C.V.
SHADI M S HILLES

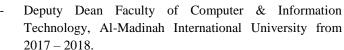|		
SUMMARY OF QUALIFIC-ATIONS	-	Associate Professor, Faculty of Computer & Info. Technology, Project manager in Industrial Revolution 4.0, Research & Innovation Division at Al-Madinah International University MEDIU.
	-	Deputy Dean Faculty of Computer & Information Technology, Al-Madinah International University from 2017 – 2018.
	-	HoD in Computer Science (2014 – 2018)
	-	HoD in Information Technology (2011– 2014)
	-	12 years' experience in academic field at University level
	-	PhD holder in Computer Systems and Networks
	-	Master degree holder in Computer Engineering and Networks

Personal Info	Birth Date:	12.02.1977
	Birth Place:	UAE/ Dubai
	Nationality:	Palestinian
	Current Resident:	Malaysia/ Kuala Lumpur
	Current position:	University Lecturer and Project manager in Research & Innovation
	Work Address:	Pusat Perdagangan Salak II, No, 18-G, Jalan 2/125e,Taman Desa Petaling, Kuala Lumpur 57100 Malaysia
	Work Email:	dr.shadi@mediu.edu.my,
	Private Email:	shadihilless@gmail.com
	h/p:	+60182788810
	ORCID	0000-0003-1019-7727
	Website:	IR4.0 centre
		Faculty Profile
		Scopus, Scholar google, Research Gate

AREAS OF INTEREST	-	Data Compression, Cyber security and Cryptography
	-	Computer vision, machine learning and deep learning

ACADEMIC QUALIFICATION

ACADEMIC QUALIFICATION	-	PhD in Computer Systems and Networks, Vinnytsia National Technical University. Ukraine, 2002 – 2006.
	-	Master in Computer Systems and Networks. Dnipropetrovs'k National University. Ukraine, 2000 – 2001.
	-	B.Sc. Computer Engineering and Networks, Dnipropetrovs'k National University, Ukraine, 1995 – 2000.

WORK EXPERIENCE & JOB DESCRIPTION

1. Researcher and University Lecturer at Al-Madinah International University 2018 – present
   - Project manager in Industrial Revolution 4.0 (IR 4.0) in Research & Innovation Division
   - Trainer workshop in cyber-physical systems IR 4.0 domains,
   - Editorial Manager in International Journal of IR 4.0 and Professional Education

2. University Lecturer Al-Madinah International University, Malaysia. 2010 – Present.

- Head of computer science department, faculty of computers & information technology.
- Teaching subjects and supervision of undergraduate and post-graduate students.
- Supervision PhD and Master Level
- Coordinator of final year project in Computer Science fields Bachelor level
- Coordinator of final year project in Computer Science fields Master level
- Industrial training coordinator for Bachelor level
- Membership of research quality control.
- Developing course curriculum as per accreditation and international standards of quality assurance
- Master and PhD programs coordinator.
- Editorial Manager of Data Science Journal publishes.

Taught Subjects:	- Networks and routing (8 semesters).
	- Multimedia Networking (8 Semesters).
	- Cryptography and Network security. (6 semesters)
	- Digital Image Processing (3 semesters).
	- Data Compression and coding (3 semester)
	- Digital Systems and design. (6 semesters)
	- Multimedia Technology. (6 semesters)
	- Computer Networks. (6 semesters)
	- Programming and Object Oriented Programming. (4 semesters)
	- Web Programming. (3 semesters)
	- Mathematic for computer scientific (3 semesters)
	- Probability and statistical (2 semesters)

3. University Lecturer at Al-Azhar University. Palestine. 03/2007 – 07/2010

Taught Subjects:	- Introduction to Information Technology
	- Computer Networks

4. University Lecturer at College of Science and Technology. Palestine. 03/2007 – 03/2009 (part-time)

Taught Subjects:	- Graphic and Design
	- Multimedia Photoshop, adobe flash, 3DMAX modelling, animation.
	- Web development ASP.NET & C#

POSTGRADUAT SUPERVISION

PhD Students:	- Rabiu Ibrahim title "An Evaluation Of Services Usage Of An E-Government Based On Theoretical Framework: A Case Study Of Federal Republic Of Nigeria" **(Graduated)**
	- Abdilahi Deria Liban research title "Hybrid Model of Latent Fingerprint Recognition Based on Gabor Filter and Enhanced Directional Total Variation" **(Graduated)**
	- Mahmood Adnan research title "Optimization of Vertical Handover Decision Processes for Fourth Generation Heterogeneous Wireless Networks" **(Completed)**
	- Jennifer C. Coloma research title "E-learning Management System: With Automated Essay Scoring based on pattern matching recognition in Arabic language" **(Completed)**
	- HUSSEIN ABD ALHALEEM HUSSEIN AL HROOT "Proposing a new approach to manage Storage encryption in trusted computing environment" **(Ongoing)**
	- Abdullah Ahmed Mohammed Harban thesis entitled "Use satellite imagery to detect cracks highways (Advanced Software Engineering methods)" **(Ongoing)**
M.Sc. Students:	- Samah Sabir Mohamed Hassan research title "Evaluation Security Concerns In Cloud Computing Virtual Machines (Case Study: Central Bank Of Sudan)" **(Graduated)**
	- FANIRAN Qazeem Oluwatosin research title "Evaluating IPv4 To IPv6 Transition For A Small Enterprise Company In Nigeria" **(Graduated)**
	- Hakkar Fouzi research title "Black-box tool for web applications vulnerabilities detection based on web crawler" **(Graduated)**
	- Huda . H . Ali. Mussa title "Automated attendance system using real time face detection and recognition case study mediu staff" **(Graduated)**
	- Farag .Osama Massoud title "Study of the e-banking services on North Africa Bank: Case of Tripoli branch" **(Graduated)**

	-	TAHIR BASHIR in area of "Security of Cloud Computing" new student (**Ongoing**)
Examiners for PhD and Master Students:	-	Oyebanji Jide Hassan "Evaluation Of Search Engines In Retrieving Relevant Document On Prophet Muhammad" Sep 2017
	-	Ayman Hasan Asfoor "SECURE NEIGHBOR ADVERTISMENT IN IPV6 SPOOFING " Feb 2016
	-	Rehan Jamal Tawfiq Hatab "Improve Website Rank Using Search Engine Optimization" Sep 2015
	-	Abdalrahman A. M. Abdalrazzaq " Comprehensive Data Security Framework for the Protection of Al Yamamah University Information Systems " Feb 2014
	-	Oladayo Sunday Olalekan " ADDRESSING VERIFIABILITY PROBLEM OF E-VOTING" Feb 2014

PROJECT RESEARCH, CONFERENCE, PUBLICATION AND BOOK CHAPTER

Project Research member	-	Topic title of current project "Develop Sustainable Framework of Multidisciplinary Program In Professional Education of Industrial Revolution 4.0"
	-	Topic title of current project "Development of cyber security holistic theoretical framework (in data and information fusion to recognize cyber terrorism in cyber space"
Conferences	-	IASTEM international conference of Science Technology, Engineering and Management, Jakarta, Indonesia entitled "To study University smart campus to matching requirements of industrial revolution 4.0 in Education case study "Al-Madinah International University MEDIU" accepted paper August 2019"
	-	IEEE International Conference of Smart Computing and Electronics Enterprise "SOFM and Vector Quantization for Image Compression: Review" Accepted paper 2018
	-	IEEE International Conference of Smart Computing and Electronics Enterprise "Spatial Frequency Filtering using SOFM for Image Compression" Accepted paper 2018
	-	IEEE International Conference of Smart Computing and Electronics Enterprise "Automated Essay Scoring with Ontology based on Text Mining and NLTK tools" Accepted paper 2018
	-	IEEE International Conference of Smart Computing and Electronics Enterprise "Facial detection and recognition using Random forest and combination of LBP and HOG features" Accepted paper 2018
	-	IEEE International Conference of Smart Computing and Electronics Enterprise "Latent Fingerprint Enhancement Based On Directional Total Variation Model With Lost Minutiae Reconstruction" Accepted paper 2018
	-	IEEE International Conference of Smart Computing and Electronics Enterprise "Adaptive Shuffled Frog Leaping Algorithm For Optimal Power Rate Allocation: Power Line" Accepted paper 2018
	-	The 2nd International Conference "Springer" on Soft Computing in Data Science Interactive Big Data Visualization Model Based on Hot Issues (Online news articles)
	-	Conference IGCESH2016 University Technology Malaysia, Johor Bahru, Malaysia 15-17 "LATENT FINGERPRINT ENHANCEMENT BASED ON HYBRID MODEL"
	-	Latent Fingerprint Segmentation and identification based on Hybrid Technique: ADTV Model and Back-propagation Algorithm, 1st. international conference on innovation in science Technology IICIST 2015.
	-	IEEE control and system Graduate Research Colloquium (ICSGRC 2014) "Enhancing mysql Injector Vulnerability Checker Tool (mysql Injector) Using Inference Binary Search Algorithm for Blind timing-based attack" 11th and 12th August 2014, Faculty of Electrical Engineering, Shah Alam, Malaysia.
	-	CCE 2014 international conference competition exhibition national level, "Self-Organization Feature Map Based on VQ Components to Solve Image Coding Problem" 24-25 June 2014 (Presenter) and published. The 1st , International Conference on Islamic Application in computer
	-	Science and Technologies 1st July 2013 - 2nd July 2013. Kuala Lumpur, Malaysia (Appreciation)

	- The 1st, International Conference on Islamic Application in Computer Science and Technologies, 1st July 2013 - 2nd July 2013. Kuala Lumpur, Malaysia (advisory committee).
	- The 1st Student Scientific Conference on Business Administration and E-commerce, 6th June 2013 – 11th June 2013 Kuala Lumpur, Malaysia (Attendance)
	- The 1st Student Scientific Conference on Business Administration and E-commerce, 6th June 2013 – 11th June 2013 Kuala Lumpur, Malaysia (Acknowledgements)
	- Mathematical modeling of optoelectronic frequency – Dynamic Neural Element, theses of the reports of the seventh International scientific conference "monitoring and control in complex systems."(MCCS – 2003). – Vinnytsia: University. – Vinnytsia – 2003. – p71 Ukraine. Vinnytsia
	- Mathematical And Computer Modeling of Opt-Electronic Frequency – Dynamic Neural Element. proceedings of the seventh international scientific conference "monitoring and control in complex system."(MCCS – 2003, Vinnytsia: UNIVERSUM – Vinnytsia. – 2003. – p53 – 56.
Publication	- Automated Essay Scoring using Ontology Generator and NLP with Question Generator Based on Blooms Taxonomy's Cognitive Level, published in international journal of engineering and advanced technology IJEAT 2019
	- Latent Fingerprint Enhancement Based on Directional Total Variation Model with Lost Minutia Reconstruction, published in International Journal of Automation and Smart Technology Scopus indexed journal 2018
	- Mobile Commerce in Malaysia—Opportunities and Challenges, published in American Scientific Publishers Scopus indexed journal 2018
	- Vertical Handover Decision Schemes in Fourth Generation Heterogeneous Cellular Networks: A Comprehensive Study, published in International Journal of Business Data Communications and Networking (IJBDCN), Publisher IGI Global, Scopus indexed journal 2018
	- Image Component Analysis Based on SOFM and Two-Dimensional Spatial Frequency Band-Pass Filter, submission research paper in IEEE conference eXpress. 2018
	- Latent Fingerprint Enhancement based on Directional Total Variation Model with Lost Minutiae Reconstruction – Acceptance to publish in Malaysian Journal of Fundamental and Applied Sciences ISI indexed journal
	- Efficient Real Time Attendance System Based on Face Detection Case Study "MEDIU Staff" - published research paper in International Journal of Contemporary Computer Research
	- An Evaluation Of E-Government Service Usage In The Federal Republic Of Nigeria – published research paper in International Journal of Contemporary Computer Research
	- Evaluating Ipv4 To Ipv6 Transition For A Small Enterprise In Nigeria – published research paper in International Journal of Contemporary Computer Research.
	- Vertical Handover Decision Schemes in Fourth Generation Heterogeneous Cellular Networks - A Comprehensive Study, Accepted in International Journal of Business Data Communications and Networking Scopus indexed journal – Q4.
	- Technology Acceptance Theories: Review and Classification – published research paper in IGI Global Publishing, International Journal of Cyber Behavior, Psychology and Learning (IJCBPL) Scopus indexed journal – Q4.
	- An Evolution to Next Generation Heterogeneous Cellular Networks, Published in IJCSNS International Journal of Computer Science and Network Security ISI indexed Journal
	- Theoretical Framework Formation for e-government Services Evaluation: Case Study of Federal Republic of Nigeria, Indian Journal of Science and Technology, Scopus indexed journal – Q2
	- Methodological process for evaluation of E-government services base on the Federal

	Republic of Nigerian citizen's e-government services usage", Indian Journal of Science and Technology, 9 (28), Scopus indexed journal – Q2
	- ARPN Journal of Engineering and Applied Sciences, Publisher 2014 Asian Research Publishing Network, Self-Organization Feature Map Based On VQ Components to Solve Image Coding Problem, Scopus indexed journal – Q3
	- Assessment in E-Learning Environment Readiness of Teaching Staff, Administrators, and Students of Faculty of Nursing-Benghazi University, International Journal of the Computer, the Internet and Management, At Thailand, Volume: 23
	- International Journal of Innovative Science, Engineering and Technology, Publisher 2014 Enhancing Security Concerns in Cloud Computing Virtual Machines :(Case Study On Central Bank Of Sudan)
	- Experimental research of optoelectronic neural elements on bi-spin device. International journal in Visnyk of Vinnytsia polytechnic Institute. – 2003. – N4, p24 – 31. Address: 21021, Ukraine.
	- Adaptive to contours 2D analysis and synthesis, International Journal in opt-electronic information – energy technologies. – 2002. – N2 (4). – P44 – 49.
Published Book Chapter	- "SOFM for Image Compression Based on Spatial Frequency Band-pass Filter and Vector Quantization (170719-100332)"published in IGI-Global publisher
	- "'Big Data and Privacy Issues for Connected Vehicles in Intelligent Transportation Systems'" Copyright Information: Springer International Publishing AG, part of Springer Nature 2018 Publisher Name: Springer, Cham/ Online ISBN: 978-3-319-63962-8, Number of Entries: 140
	- "Technology Acceptance Theories: Review and Classification" Copyright IGI Global Source Title: Technology Adoption and Social Issues: Concepts, Methodologies, Tools, and Applications Copyright: © 2018 |Pages: 16 DOI: 10.4018/978-1-5225-5201-7.ch001

KEYNOTE SPEAKER, MEMBERSHIP, AWARD, COMMITTEE MEMBER AND WORKSHOP

Keynote speaker	- Speech title "Cyber-physics system and challenges of security and privacy in Internet of things IoT" November 2019 International Conference on Electronic Engineering and Informatics, EEI 2019 Nanjing China http://www.iseei2019.org/keynotespeakers
	- Speech title "University smart campus and multidisciplinary program on IR 4.0", 20119 International Conference of Science Technology, Engineering and Management, Jakarta, Indonesia.
	- Speech title "Smart University and Industrial revolution 4.0", the 2019 international symposium on Advances in Electrical, Electronics and Computer Engineering 2019 in Zhuhai, China ISAEECE 2019
	- Speech title "Impact 4.0 industrial revolution in Education" 2019 4th International Conference on Electronic Technology and Information Science", ICETIS 2019 Shenzhen, China https://www.keoaeic.org/ICETIS2019/keynote
	- Speech title, Industrial revolution 4.0 in smart classroom, International conference in Fourth Industrial Revolution and its impact on education, Sohar, Sultanate of Oman, 21-23 Jan 2019.
Membership	- Membership in Institute for Engineering Research and Publication
	- Editorial Manager in International Journal in Industrial Revolution 4.0 and Smart University.
	- Membership of research and development committee, Al-Madinah International University, Malaysia
	- Membership of SPIE-The international Society for Optical Engineering, USA.
Chairman	- Chairman of International Symposium on sensors, Mechatronics and automation system ISSMAS Shenzhen, China http://www.issmas.org/committee
	- Publication chair of IEEE 2018 International Conference of Smart Computing and Electronics Enterprise https://icscee2018.mediu.edu.my/organizing-committee/
	- Chairman of 3th Scientific Seminar in ICT Application relevant and Contemporary Impacts June 2016 l-Madinah International University, Malaysia

Award	-	Achievement and Effects in preparing Academic Programs Feb 2017 Al-Madinah International University, Malaysia
	-	Best member of Faculty of Computers and Information Technology in 2016/ 2017 Al-Madinah International University, Malaysia
Committee member	-	International Technical Committee 2019 International Conference on Electronic Engineering and Informatics (EEI 2019) in Nanjing, China http://www.iseei2019.org/committee
	-	Committee member 19th world Conference on Applied Science, Engineering and Technology 2019 (WCASET - 19), Bangkok IFERP Developing Research. https://wcaset.in/organizing-committee.php
	-	Committee member International Advisory Board in "20th WCASET World Conference on Applied Science, Engineering and Technology on 26-27 June 2019 in Kuala Lumpur, Malaysia." https://wcaset.org/committee.php
	-	Committee member "the 2019 international symposium on Advances in Electrical, Electronics and Computer Engineering 2019 in Zhuhai, China ISAEECE 2019" https://www.keoaeic.org/ISAEECE2019/committee
	-	Committee member "2019 4th International Conference on Electronic Technology and Information Science", Shenzhen, China https://www.keoaeic.org/ICETIS2019/committee
	-	Committee member International Advisory Board in 22nd World Conference on Applied Science Engineering and Technology (WCASET - 19) Singapore https://wcaset.com/singapore/committee.php
Reviewer papers	-	Copy-move Image Forgery Detection Based on Gabor Descriptors and K-Means Clustering
	-	Identification of Age, Gender, Race & SMT from Unconstrained Facial Images Using Statistical Techniques
	-	An Improved Chaotic Image Encryption Algorithm
	-	Feature Data Reduction of MFCC Using PCA and SVD in Speech Recognition System
	-	Old handwritten Music Symbol Recognition using Directional Multi-resolution Spatial Features
	-	A Comparative Performance Evaluation Study of IPv4 and IPv6 Protocols on Voice and Video Packet Traffic Flow
	-	Identification of Age, Gender, Race & SMT from Unconstrained Facial Images Using Statistical Techniques
Workshop And Courses	-	Workshop in "Education 5.0" 25/04/2019 UITM, Selangor, Malaysia **(Participation)**
	-	Workshop in "University vision in IR 4.0" 2/ 2019 - Madinah International University, Malaysia **(Presenter)**
	-	Workshop in "Industrial revolution 4.0 and its impact on education" 2/ 2019 -Madinah International University, Malaysia **(Presenter)**
	-	Workshop in Principle of 4.0 Industrial Revolution, 12/ 2018 -Madinah International University, Malaysia **(Presenter)**
	-	Workshop and training in "Publishing a journal using Open Journal System (OJS)" 11/ 2018 -Madinah International University, Malaysia **(Trainer)**
	-	Workshop in Writing Scientific Research Paper 10 February 2017 Al-Madinah International University, Malaysia **(Participation)**
	-	Workshop in Table of Specification (Hands-On) 3 – 5 April 2017 Al-Madinah International University, Malaysia **(Participation)**
	-	Workshop in How to Write Proposals for sponsored Research 17 March 2017 Al-Madinah International University, Malaysia **(Participation)**
	-	Workshop in Measurement, Evaluation and Continuous Quality Improvement 28 August 2017 **(Participation)**
	-	Workshop in Effective Delivery for Online Lectures Using Braincert 30 August 2017 Al-Madinah International University, Malaysia **(Participation)**

- Workshop in Computer Networks, title "Static And Dynamic Routing Configuration" April 2017 Al- Madinah International University MEDIU**(Trainer).**
- Course in Information & communication technology Application: relevance and Contemporary Impacts" 3rd June 2016, **(Participation)**
- Course in How to Find a Clue about your Research (Endnote for Beginners) from 13th October 2011, Al- Madinah International University. **(Participation)**
- Course in Methodological Aspect of Research 14th September 2011, Al- Madinah International University, **(Participation)**
- Course in General Terms in the Modern Culture of Scientific Research 26th July 2011, AL-Madinah International University, **(Participation)**
- Course in Merging Art & Science to Make a New Research Topic "Leonardo Phenomenon" 6th October 2011, Al- Madinah International University, **(Participation)**
- Course in "Train Your Trainer" 19th - 20th September 2011, Al-Madinah International University, **(Participation)**
- Course in Student Time Management Record (STMR) Training 23th - 24th March 2011, Al Madinah International University, **(Participation)**
- Course in How to Find a Clue about your Research 13th October 2011, Al-Madinah International University, **(Participation)**

SKILLS

Computer Skills	- MATLAB Image Processing	
	- Python 3– Anaconda, cv2, numpy, pandas, scipy, sklearn,	
	- Packet tracer - Network implementation and Security	
	- Web development Django, bootstrap, HTML, CSS, Word-press	
	- Graphics Adobe illustrator and Photoshop	
	- Wireshark and packet tracer	
	- Open Journal System OJS	
Language Skills	- Arabic (mother tongue)	- Native
	- English	- Fluent
	- Russian	- Fluent
	- Ukrainian.	- Intermediate
Administrative Skills	- Manage a team	
	- Facilitate staff planning meetings, promoting individual high level of personal achievement	
	- Evaluate individual work performance and advised on career development	
	- Develop and introduce new client-centre team approach	
	- Part of a team to design new office procedure	
Teaching Skills	- Strong written and oral communication skills	
	- Strong interpersonal skills	
	- Demonstrated ability to work independently	
	- Demonstrated problem solving skills/ability to learn new things quickly	

REFERENCES

- Prof. Dr. Zainab Binti Abu Bakar, University Lecturer in Faculty of Computers & Information Technology Technology, Al-Madinah International University, Malaysia, Email: zainab.abubakar@mediu.edu.my, h/p: +60196917969
- Prof. Emer. Dr. Barjoyai Bardai, University Lecturer in Faculty of Finance and Administrative Science, Al-Madinah International University, Malaysia, Email: barjoyai.bardai@mediu.edu.my, h/p: +60122738414
- Prof. Dr. Hj. Wan Sulaiman Bin Wan Yusoff, Deputy CEO Research and Development, Student Affairs Alumni Research and Innovation Division, Email: wan.sulaiman@mediu.edu.my
- Prof. Oleh K. Kolesnytskj, Head of Department Artificial Intelligent, Khmeliniski shoes 95, Vinnytsia National Technical University, Ukraine, H/P: +380432-598-487 Email: okk- vin@mail.ru.