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## ATALLAH MAHMOUD AL-SHATNAWI

Associate Professor  
Department of Information Systems  
Information Technology Faculty  
Al al-Bayt University  
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Google Scholar:

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

World Scientist and University Rankings 2022:

<https://www.adscientificindex.com/?con=&tit=&q=al+al+bayt+university>

### **Personal Data**

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**Date of Birth** : July, 1983.  
**Nationality** : Jordanian.  
**Marital Status** : Married.  
**Languages** : Arabic (Native), English, Malay.

### **Education**

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- **Ph.D.** in System Science and Management / Computer Science, National University of Malaysia (University Kebangsaan Malaysia (UKM)), 2008-2010.
  - **Thesis Title:** “A Non-Iterative Thinning Method Based on Exploited Vertices of Voronoi Diagrams”.
- **MSc** in Computer Science, University of Sciences Malaysia (University Sains Malaysia (USM)), Malaysia, 2007.
- **BSc** in Computer Science, Yarmouk University, Jordan, 2001-2005.

### **Professional Experience: Academic**

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- 1- **Associate Professor**, Prince Hussein Bin Abdullah College for Information Technology, Department of Information Systems. Al al-Bayt University, Jordan, **Oct 2017- Present**.
- 2- **Assistant Professor**, Prince Hussein Bin Abdullah College for Information Technology, Department of Information Systems. Al al-Bayt University, Jordan, **Sep 2011- Oct 2017**.
- 3- **Assistant Professor**, Faculty of Science and Information Technology, Department of Computer Science, Irbid National University, Jordan, **Oct 2010 to Sep 2011**.

- 4- **Part-time Lecturer**, Kulliyyah of Information and Communication Technology, Department of Computer Science, International Islamic University Malaysia, Malaysia, Semester 1, 2009/2010.

## **Honors and Awards**

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1. One of the **best recognized researchers** at AL al-Bayt University in the World Scientist and University Rankings 2022.  
(<https://www.adscientificindex.com/?con=&tit=&q=al+al+bayt+university>)
2. **The First Prize** for the project entitled "**Easy Way to Build Main Code for Php Website Dependence of Database**" *National Research and Creative Conference for the Undergraduate Students in Jordan (Computer and Information Technologies Track)*, AL al-Bayt University. April 29<sup>th</sup> 2014. Supervised to Anees Hikmat.
3. **The Best Paper Awarded** for the paper entitled "**A Skew Detection and Correction Technique for Arabic Script Text-line based on Subwords Bounding**" *IEEE International Conference on Computational Intelligence and Computing Research 2014 (ICCIC). IEEE*, India, Dec 18-19<sup>th</sup> 2014.
4. **The Second Prize** for the project entitled "**Smart ad (Smart Advertisement)**" in the 8<sup>th</sup> National Technology Parade, (**Business and Social Technologies Track**), the University of Jordan, April 29<sup>th</sup> 2015. With Mohammed Shatara.
5. University Kebangsaan Malaysia Postgraduate Fellowship for the PhD study.

## **Certificates of Appreciation (Community Service)**

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- From Jordanian Society of Cinematic Culture, for my support in the art and theater education and culture. 2014.
- From Sareeh Sports Club, for my effort in supporting the club sport and youth activities. 2015. And for being member of the social and cultural committee of the club.
- A Committee Member of the Al Sareeh Calutrer Forum, 2016 till now.

## **Research Interest**

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- Artificial Intelligence
- Pattern Recognition
- Computer Vision
- Geographic Information System (GIS)
- Modal logic verification and validation
- Data Sciences
- Image Analysis.
- Optical Text Recognition.
- Machine Learning

## **Academic Services and Activities**

- **Assistant Dean**, Deanship of Graduate Studies, Al al-Bayt University, 2019-2020.
- Member of the University Council, Al al-Bayt University (2013-2014).
- Quality Assurance Committee, Prince Hussein Bin Abdullah College for Information Technology, Al al-Bayt University
- Member of the IT College Council, Al al-Bayt University for many years.
- Head of the Graduation Project Coordination Committee for the IT Faculty, Al al-Bayt University (2013-2015 and 2020 to present).
- Head of the Scientific Research Committee for the Information Systems department.
- Member of the Scientific Research Committee for the IT Faculty department.
- Member of the Graduate Studies Committee for the Information Systems department.

## **M.Sc. Thesis Supervisions**

<b>No.</b>	<b>Student Name</b>	<b>Topic</b>	<b>Status</b>
1.	Ahmed Masri	Slant detection and Correction Technique for Arabic Handwritten Text Based on Horizontal Segmentation and Text Structuring	<b>Completed (2016)</b>
2.	Mohammed M. Alsheyab	Arabic Offline Writer Identification Based on a Scale Invariant Feature Transform	<b>Completed (2016)</b>
3.	Mohammed M. Olimat	Arabic Text Classification Based on Improved Chi Square and Support Vector Machine	<b>Completed (2017)</b>
4.	Mohammad I. Nusir	Face recognition using local binary pattern and principal component analysis	<b>Completed (2018)</b>
5.	Mesbah E. ALoun	Offline Arabic Handwritten Word Recognition using Support Vector Machine	<b>Completed (2018)</b>
6.	Hamza S. Al-Smadi	Arabic Handwritten Text Recognition using Genetic Algorithms and Artificial Neural Networks	<b>Completed (2019)</b>
7.	Mo'ath S. Ben Said	Offline Signature Recognition using Stationary Wavelet and Local Binary Pattern	<b>Completed (2019)</b>
8.	Qoutibah A. Al-Assi	Recognition of Holy Quran Tajweed rules using Hidden Markov Model (HMM)	<b>Completed (2019)</b>
9.	Mohammed A. Alolaimat	Offline Handwritten Signature Recognition using Wavelet Packet Decomposition (WPD)	<b>Completed (2020)</b>
10.	Maher A. Alamaireh	Offline Signature Recognition using Discrete Wavelet Transform (DWT) and Support Vector Machines (SVM)	<b>Completed (2020)</b>

11.	Jehan A.Ettebini	Using the Convolution Neural Network and Recurrent Neural Network for detection of Leukemia and determine its kinds	<b>Completed (2021)</b>
12.	Safa'a A Al-Husban	Predicting The Students' Performance In Jordanian Universities Using Machine Learning	<b>Completed (2021)</b>
13.	Hadeel Naamneh	Prediction of COVID-19 Patients Fatality using AI Approaches (Machine and Deep Learning)	<b>Completed (2021)</b>
14.	Ahmad T Al-Khwaldeh	Arabic Text Spam Emails Detection using Deep Learning	<b>Completed (2021)</b>
15	Esra'a Mashaqbeh	Predicting Student Academic Performance using Gradient Boosting Algorithms	<b>In Progress</b>
16	Manahi Nserat	Market Basket Analysis Techniques for Customers Purchases in Jordan	<b>In Progress</b>

### **Thesis Committees (External Examiner)**

- External Member of examination committee, M.Sc. thesis, “Hyper-Personalization to Improve Recruitment and Employment Using Deep Learning Algorithms”, **Jordan University of Science and Technology**, Jordan. (February, 2022).
- External Member of examination committee, M.Sc. thesis, “Macular Edema Detection from OCT images using Machine Learning Classifiers”, **Jordan University of Science and Technology**, Jordan. (January, 2022).
- External Member of examination committee, M.Sc. thesis, “Exploring the Determinants of Self-Service Business Intelligence Adoption in Enterprises: A Topic Modeling-Based Approach”, **Yarmouk University**, Jordan. (January, 2022).
- External Member of examination committee, M.Sc. thesis, “The Impact of Data Analytics on Digital marketing Performance”, **Yarmouk University**, Jordan. (December ,2021).
- External Member of examination committee, M.Sc. thesis, “Internet of Things Analytics Competency and Performance in the Manufacturing Industry: The Mediating Role of Information Processing Capabilities”, **Yarmouk University, Jordan**. (August ,2021).
- External Member of examination committee, M.Sc. thesis, “The Influence of Gamification Analytics on Academic Performance in Online Education: The Mediating Role of Learning Competencies”, **Yarmouk University, Jordan**. (June ,2021).
- External Member of examination committee, M.Sc. thesis, “Factors Affecting Adoption of Cloud Computing in Jordan E-Banking Sector: An Integration of IS Success Model and UTAUT Model”, **Yarmouk University, Jordan**. (June ,2021).

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- External Member of examination committee, M.Sc. thesis, “A Novel Efficient Automated Bug Assignment Approach Using Machine Learning”, **Al-Zaytoonah University of Jordan, Jordan**,2020.
- External Member of examination committee, M.Sc. thesis, “Evolutionary Random Weight Networks for Arabic Web Page Classification”, **University of Jordan**, (2019).
- External Member of examination committee, M.Sc. thesis, “Increasing The Awareness About Cyber-Crime and Hate Speech in Social Media”, **Al-Zaytoonah University of Jordan, Jordan**,2019.
- External Member of examination committee, M.Sc. thesis, “A Machine Learning Approach to Identify Extremism in Arabic Opinions”, **Yarmouk University, Jordan**. (January ,2019).
- External Member of examination committee, M.Sc. thesis, “Term Frequency with Average Term Occurrences Weighting Techniques for Arabic Textual Information Retrieval”, **Yarmouk University, Jordan**. (July ,2018).
- External Member of examination committee, M.Sc. thesis, “Age Prediction for Online Web Filtering using Data mining techniques”, **University of Jordan**, (July ,2018).
- External Member of examination committee, **Computer Sciences (CS)** master thesis, “An IOT Based Approach to Improve Irrigation in Smart Farming”, **Al-Zaytoonah University of Jordan** (June 2018).
- External Member of examination committee, M.Sc. thesis, “A Query Based Approach to Information Extraction in Wireless Sensor Networks using Watershed Algorithm”, **Al-Zaytoonah University of Jordan** (December 2017).
- External Member of examination committee, M.Sc.thesis, “An Intelligent Road Traffic Management System Based on a Dynamic Routing Technique and Human Community Genetic Algorithm (IRTMS)”, **Al-Zaytoonah University of Jordan** (December 2016).

### **International Journals Publications**

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- **Atallah Al-Shatnawi**, Faisal Al-Saqqar, and Alireza Souri. (2021) "Arabic Handwritten Word Recognition Based on Stationary Wavelet Transform Technique using Machine Learning." *ACM Transactions on Asian and Low-Resource Language Information Processing*. 21 (3), pp. 1-21. <https://doi.org/10.1145/3474391>
- **Atallah Al-Shatnawi**, F. Al-Saqqar, M. El-Bashir and M. Nusir. (2021). “ Face Recognition Model based on the Laplacian Pyramid Fusion Technique”, *International Journal of Advances in Soft Computing and its Applications*. 13(1), pp. 27- 46. <http://ijasca.zuj.edu.jo/PapersUploaded/2021.1.2.pdf>
- El-Bashir, Mohammed, **Atallah Al-Shatnawi**, F. Al-Saqqar and M. Nusir, “Face Recognition Model Based on Covariance Intersection Fusion for Interactive devices”, *World of Computer Science and Information Technology Journal (WCSIT)*, Vol. 12, No. 2, 2021. , p 5-12.

- AL-Saqqar, Faisal. **Atallah Al-Shatnawi**, (2020). “Reasoning About Group Social Commitments In Multi-Agent Systems”, *Journal of Ambient Intelligence and Humanized Computing, Springer*, pp. 1–17. <https://doi.org/10.1007/s12652-020-02498-7>
- **Atallah M. AL-Shatnwai** and Mohammad Faris, (2020). “Predicting Customer Retention using XGBoost and Balancing Methods” *International Journal of Advanced Computer Science and Applications(IJACSA)*, 11(7), pp. 704–712. <http://dx.doi.org/10.14569/IJACSA.2020.0110785>
- **Atallah Al-Shatnawi, F. Al-Saqqar and S. Alhusban**. (2020). A Holistic Model for Recognition of Handwritten Arabic Text Based on the Local Binary Pattern Technique. *International Journal of Interactive Mobile Technologies (iJIM)*, 14(16), pp. 20–34. <https://doi.org/10.3991/ijim.v14i16.16005>
- **Atallah Al-Shatnawi**, Faisal Al-Saqqar, and Hamzeh. Al-Smadi, (2020). “A hybrid Feature Selection Approach for Arabic Handwritten Text Based on Genetic Algorithm and Support Vector Machine”, *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*, 9 (1), pp. 813-819.
- AL-Saqqar, Faisal. **Atallah Al-Shatnawi**, Mofleh Al-Diabat and Mesbah Aloun, (2019). “Handwritten Arabic Text Recognition using Principal Component Analysis and Support Vector Machines”, *International Journal of Advanced Computer Science and Applications*, Vol. 10, Issue 12, pp. 1-6, 2019. <http://dx.doi.org/10.14569/IJACSA.2019.0101227>
- **Atallah Al-Shatnawi** and Al-Shatnawi, Hasan (2016), "Effects of Employment of Expert Systems on Decision Making in Tax Assessment", *AL-MANARAH Journal for Research and Studies , Al al-Byte University*. Vol 22 (4/A). P.p 429-449.
- **Atallah Al-Shatnawi**. "A Novel Baseline Estimation Method for Arabic handwritten Text Based on Exploited Components of Voronoi Diagrams" (2016). *The International Arab Journal of Information Technology*. Vol 13 (3). P.p 249-255.
- **Atallah Al-Shatnawi**, El-Bashir. Mohammad, Bani Khalaf. Refaat, and Gazzaz. Nabeel (2016) "Vulnerability Mapping of Groundwater Aquifer Using SINTACS in Wadi Al-Waleh Catchment, Jordan". *Arabian Journal of Geosciences. Springer Publisher*. Vol 9(1). P.p 1-13.
- **Atallah Al-Shatnawi (2015)**. "A Preprocessing Model for Hand-Written Arabic Texts Based on Voronoi Diagrams". *International Journal of Computer Science and Information Technology (IJCSIT)*. Vol 7(6). P.p 1-18. December 2015.
- Al-Fawwaz, Bader., **Atallah Al-Shatnawi** and Alsharafat, Wafa (2015)" Recognizing the Importance of Brand Awareness on E-commerce Sales while Shopping on Internet: Empirical Analysis of European Countries", *International Journal of Interactive Mobile Technologies (iJIM)*. Vol 9(1). P.p 15-18.
- **Atallah Al-Shatnawi.**, Alsharafat, Wafa., Al-Fawaz, Bader and Alshobul, Rabah (2014)" An Integrated Expert System for Mobile Phone Failure Diagnosis", *Journal of Intelligent Computing*. Vol 5(2). P.p 43-51.

- **Atallah Al-Shatnawi** and Omar Khairuddin (2014). "The Thinning Problem in Arabic Text Recognition" A Comprehensive Review". *International Journal of Computer Applications*. Vol 103(3). P.p 35-42.
- **Atallah Al-Shatnawi.**, Khairuddin, Omar and Ahmed M. Zeki (2014). "Comparison of Five Thinning Methods on the Arabic IFN/ENIT Database". *The International Congress for Global Science and Technology*. Vol 14(1). P.p 1-11.
- **Atallah Al-Shatnawi.**, Rabah, Al-Shboul., Al-Fawwaz, Bader., Wafa Al-Sharafat, and Refaat, Bani Khalf. (2014) "Vulnerability Assessment Using Raster Calculation and Drastic Model for The Jordan Valley Subsurface Basin (AB1) Imaging Maps." *Journal of Geographic Information System*. Vol 6(6). P.p 585- 593.
- **AL-Shatnawi, Atallah.**, AL-Salaimeh, Safwan., Farah, AL-Zawaideh and Omar, Khairuddin (2011). "Offline Arabic Text Recognition–An Overview." *World of Computer Science and Information Technology Journal (WCSIT)*. Vol 1(5). P.p 184-192.
- **Atallah Al-Shatnawi** and Omar, Khairuddin (2009). "Skew Detection and Correction Technique for Arabic Document Images Based on Centre of Gravity". *Journal of Computer Science*. Vol 5 (5). P.p 363-368.
- **Atallah Al-Shatnawi** and Omar, Khairuddin (2008). "Methods of Arabic Language Baseline Detection–The State of Art" *International Journal of Computer Science and Network Security (IJCSNS)* . Vol 8(10). P.p 137-143.

## **International Conferences Publications**

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- **Atallah Al-Shatnawi** (2014). "A Skew Detection and Correction Technique for Arabic Script Text-line based on Subwords Bounding". *2014 IEEE International Conference on Computational Intelligence and Computing Research (ICIC)*. IEEE. 18-20 Dec 2014. P. p 1297- 1301. Coimbatore, India.
- **Atallah Al-Shatnawi**; AlFawwaz, Bader; **Khairuddin**, Omar and Ahmed, Zeki (2014). "Skeleton Extraction: Comparison of Five Methods on the Arabic IFN/ENIT Database." *2014 6th International Conference on Computer Science and Information Technology (CSIT)*. IEEE, 2014.
- **Atallah Al-Shatnawi**; Khairuddin, Omar and Ahmed, Zeki (2011). "Challenges in Thinning of Arabic Text." *ICGST International Conference on Artificial Intelligence and Machine Learning (AIML-II)*, Dubai. United Arab Emiratis.
- **Atallah Al-Shatnawi** and Khairuddin Omar (2009). "A Comparative Study Between Methods of Arabic Baseline Detection" *Electrical Engineering and Informatics, 2009. ICEEI'09*. IEEE, 2009. Malaysia.
- **Atallah Al-Shatnawi** and Khairuddin Omar (2009). "Detecting Arabic Handwritten Word Baseline Using Voronoi Diagram." *Electrical Engineering and Informatics, 2009. ICEEI'09*. IEEE, 2009. Malaysia.

## **International Journals and Conferences TPC Committee**

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- I am a member of the following committees:
- Academic Manuscript Central (AMC). The International Congress for Global Science and Technology, ICGST, USA. 2011- Present.
- International Conference on Computer Applications and Aided Diagnosis, 18-19 January, 2015 Sousse Tunisia
- International Conference on Engineering & Computational Innovation Sciences, 20-23 April, 2015 Casablanca, Morocco.
- International Conference on e-Quality & e-Service Sciences. 20-23 April, 2015 Casablanca, Morocco.
- The First International Conference on Information Systems and Applications, 17-18 February 2016, Manama, Kingdom of Bahrain.
- International Conference on Computer Vision and Image Analysis Applications (ICCVIA' 2016 and 2017), Sosa, Tunisia.
- International Conference on Software Networking 2016 (ICSN2016), 23-26 May 2016 in Jeju Island, Korea.
- The 9th Asia-Pacific Power and Energy Engineering Conference (APPEEC 2017), April 15 to 17, 2017 in Chengdu, China.
- Fourth International Conference on Foundations of Computer Science and Technology (CST-2017), February 25 - 26, 2017 in Sydney, Australia.
- Sixth International Conference on Information Technology Convergence and Services (ITCS 2017), February 25 - 26, 2017 in Sydney, Australia.
- Fourth International Conference on Computer Science and Information Technology (CSIT-2017), August 26 - 27, 2017 in Dubai, UAE.
- Third International Conference on Computer Science, Engineering and Applications (CSEA-2017) July 29~30, 2017, Chennai, India.
- Sixth International Conference on Cryptography and Information Security (CRYPIS 2017), June 24 - 25, 2017, in Zurich, Switzerland.
- 3rd International Conference on Computer Science, Information Technology (CSITEC - 2017), September 30 - October 01, 2017 in Dubai, UAE.
- Fourth International Conference on Computer Science and Information Technology (CoSIT-2017), March 25 - 26, 2017 in Geneva, Switzerland.
- The Twelfth International Conference on Digital Telecommunications ICDDT 2017, April 23 - 27, 2017 in Venice, Italy.
- The Thirteenth International Conference on Digital Telecommunications ICDDT 2018, April 22

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- 26, 2018 in Athens, Greece.
- Sixth International Conference on Information Theory (IT 2017), May 27 - 28, 2017, in Vienna, Austria.
- Seventh International Conference on Computer Science, Engineering and Information Technology (CCSEIT 2017) Vienna, Austria, May 27~28, 2017
- Third International Conference on Computer Science, Engineering and Information Technology (CSITY-2017), May 27 - 28, 2017 in Dubai, UAE.
- Third International Conference on Computer Science, Information Technology and Applications (CSITA-2017), October 28 - 29, 2017 in Dubai, UAE.
- Seventh International Conference on Computer Science, Engineering and Applications (CCSEA 2017), January 28-29, 2017 in Dubai, UAE.
- Seventh International Conference on Advances in Computing and Information Technology (ACITY 2017), December 23 - 24 2017 in Sydney, Australia.
- The Fifth International Conference on Computational Science and Engineering (CSE-2017), April 29 -30, 2017 in Dubai, UAE.
- The Fifth International Conference on Computing, Communications and Informatics (ICACCI), September, 21 -24 2016 in Jaipur, India.
- Fourth International Conference on Information Technology, Control, Chaos, Modeling and Applications (ITCCMA-2017), May 27 - 28, 2017 in Dubai, UAE.
- The International Symposium on Intelligent Systems Technologies and Applications (ISTA'17), September 13-16, 2017 in Manipal, India.
- Fourth International Conference on Wireless and Mobile Network (WiMNET 2017), December 23 - 24, 2017 in Sydney, Australia.
- Fifth International Conference of Advanced Computer Science & Information Technology (ACSIT 2017), June 24 - 25, 2017 in Sydney, Australia.
- The 1st International Workshop on Arabic Script Analysis and Recognition (ASAR 2017), April 3-5, 2017 in Nancy, France.
- The 2017 International Conference on Energy Research and Environmental Technology (ERET 2017), October 28-29, 2017 in Changsha, China.
- MICRADS'18 - The 2018 Multidisciplinary International Conference of Research Applied to Defense and Security, April 18 - 20, 2018 in Salinas, Ecuador.
- The Fourth International Symposium on Intelligent Systems Technologies and Applications (ISTA'18), September 19-22, 2018. Bangalore, India.
- 8th International Conference on Computer Science, Engineering and Applications (CCSEA 2018) 17 - 18, February 2018, Melbourne, Australia.

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- The Fourteenth International Conference on Digital Telecommunications ICDT 2019, March 24, 2019 to March 28, 2019 - Valencia, Spain
- IESIST2019: 2nd International e-Symposium on Information Science and Technology 2019, Virtual, Kuala Lumpur, Malaysia, August 30, 2019
- The International Conference on Digital Image & Signal Processing 29-30 April 2019 Oxford University, UK
- The International Conference on Smart Education and Applied Social Sciences (SEAS'20) 25-26 March, 2020, at Wolfson College, Cambridge University, United Kingdom.
- 6th International Conference on Advances in Computer Science and Information Technology (ACSTY-2020), April 25~26, 2020, Copenhagen, Denmark
- The 4th International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence (SMSI 2020) Thimphu Bhutan March 21 - 22, 2020.
- The 12th Asia-Pacific Power and Energy Engineering Conference (APPEEC 2020) April 24 to 26, 2020 in Xi'an, China
- IKIT 2020: International WorkShop on Information and Knowledge in Internet of Things, Universidad Distrital Francisco José de Caldas, Bogotá, Colombia, 5-7, 2020
- 1st Conference on Internet of Things and Embedded Intelligence (CITEI 2020) Yogyakarta, Indonesia, 29-30 July, 2020
- 3rd International Conference on Advanced Technologies for Humanity 26-27 November 2021 Rabat, Morocco
- TBIE-CN 2021 Book: Technologies, business, innovation, and entrepreneurship: New trends and challenges
- ARTIIS 2021: International Conference on Advanced Research in Technologies, Information, Innovation and Sustainability, Salinas, Ecuador, November 25-27, 2021
- IKIT 2021 book: Information and Knowledge in Internet of Things
- The Twelfth International Conference on Information and Communication Systems, Valencia, Spain, May 24-26, 2021
- IKIT 2022: International Workshop on Information and Knowledge in the Internet of Things, University of Malaga, Malaga, Spain, July 4-7, 2022
- International Conference on Advanced Research in Technologies, Information, Innovation and Sustainability, September 12-14 Santiago de Compostela, Spain, 2022
- The 2022 International Conference on Foundations of Computer Science and Information Technology (FCSIT 2022) Hohhot, China from March 12 to 13, 2022.
- The 2022 IEEE International Conference On Industry 4.0, Artificial Intelligence, And Communications Technology, July 28-30, 2022 Bali Indonesia

## **Academic Reviewer**

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- I have acted as a reviewer for the following international journals:
  - Pattern Recognition Letters- Elsevier.
  - The Arabian Journal for Science and Engineering (AJSE B-Engineering).
  - Karbala International Journal of Modern Science – Elsevier.
  - International Journal of Computing and Digital Systems
  - TELKOMNIKA Telecommunication Computing Electronics and Control
  - International Journal of Artificial Intelligence

## **Certificates**

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- The 2021 IEEE 5<sup>th</sup> Symposium on Future Telecommunication Technologies (SOFTT), **As Technical Program Committee Member**, Bandung, Indonesia, December 6-7, 2021.
- 2021 International Conference on Computer Science, Information Technology and Electrical Engineering **As Reviewer**, Banyuwangi– Indonesia (October 27<sup>th</sup> – 28<sup>th</sup> 2021)
- The 8th National Technology Parade **As Referee**, the University of Jordan, Jordan, April 29th 2015.
- The 2013 Jordanian Collegiate Programming Contest **As COACH** for Two Teams, Applied Science Private University, Jordan, (November 16<sup>th</sup> 2013).
- The UKM Robot Soccer Programming Contest **As JURY**, Pattern Recognition Research Group, University Kebangsaan Malaysia (UKM), Malaysia, (March 2<sup>ed</sup> 2010).
- Intensive English Program, Dynamic Language Center, Penang, Malaysia, (2006).
- International Computer Driving License (ICDL), Yarmouk University Jordan, (2005).

## **Workshops, Seminars and Meetings**

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- Workshop on “**Preparation of the Jordanian Artificial Intelligence Ethics**”, Ministry of Digital Economy & Entrepreneurship, Amman, Jordan (13/9/2021).
- E-Learning via the Internet using Moodle. Quality and Development Center, Al al-Bayt University, Jordan.
- Internet and means of communication and distance education Online Teaching. Quality and Development Center, Al al-Bayt University, Jordan.
- Developing synchronous and asynchronous e-learning skills and its applications in supporting the learning process. Quality and Development Center, Al al-Bayt University, Jordan.
- Defining the symmetry between the forms, models and components of the complete e-distance learning, and between the forms, models and components of the blended learning. Quality and Development Center, Al al-Bayt University, Jordan.

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- Ethics of university education. Quality and Development Center, Al al-Bayt University, Jordan.
- University laws, regulations, and instructions. Quality and Development Center, Al al-Bayt University, Jordan.
- Management of the university position. Quality and Development Center, Al al-Bayt University, Jordan.
- Preparing achievement tests and analyzing their results. Quality and Development Center, Al al-Bayt University, Jordan.
- Effective university teaching methods. Quality and Development Center, Al al-Bayt University, Jordan.
- The 8<sup>th</sup> National Technology Parade, **the University of Jordan**, Jordan, April 29<sup>th</sup> 2015.
- ***2014 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), IEEE. As PRESENTER***, (18-20 Dec 2014). Coimbatore, India.
- Workshop on "**Professional Development for the University Lecturer**", Development and Quality Assurance Center, Irbid National University, Jordan, (December 6-20<sup>th</sup> 2010).
- A Seminar entailed "**A- Non-iterative Thinning Method Based on Exploited Vertices of Voronoi Diagrams**" **As a Speaker**, Center for Artificial Intelligence Technology (CAIT), University Kebangsaan Malaysia (UKM), Malaysia (October 7<sup>th</sup> 2010).
- Workshop on "**ENDNOTE**", Center for Artificial Intelligence Technology (CAIT), University Kebangsaan Malaysia (UKM), Malaysia (September 23<sup>rd</sup> 2010).
- International Conference on Electrical Engineering and Informatics 2009 (ICEEI 09) (IEEE)" **As PRESENTER**, University Kebangsaan Malaysia (UKM), Malaysia. (5<sup>th</sup> to 7<sup>th</sup> August 2009).
- Workshop on "**Advanced Image Feature Extraction, Selection and Recognition**", Faculty of Engineering and Built Environment, University Kebangsaan Malaysia (UKM), Malaysia (7and 8 August 2008).

## **Courses Taught**

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- ✓ **I have had supervised more than (50) maser of ICT graduation projects**
- ✓ **Graduate Courses:**
  - Advanced Multimedia Applications
  - Advanced Image Processing.
  - Development of Computer Applications.
  - Design of Computerized Curriculum.
  - Graphical Design for Computerized Visual Instructional Media.
- ✓ **Undergraduate Courses**
  - Algorithm Analysis and Design.
  - Introduction to Programming (C++).
  - Expert Systems.
  - Object-Oriented Programming.
  - Computer Logic Design.
  - Decision Support Systems.
  - Software Engineering.
  - Computer Skills 1 and 2.
  - Multimedia Applications.
  - Network Management.
  - Computerized Accounting Information Systems
  - Applied Numerical Methods.
  - Organization of Computer System.
  - Fundamentals of Intelligent Systems.
  - Systems Analysis and Design.
  - Fundamental of Information Technology.
  - Operation Research.
  - Special Topics in Multimedia.
  - Webpage Design.
  - E-Marketing.
  - Data Mining and Data Warehousing
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## **References**

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- References available upon request.