University of Ukraine, Kharkov, Ukraine. Faculty of Information and Computer Engineering, Department of Computer Engineering.

Ph.D. Dissertation title: "Project decision making support Subsystem at creating Security Systems of Non Productive Sphere Objects".

M.Sc. and **B.Sc.** with honors (4,5/5) (1998) from: Kharkov National Technical University of Ukraine, Kharkov, Ukraine. Faculty of Information and Computer Engineering. Department of Computer Engineering.

School Education:

High School, Ramtha High School, 1992,   Ramtha,Jordan.

Languages:

1. Arabic (mother tongue).

2. English (Good speaking, writing and reading).

3. Russian (Good speaking, writing and reading).

Other qualifications:

Diploma of teaching Russian Language.

Academic Experience.

1. From 20/5/2019 till now Associate Prof. at King Saud University / Department of Computer Science. Kingdom of Saudi Arabia.

2. From 1/9/2008 until 19/5/2019 Assistant Prof. at King Saud University / Department of Computer Science. Kingdom of Saudi Arabia.

3. From 1. September 2002 until 31/8/2008 Assistant Prof. at Irbid National University/ Faculty of Science and Information Technology/ Department of Computer Science. Jordan

4. From 1/2/ 2002 until 31 /8/ 2002, Assistant Prof. at Israa University/ Faculty of Information Technology. Jordan

Administrative Experience:

1. Head of Computer Science Department at Computer Science Department/Irbid National University from 31/8/2006 → 31/8/2008.

2. Member of Standard 4 committee for COE accreditation.

3. Head of Standard 10 and 11 committees (Higher Education Research and 11 Institutional Relationships with the Community) for NCAAA accreditation.

4. Member of Academic Programs Development Committee at Computer Science Department, King Saud University.   2008→now

5. Representative for the Faculty of IT in the Irbid National University council from 19/9/2006 → 12/2/2008.

6. Director of Computer Center at Irbid National University. Jordan 2006 – 2008.

7. Member of many committees at Irbid National University (Educational Program Committee, Scientific Research Committee……)

8. Member of Employment Committee at Computer Science Department.   2008→now

9. Member of Committee of follow-up student's affairs and graduation at Computer Science

Department.   2008→now

10.   Head of Exams committee at Computer Science Department.   2009→now

Achievements

1. Contributed in achieving international accreditation from COE for Riyadh Community College (Member of Standard 4).
2. Contributed in achieving national accreditation from NCAAA for Riyadh Community College. (Head of Standards 10 and 11).

Supervision

1. Supervision Master's Degree Thesis
2. Supervision of over 100 graduation projects (Database using Oracle, Database using VB.NET, Web design, Electronics)

Courses Taught

1. Computer Networks (Theoretical & Practical).
2. System Analysis and Design. (Theoretical & Practical).
3. VB.NET Programming.
4. Modeling and Simulation of Management Systems.
5. Visual Basic.
6. Information Security.
7. Digital Logic Design.
8. Microprocessor I (Assembly).
9. Microprocessor II.
10. Computer Architecture.
11. Computer Skills.
12. Introduction to Information Technology.

Training Courses and Workshops:

1. Scientific Research Methodology.
2. Smart Class Teaching.
3. Methods of teaching and assessment.
4. Student Assessment Skills.
5. Course Portfolio.

6. Active Learning Strategies.

7. Using Adobe Photoshop for Images Manipulation.

8. Instructional design for e-learning.

9. Raising courses on e-learning management system(Blackboard).

10. Fundamentals e-learning management system.

11. Smart Class Room.

12. Preparing Data using SPSS.

13. Specification and Report of Academic Program.

14. Use of Information & communication Technology in Academic Teaching.

Board of Assessors 2017

Editor / Revewer

1. Editor in journal of management and financial information processing.
   (http://www.humanpub.org/jfip/home/index.html).

2. Editor in journal of data mining and information retrieval.
   (http://www.aicit.org/jdmir/home/index.html).

Researches and conferences:

Published papers (Last 4 Years)

1. Wearable sensor-based fuzzy decision-making model for improving the prediction of human activities in rehabilitation, Measurement, (**IF 3.3 – Q1**) 2020.

2. SRAF: Scalable Resource Allocation Framework using Machine Learning in user-Centric Internet of Things, Peer-to-Peer Networking and Applications (**IF 2.7 – Q2**) 2020.

3. Internet of things-based urban waste management system for smart cities using a Cuckoo Search Algorithm, Cluster Computing (**IF 1.80 – Q2**) 2020.

4. EMS: An Energy Management Scheme for Green IoT Environments, IEEE Access (**IF 4.098 – Q1**) 2020.

5. Training Convolutional Neural Networks with Multi-Size Images and Triplet Loss for Remote Sensing Scene Classification, sensors , (**IF 3.031 – Q2**) 2020.

6. Reusable Mesh Signature Scheme for Protecting Identity Privacy of IoT Devices, sensors , (**IF 3.031 – Q2**) 2020.

7. A recursive learning technique for improving information processing through message classification in IoT cloud storage, Computer Communications (**IF 2.7 – Q2**) 2020.

8. TBM: A trust-based monitoring security scheme to improve the service authentication in the Internet of Things communications, Computer Communications (**IF 2.7 – Q2**) 2020.

9. Motifs in Big Networks: Methods and Applications ,IEEE Access (**IF 4.098 – Q1**) 2019.

10. A Classifier Matrix Recognition System for Traffic Management and Analysis in a Smart City Environment,IEEE Access (**IF 4.098 – Q1**) 2019.

11. Securing Cryptographic Chips against Scan-Based Attacks in Wireless Sensor Network Applications, sensors, (**IF 3.031 – Q2**) 2019.

12. Utilizing IoT wearable medical device for heart disease prediction using higher order Boltzmann model: A classification approach, Measurement, (**IF 2.7 – Q2**) 2019.

13. Automatic hate speech detection using killer natural language processing optimizing ensemble deep learning approach, Computing, (**IF 2.1 – Q2**) 2019.

14. An improved density-based single sliding clustering algorithm for large datasets in the cultural information system, Personal and Ubiquitous Computing, (**IF 1.9 – Q2**) 2019.

15. TBI2Flow: Travel behavioral inertia based long-term taxi passenger flow prediction, World Wide Web, (**IF 1.7 – Q3**) 2019.

16. An Intelligence Based Recurrent Learning Scheme for Optimal Channel Allocation and Selection in Device to Device Communications, circuts, systems,and image processing, (**IF 1.998 – Q2**) 2019.

17. Multi-level decision system for patient behavior analysis based on wearable device information, Computer Communications, (**IF 2.7 – Q2**) 2019.

18. A Recurrent Learning Method Based on Received Signal Strength Analysis for Improving Wireless Sensor Localization, circuts, systems,and image processing, (**IF 1.998 – Q2**) 2019.

19. Automatic detection of lung cancer from biomedical data set using discrete AdaBoost optimized ensemble learning generalized neural networks, Neural Computing and Applications, (**IF 4.2 – Q1**) 2019.

20. Cooperative data forwarding based on crowdsourcing in vehicular social networks, Pervasive and Mobile Computing, (**IF 2.9 – Q1**) 2018.

21. STLoyal: A Spatio-Temporal Loyalty-based Model for Subway Passenger Flow Prediction, IEEE ACCESS,(**IF 3.21 – Q1**) 2018.

22. PePSI: Personalized Prediction of Scholars' Impact in Heterogeneous Temporal Academic Networks, ACCESS,(**IF 3.21 – Q1**) 2018.

23. Understanding the Advisor-advisee Relationship via Scholarly Data Analysis, Scientometrics, (**IF 2.1 – Q1**) 2018.

24. A Big Data Approach to Sentiment Analysis using Greedy Feature Selection with cat swarm

optimization based long short-term memory neural network, the Journal of Supercomputing, (**IF 1.3 – Q2**) 2018.

25. PePSI: Personalized Prediction of Scholars' Impact in Heterogeneous Temporal Academic Networks, IEEE ACCESS (**IF 3.21 – Q1**) 2018.

26. A social-based watchdog system to detect selfish nodes inopportunistic mobile networks, Future Generation Computer Systems (**IF 3.997- Q1**) 2018.

27. Montreal Imaging Stress Task Based Human Stress and Strain Analysis Using Image Processing Techniques, Journal of Medical Imaging and Health Informatics, (**IF 0.832 – Q4**) 2018.

28. Engineering Molecular Communications Integrated with Carbon Nanotubes in Neural Sensor Nanonetworks, IET Nanobiotechnology , (**IF 1.546- Q3**) 2017

29. IS2Fun: Identification of Subway Station Functions Using Massive Urban Data, IEEE ACCESS. (**IF 3.21 – Q1**) 2017