

## Curriculum Vitae

1. **Name Surname: Shadi M S Hilles**
2. **Date of Birth: 12/02/1977**
3. **Title: Associate Professor**
4. **Education: University Lecturer at Software Engineering Department**

Degree	Field	University	Year
Bachelor	Computer Engineer	Dnipropetrovsk National University	2000
Master	Computer Engineer in Networking	Dnipropetrovsk National University	2001
Doctorate	Computer Systems and Networks	Vinnitsia Polytechnical National University	2006
Post Graduate			

### 5. Academic Titles

Title	Department	University	Year/Period
Assistant Professor	Information Technology	Al-Madinah International University/ Malaysia	2011
Associate Professor	Computer Science and Network	Al-Madinah International University/ Malaysia	2015
Professor			

### 6. Graduate Theses Supervised

#### 6.1 Master Theses:

1. Samah Sabir Mohamed Hassan research title "Evaluation Security Concerns in Cloud Computing Virtual Machines (Case Study: Central Bank of Sudan)" **(2014 Graduated)**
2. FANIRAN Qazeem Oluwatosin research title "Evaluating IPv4 To IPv6 Transition for a Small Enterprise Company in Nigeria" **(2015 Graduated)**
3. Hakkar Fouzi research title "Black-box tool for web applications vulnerabilities detection based on web crawler" **(2016 Graduated)**
4. Huda . H . Ali. Mussa title "Automated attendance system using real time face detection and recognition case study mediu staff" **(2017 Graduated)**

5. Farag .Osama Massoud title “Study of the e-banking services on North Africa Bank: Case of Tripoli branch” **(2018 Graduated)**

## 6.2 Doctorate Theses

1. Rabi Ibrahim title “An Evaluation of Services Usage of an E-Government Based on Theoretical Framework: A Case Study Of Federal Republic Of Nigeria” **(2015 Graduated)**
2. Abdilahi Deria Liban research title “Hybrid Model of Latent Fingerprint Recognition Based on Gabor Filter and Enhanced Directional Total Variation” **(2016 Graduated)**
3. Mahmood Adnan research title “Optimization of Vertical Handover Decision Processes for Fourth Generation Heterogeneous Wireless Networks” **(2019 Completed)**
4. Jennifer C. Coloma research title “E-learning Management System: With Automated Essay Scoring based on pattern matching recognition in Arabic language” **(2019 Completed)**

## 7. Publications

### 7.1. Articles published in peer reviewed international journals (SCI, SSCI Arts and Humanities)

- i. Vertical Handover Decision Schemes in Fourth Generation Heterogeneous Cellular Networks: A Comprehensive Study, published in International Journal of Business Data Communications and Networking (IJBDCN, published on 2018 Scopus indexed journal
- ii. An Evolution to Next Generation Heterogeneous Cellular Networks, Published in IJCSNS International Journal of Computer Science and Network Security, published on 2017, ISI indexed Journal

### 7.2. Articles published in other peer reviewed international journals

- i. 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 – Q4
- ii. Latent Fingerprint Enhancement Based on Directional Total Variation Model with Lost Minutia Reconstruction, published in International Journal of Automation and Smart Technology, published on 2018 Scopus indexed journal
- iii. Mobile Commerce in Malaysia—Opportunities and Challenges, published in American Scientific Publishers, published on 2018, Scopus indexed journal
- iv. Technology Acceptance Theories: Review and Classification – published research paper in IGI Global Publishing, International Journal of Cyber Behavior, Psychology and Learning (IJCPL) published on 2017, Scopus indexed journal – Q4.
- v. 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
- vi. 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

- vii. 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
- viii. Efficient Real Time Attendance System Based on Face Detection Case Study “MEDIU Staff” - published research paper in International Journal of Contemporary Computer Research published 2017
- ix. An Evaluation of E-Government Service Usage In The Federal Republic Of Nigeria – published research paper in International Journal of Contemporary Computer Research published 2016
- x. Evaluating Ipv4 To Ipv6 Transition For A Small Enterprise In Nigeria – published research paper in International Journal of Contemporary Computer Research, published 2015.
- xi. 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, published 2015 Thailand, Volume: 23
- xii. 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) published 2014
- xiii. Experimental research of optoelectronic neural elements on bi-spin device. International journal in Visnyk of Vinnytsia polytechnic Institute. – 2003, Ukraine.
- xiv. Adaptive to contours 2D analysis and synthesis, International Journal in opt-electronic information – energy technologies. – 2002. – N2 (4). – P44 – 49.

### 7.3. Papers delivered in international conferences and printed as proceedings

- i. IEEE International Conference of Smart Computing and Electronics Enterprise “SOFM and Vector Quantization for Image Compression: Review” published 2018
- ii. IEEE International Conference of Smart Computing and Electronics Enterprise “Spatial Frequency Filtering using SOFM for Image Compression” published 2018
- iii. IEEE International Conference of Smart Computing and Electronics Enterprise “Automated Essay Scoring with Ontology based on Text Mining and NLTK tools” published 2018
- iv. IEEE International Conference of Smart Computing and Electronics Enterprise “Facial detection and recognition using Random forest and combination of LBP and HOG features” published 2018
- v. IEEE International Conference of Smart Computing and Electronics Enterprise “Latent Fingerprint Enhancement Based On Directional Total Variation Model With Lost Minutiae Reconstruction” published 2018
- vi. IEEE International Conference of Smart Computing and Electronics Enterprise “Adaptive Shuffled Frog Leaping Algorithm For Optimal Power Rate Allocation: Power Line” published 2018
- vii. The 2nd International Conference “Springer” on Soft Computing in Data Science Interactive Big Data Visualization Model Based on Hot Issues (Online news articles)

- viii. 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.
- ix. 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” published 2014, , Shah Alam, Malaysia.
- x. CCE 2014 international conference competition exhibition national level, “Self-Organization Feature Map Based on VQ Components to Solve Image Coding Problem” published 2014 published.
- xi. 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
- xii. 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.

#### 7.4. Books and sections in books published internationally

- i. “SOFM for Image Compression Based on Spatial Frequency Band-pass Filter and Vector Quantization (170719-100332)” published in IGI-Global publisher 2020
- ii. “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
- iii. “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

#### 7.5. Articles published in peer reviewed national journals

#### 7.6 Papers delivered at national conferences and printed as proceedings

#### 7.7 Other publications

#### **Patents**

### **8. Projects directed and participated**

#### **Participant on Projects:**

1. *Topic entitled* “Develop Sustainable Framework of Multidisciplinary Program *Research In Professional Education of Industrial Revolution 4.0*”

2. *Topic* entitled “Development of cyber security holistic theoretical framework (in data and information fusion to recognize cyber terrorism in cyber space”

## **9. Administrative designations**

1. Deputy Dean Faculty of Computer & Information Technology, Al-Madinah International University (2017 – 2018)
2. Head of Computer Science Department Al-Madinah International University (2014 – 2018)
3. Head of Information Technology Department, Al-Madinah International University (2011– 2014)

## **10. Membership in scholarly institutions**

1. Membership in Institute for Engineering Research and Publication
2. Editorial Manager in International Journal in Industrial Revolution 4.0 and Smart University.
3. Membership of research and development committee, Al-Madinah International University, Malaysia
4. Membership of SPIE-The international Society for Optical Engineering, USA.

## **11. Awards and grants**

1. Chairman of International Symposium on sensors, Mechatronics and automation system ISSMAS Shenzhen, China <http://www.issmas.org/committee>, Kuala Lumpur, Malaysia
2. Publication chair of IEEE 2018 International Conference of Smart Computing and Electronics Enterprise <https://icscee2018.mediu.edu.my/organizing-committee/> , Kuala Lumpur, Malaysia
3. Chairman of 3th Scientific Seminar in ICT Application relevant and Contemporary Impacts June 2016 I-Madinah International University, Malaysia
4. 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>
5. Speech title “University smart campus and multidisciplinary program on IR 4.0”, 2019 International Conference of Science Technology, Engineering and Management, Jakarta, Indonesia.
6. 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 ISAECE 2019

7. 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>
8. 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.
9. Award in Achievement and Effects in preparing Academic Programs Feb 2017 Al-Madinah International University, Malaysia
10. Award as Best member of Faculty of Computers and Information Technology in 2016/ 2017 Al-Madinah International University, Malaysia

## 12. Courses taught over the last two academic years

Year-Term	Course Name	Hours/week		Number of Students
		Theoretical	Applied	
2019-2020 Fall	Object Oriented Programing Java	2	2	55
	Software Architecture	2	1	4
	Software Standard and Quality	3	0	15
	Cryptography	3	0	13
	Networks and routing	2	2	25
	Digital Image Processing	2	2	30
2019-2020 Spring	Data Compression and coding	2	2	30
	Object Oriented Programming I	2	2	21
	Operating System	3	0	5
2020-2021 Fall	Web Programming and Development	2	2	45
	Software Quality Standards	3		16
	Software Architecture	3		13
	Introduction to Information Security	3		26
	Object Oriented Programming I	2	2	31