Curriculum Vitae

Personal Information

Name	Jamal Zraqou
Academic Rank	Associate Professor
Nationality	Jordanian
Address	Mohamad Khair Al-Awad St, Dahyat Alyasmeen, Amman, Jordan.

Contact Information	
Date of Birth	26-June, 1977
Phone	+962799000059
E-mail	Jamal_sam@iu.eu.jo
Research gate	https://www.researchgate.net/profile/Jamal_Zraqou
Google Scholar	https://scholar.google.com/citations?user=xxmzHiYAAAAJ&hl=en

Academic Qualification

Degree	Major	Awarding University	Duration From	Duration To	Country
B.Sc.	Computer Science	IU	1995	1999	Jordan
M.Sc.	Information System	AABFS	2000	2002	Jordan
PhD	Computer Science	Bradford University	2008	2011	United Kingdom
	Thesis Title: Automated System Design for the Efficient Processing of Solar Satellite Images.				

Quality Achievements

	Upon awarding the national quality assurance certificate to Isra University, I was administering the staff as the dean faculty of information technology who performed the required tasks resulting in the awarding honor.	2020
	TEJ stands for "Towards a university Enterprise alliance in Jordan", it is an international project sponsored by Erasmus Plus aiming to create long-term partnerships and collaborative research with Enterprises. I was the contact person representing Isra University.	2014

Training Courses

Training Courses	Organizer	Year	language
Microsoft .NET (C#, ASP.NET)	Microsoft	2004	English
Oracle (SQL, Forms, Graphics, and Reports)	Oracle	1998	English

Computer Programming Languages

Name	Developed Application
Android Studio for Android OS.	Gourmet Club, Tracking System
Swift for macOS and iOS	Gourmet Club
React Native for the front end and ASP.NET for the back end.	Smart Attendance System
ASP.NET	- CRM system implemented for five stars hotels. - Aquamarnia POS & Booking system
Desktop Application (C#.NET)	- Vehicle Status Reporting System - Lockers Rental System (UAE) - Data Center for PST company (UAE)
WordPress (PHP)	- Allure Laser Clinic - Mena Herald Business News
Oracle	- Students Accounting System
Joomla (PHP)	Advocate Support System

Professional Experience

Duration (Years)	Institution	Job title
2018 -2020	Isra University	Dean Faculty of Information Technology
2018 -2020	Isra University	Head of E-learning Council at Isra University
2018 -2020	Isra University	Head of Computer Center Council at Isra University
2011-2015	Isra University	Head of the Website Committee of IU
2013-2015	Isra University	Head of Computer Multimedia Systems & Computer Networks Departments
2005-2008	Isra University	Manager of Computer Center
2005-2021	Freelance	I have implemented the software of the vehicle status reporting system (Desktop App), the CRM & Gourmet Club for five stars hotels (web, Android, and iOS), and the Aquamarina reservation & booking system (Web App).

Academic Experience

Duration (Years)	University	Position
2018-Present	Isra University	Associate Prof.
2011- 2018	Isra University	Assistant Prof.
2009-2011	Bradford University	Research Assistant
2004-2008	Isra University	Lecturer
2002-2004	Arabia College	Lecturer
2001-2002	Al Quds College	Lecturer

Research Achievements

Year	Funded Project
2014	I have successfully enrolled in the TEMPUS European Project called TEJ project. It was the first European project registered for Isra University. A total amount of 53000 Euros was awarded to Isra University.
2019	I have administered a funded research project in Isra University titled "Toward a Smart University, Building a Smart Class Room".
2015	I have implemented an image studio application to efficiently process and browse solar images. It was implemented by using Csharp.Net & MATLAB. This application can: create automatic 3D viewing images (Anaglyphs), detect the solar active region, create super-resolution images from several low-resolution images, apply pair image alignment, similarity index between two images, and the most common of the image processing methods.
2010	I was working with a research team at Bradford university titled "The Interviewer". This funded research was focusing on recognizing the facial expressions of the interviewee to provide hints and tips. Resulting in a commercial application in the UK called "The Interviewer".

Postgraduate Supervision

Title	Supervisee
A Smart CASE Tool Design to Generate an Automatic Graphical User Interface	Maram Obiedat, 2020
An Enhancement Approach by Addressing Security Factors in AGLETS	Maen Al Rabadi, 2020
Implementation of a Decision Support System for Human Resources Evaluation and Selection	Anwar Al Ghlailat, 2020

Teaching Activities

#	Taught Courses	Bachelor
1	Information Systems Analysis and Design	✓
2	Introduction to Games System	✓
3	Object-Oriented Programming	✓
4	Computer Graphics	✓
5	Selected Topics (1) (C#.NET)	✓
6	Web Page Design (1)	✓
7	Web Page Design (2) (PHP & ASP.NET)	✓
8	Selected Topics (2) (Oracle 10g)	✓
9	2D Animation	✓
10	Multimedia Programming	✓
11	Database (1 and 2)	✓
12	Operating System	✓
13	Artificial Intelligence	✓
14	Graduation Project	✓
15	Advance Network Administration	✓
16	Web Programming	✓
17	Visual Basic Application	✓
18	Visual Basic (2)	✓
19	Computer Skills (1)	✓
20	Distributed Systems	✓
21	3D Animation	✓

Publications

Paper title	Author(2)	Journal	Vol. Issue	Year
A ROBUST USER AUTHENTICATION TECHNIQUE IN ONLINE EXAMINATION	*Nader Abdel Karim, Hasan Kanaker, Shadi Almasadeh, Jamal Zarqou*	Submitted to International Journal of Computing		2021
TRAFFIC ACCIDENT DETECTION USING GEOGRAPHIC INFORMATION SYSTEMS (GIS).	*Wesam Alkhadour, Jamal Zraqou,Adnan Al-Helli, and Sajeda Ghananeem*	International Journal of Advanced Computer Science and Applications (IJACSA)	Vol. 12, No. 4,	2021
A SMART CASE TOOL DESIGN TO GENERATE AN AUTOMATIC GRAPHICAL USER INTERFACE	*Maram Obiedat and Jamal Zraqou*	Submitted to European Journal of Engineering Research and Science		2021
A NEW HYBRID MULTI-FOCUS IMAGE-FUSION USING DMWT WITH FFT TRANSFORMS	*Adnan Al-Helali, Jamal Zraqou, Hamza Al-Sewadi, and Abdulla Al-Nuemi*	Journal of Theoretical and Applied Information Technology	Vol.99. No 10	2021
A ROBUST APPROACH FOR APPLYING A SECURE DATA TRANSMISSION	*Nedal M. Turab & Jamal Zraqou*	Journal of Theoretical and Applied Information Technology	Vol.97	2019
A NOVEL AUTHENTICATION AND AUTHORIZATION MODEL BASED ON MULTIPLE ENCRYPTION TECHNIQUES FOR ADOPTING SECURE E-LEARNING SYSTEM.	*Shadi R. Almasadeh, Jamal S. Zraqou, Mutaz Al-Azab*	Theoretical and Applied Information Technology	Vol. 96	2018
REAL-TIME OBJECTS RECOGNITION APPROACH FOR ASSISTING BLIND PEOPLE	*Jamal S. Zraqou, Wissam M. Alkhadour, and Mohammad Z. Siam.*	International Journal of Current Engineering and Technology	Vol.7	February 2017
A HYBRID METHOD FOR FINDING CORRESPONDENCES FROM UN-CALIBRATED PAIR OF HIGH-RESOLUTION IMAGES	*J. Zraqou, W. Alkhadour, A. Tayyar, and S. Masaadeh*	The Journal of MacroTrends in Technology and Innovation	Vol. 4	December 2016

ROBUST REAL-TIME FACIAL EXPRESSIONS TRACKING AND RECOGNITION	Zraqou, J., Alkhadour, W., & Al-Nu'aimi	International Journal of Technology and Educational Marketing (IJTEM)	Vol 4	March 2014
EMOTION INTERACTION WITH VIRTUAL REALITY USING HYBRID EMOTION CLASSIFICATION TECHNIQUE TOWARD BRAIN SIGNALS	Faris A. Abu hashish, Jamal Zraqou, and et al.	International Journal of Computer Science & Information Technology (IJCSIT)	Vol 7	April, 2015
A GENERIC ADAPTIVE MULTI-GENE-SET GENETIC ALGORITHM (AMGA)	Adi A. Maaita, Jamal Zraqou, Fadi Hamad and Hamza A. Al-Sewadi	International Journal of Advanced Computer Science and Applications	Vol 6	June, 2015
AN EFFICIENT IMAGE PROCESSING AND BROWSING TOOL FOR SOLAR IMAGES	Ahmad Odat, Adi Maaita, Fadi Hamad, Jamal Zraqou	Theoretical and Applied Information Technology	Vol 80	Oct 2015
AN EFFICIENT DETECTION SYSTEM FOR A DROWSY DRIVER	Jamal Zraqou, Adi Maaita, Wesam Alkhadour, Fadi Hamad	Theoretical and Applied Information Technology	Vol 78	June 2015
ENHANCED 3D PERCEPTION USING SUPER-RESOLUTION AND SATURATION CONTROL TECHNIQUES FOR SOLAR IMAGES	Zraqou J., Alkhadour W., Qahwaji R., Ipson S., and Ugail H	UbiCC	Vol 4	Sept 2009

Books

Book Title	Publisher	Country	Edition	Year
The Efficient Processing of Solar Satellite Images, Available on Amazon.com.	LAMBERT	Germany	1st	2012

Conference

Title	Authors	Date	Title	Place	ISBN/ Publisher	Pages
AVOIDING TRAFFIC CONGESTION ZONES USING A SMART LIGHTING ROAD SYSTEM	*Jamal Zraqou, Wesam Alkhadour, Adi Maaita, Nader Salameh, Hasan Kanaker, and Adnan Al-Helali*	-24 27 July 2021	ACC'21 - The 5th International Conference on Applied Cognitive Computing	United States Las Vegas	Springer	
Utilizing Smart GPS System for Monitoring & Tracking Vehicles	J. Zraqou	10-12 July 2018	Computing Conference 2018	London	Springer	1098-1103
A Hybrid Method for Finding Correspondences From Un-calibrated Pair of High-	J. Zraqou, W. Alkhadour,	19-21 December	Macro-trends in Technology and Science	Paris	1289-5556	20-26
RECOGNITION AND ACHIEVEMENT ENHANCEMENTS OF	Jamal Zraqou, Fadi	11 February	Conference of TEJ Project	Amman	Presented	10-16
Visualizing and Processing Solar Images Efficiently	Jamal Zraqou & Shadi	23 – 24 Nove	International Journal of Science and	Dubai	2278-3083	26-33
A novel secure system for E-Learning: Schools in MOE in Jordan Case Study	Shadi Masaadeh, Jamal	23 – 24 Nove	International Journal of Science and	Dubai	-2278 3083	15-19
A Secure Authentication System for ePassport Detection and Verification	Hamad, Fadi; Zraqou,	7-9 Sept. 2015	Intelligence and Security Informatics	Manchester, UK	978-1-4799-8651-4	173-176
Online Handwriting Recognition for Maldivian Language.	J. Zraqou	December 2014	Proceedings of the International Conference on	Thessaloniki, Greece	978-1-941968-04-8	81-85
An Efficient Approach for Recognizing and Tracking Spontaneous Facial	J. Zraqou, W. Alkhadour,	December 2013	The Second International Conference on	Lodz, Poland	978-1-4673-5093-8	19-23
Self-Embedding Watermarking for Digital Images Depending On Edge	Abdallah Al-Tahan Al-	2013	The Second International Conference on	Lodz, Poland	978-1-4673-5255-0	330-333
Hiding Degraded Version of Digital Image within Itself to Prove the Legal Ownership	J. Zraqou and A. Al-Nu'aimi	2012	The 2nd International Conference on	Palma De Mallorca, Spain	978-1-938302-05-2	31-25
An Automated Method for Generating an Enhanced Set of Correct Matches from Pairs	A. Al-Nu'aimi, A.	2012	The 2nd International Conference on	Palma De Mallorca, Spain	2227-331X	7-12
3D Modeling and Solar Image Processing Algorithms	T. Colak, R. Qahwaji, J.	Sep 2010	*Developed by Space Weather Research Team*	Presentation in Solar Image		

Creating Colour Anaglyph With Less Ghosting From Stereo Pair Images.	Alkhadour W., Ipson S.,	2009	International Conference on Information	Jordan		NN

Research Interests

1. Computer Graphics & Animation
2. Image Processing
3. Internet of Things
4. Information Security
5. Data Mining
6. Machine Learning
7. Virtual Reality
8. Artificial Intelligence
9. Cyber Security
10. E-Learning Systems
11. Smart Applications

Professional Memberships

1. Member of Information Technology Committee at the Ministry of Higher Education
2. Affiliated member of solar weather group http://spaceweather.inf.brad.ac.uk/team/jamal/
3. Director of the Research & Enterprise Office at IU, http://www.iu.edu.jo/reo

Honors/Awards

1	Ph.D. Full Scholarship- Isra university
2	Annual Collegiate Programming Contest, IU
3	Innovation Fair, under the umbrella of the European Tempus TEJ project, Petra University
4	Orange Social Venture Prize. The title of my project was "An Automated Aquaponics Care System Using Digital Smart Tools"

Languages

#	Language	Level
1	Arabic	Native
2	English	Proficient