

## CURRICULUM VITAE

### **Khulood Mohammad Jamil Abu Maria**

*Associate Professor/ Department of Artificial Intelligence  
/Faculty of Science and Information Technology,  
Al-Zaytoonah University of Jordan, Amman, Jordan  
Phone: +962795849984  
E-mail: khulood@zuj.edu.j*



#### **1. Personal Data**

Date of Birth: Mar. 30.1971  
Nationality: Jordanian

#### **2. Education**

- **Ph.D.** (Computer Information Systems/AI) 2009, The Arab Academy for Management , Banking and Financial Science, Amman, Jordan
- **M.Sc.** (Information Technology) 2003, Al Neelain University, Amman, Jordan
- **B.Sc.** (Computer Science) 1992, Mu'tah University, Amman, Jordan

#### **3. Ph.D. Dissertation**

- “*Agent-Based Emotional Intelligent Model with Applications*”, The Arab Academy for Management , Banking and Financial Science, Amman, Jordan.

#### **4. Employment**

##### **Academic Positions**

- Associate Professor, Department Artificial Intelligence, Al-Zaytoonah University of Jordan, Amman, Jordan.  
2022 – Present.
- Associate Professor, Department of Computer Information Systems, Al-Zaytoonah University of Jordan, Amman, Jordan.  
2019 –2022.
- Assistant Professor, Department of Computer Information Systems, Al-



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Zaytoonah University of Jordan, Amman, Jordan.  
2009 – 2022.

- Al-Isra University Part-time- Assistant Prof. of Management Information System, Amman, Jordan, 2008 – 2009.

### Administrative Positions

- Vice Dean, Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – 2020-2023.
- Head of Computer Information Systems Department , Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – 2019-2020

### 5. Research Interests

- Artificial Intelligent, Intelligent Agents , Agent Based Applications , Intelligent Emotions modeling , Natural Language Processing (Text Summarization), Chatbots, Information Systems, Software Engineering, Information Security, Steganography, E-planning and manufacturing, Simulation and Modeling, and Enterprise Resource Planning.

### 9. Teaching Experience

- **Graduate Courses**

- Research Seminar for Master

- **Undergraduate Courses**

- Information Technology
- Information Systems
- Decision Support System
- Strategic Management Information System
- Business Information Systems
- Enterprise Resource Planning
- E-Applications
- Computer Applications for Management
- System Analysis and Design
- Object Oriented Analysis and Design (UML)
- Software Specifications and Design
- Project Management
- Simulation and Modeling (Using Arena)
- Computer Skills (Win XP and Office XP)
- Packages
- Enterprise Resource Planning System (ERP)
- Data Analytics and BI (Using Microsoft Power BI)



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- Principles of Artificial Intelligence
- Natural Language Processing (NLP)
- Project Construction Methodology
- Graduate Project
- Training

### 10. Supervision of Graduate Research

- Co-Supervisor for Master student, " An Improved Video Steganographic System Based on Exact Matching Algorithm and Random Key -Dependent Data Technique", Al-Zaytoonah University of Jordan, Jordan, 2016.
- Co-Supervisor for Master student, Arabic Multi-Document Summarization Model Using Clustering and Features Extraction Based on Parallel Techniques ", Al-Zaytoonah University of Jordan, Jordan, 2017.

### 11. Grants

- Al-Zaytoonah University of Jordan, Scientific Research Project - 9400 JD "Al-Zaytoonah University Inquiry Smart Chat Bot System"
- Al-Zaytoonah University of Jordan, Scientific Research Project - 16348 JD "Enhancing the teaching Process in the AI Department Using the IoT and Robotics Tools"

### 12. Membership of Committees

- **University**
  - Committee of Study Plan and Educational Resources
  - Committee of Examinations and Evaluation
  - Committee of Guidance, Equation, Training, and Follow-up of Graduates
  - Committee of Quality Assurance
  - Committee of Scientific Research
  - Member of the Following Up of Kaffaa Exam Committee
  - Marketing Committee of the CIS Department
  - Quality Studies Audit and Evaluation Committee
  - Committee for Opening Grievance and Suggestions in the College
  - Committee for International Accreditations
  - Committee of the University Website
  - Committee of Computing
  - CIS Department Representative in the College Council
  - College Representative in the University Council
  - Member of the e-Learning Council and its Resources



### 13. Professional and Scientific Meetings

#### *Scientific Meetings Organized*

- **Colloquium Chair:** the 1<sup>st</sup> Information Technology Colloquium 2010-ITC'10, Faculty of Science and IT, Al Zaytoonah Uni. of Jordan- 20<sup>th</sup> April 2010.
- **Colloquium Chair:** the 2<sup>nd</sup> Information Technology Colloquium 2012-ITC'12, Faculty of Science and IT, Al Zaytoonah Uni. of Jordan- 17<sup>th</sup> April 2012.
- **Colloquium Chair:** the 3<sup>rd</sup> Information Technology Colloquium 2014 - ITC'14, Faculty of Science and IT, Al Zaytoonah Uni. of Jordan- will be on 6th May 2014.
- **Publicity Committee:** The 8<sup>th</sup> International Conference on Information Technology - ICIT'2017 – Al Zaytoonah University – Jordan, May 2017.
- **Track Chair:** 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), Jordan, April 2019.
- **Co-Chair:** The 10<sup>th</sup> International Conference on Information Technology - ICIT 2021– Al Zaytoonah University – Jordan, July 2021.
- **Co-Chair:** The 11<sup>th</sup> International Conference on Information Technology - ICIT 2021– Al Zaytoonah University – Jordan, July 2023.

#### *Participation in Scientific meetings*

- Participate in the 9<sup>th</sup> International Conference on Information Technology, ICIT 2019, Data Science, AL-Zaytoonah University of Jordan, Amman – Jordan, April 2019.
- Participate in the 8<sup>th</sup> International Conference on Information Technology, ICIT 2017, AL-Zaytoonah University of Jordan, Amman – Jordan, May 2017.
- Participate in the 10<sup>th</sup> International Conference on Information Technology, ICIT 2021, AL-Zaytoonah University of Jordan, Amman – Jordan, July 2021.

### 14. Publications

#### *Papers Presented at International Conferences:*

- Sana'a J.Khalaf and **Khulood Abu Maria**, "An Empirical Study of XP: the case of Jordan," Information and Multimedia Technology, 2009. ICIMT '09, Jeju Island, South Korea, December 18 - 19, 2009.
- Mossab N. Ibrahim, **Khulood Abu Maria**, and Khalid Mohammad Jaber, "A Comparative Study for Arabic Multi-Document Summarization Systems



(AMD-SS)," 2017. The 8th International Conference on Information Technology (ICIT), May 17-18, 2017.

- M. A. Alia, **Khulood A. Maria**, M. A. Alsarayreh, E. A. Maria and S. Almanasra, "An Improved Video Steganography: Using Random Key-Dependent," 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), Amman, Jordan, 2019, pp. 234-237.
- Nagham A Al-Madi, **Khulood Abu Maria**, Mohammad Azmi Al-Madi, Mohammad Ahmad Alia, Eman Abu Maria,"An Intelligent Arabic Chatbot System Proposed Framework", 2021 International Conference on Information Technology (ICIT), 592-597.
- Nagham A Al-Madi , Mohammad Azmi Al-Madi, Wael Alzyadat, **Khulood Abu Maria**, Ahmed Al Khateeb, Fanan Al-Madi," An Overview of the SElectromagnetic HoverBoard", ICIT2023, August, 2023.

#### Papers Presented at International Journals:

- **Khulood Abu Maria** and Raed Abu Zatir, "Emotional Agents: A Model and an Application," International Journal of Information and Software Technology, an Elsevier Publishing Journal, Volume 49, Issue 06, 2007.
- **Khulood Abu Maria** and Raed Abu Zatir, Chapter XV: "Emotional Agent Modeling (EMAM)," in a book published by IGI Inc.: "Simulation and Modeling: Current Technologies and Applications," 2007.
- **Khulood Abu Maria** and Raed Abu Zatir, Chapter 6: "Modeling of Artificial Emotions and its Application Towards a Healthy Environment," in a book published by Traylor & Francis: "Environmental Management, Sustainable Development, and Human Health," 2008, Editor was Mattheus (Theo) Goosen, NYIT University.
- Mohammad A. Alia, Adnan A. Hnaif, Hayam K. Al-Anie, **Khulood Abu Maria**, Ahmed M. Manasrah, M. Imran Sarwar, "A Novel Header Matching Algorithm for Intrusion Detection Systems," International Journal of Network Security & Its Applications (IJNSA), Volume 03, Number 04, 2011.
- Abdallah A. Hlayel, **Khulood Abu Maria**, "A New Modified Approach Using Best Candidates Method for Solving Linear Assignment Problems," International Journal of Engineering Science and Technology (IJEST), Volume 5 Number 05, p1137, 2013.
- Maher A. Alsarayreh, Mohammed A. Alia, and **Khulood Abu Maria**, "A Novel Image Steganographic System Based on Exact Matching Algorithm and Key-Dependent Data Technique," Journal of Theoretical and Applied Information Technology, Volume 95, Number 05, 2017.
- **Khulood Abu Maria**, Nagham A. A. , Tarek Kanan and Eman Abu Maria, "Using Cognitive Agent in Manufacturing Systems," Journal of Theoretical and Applied Information Technology, Volume 95, Number 10, 2017.



- **Khulood Abu Maria**, Khalid Mohammad Jaber, and Mossab Nabil Ibrahim, “*A New Model For Arabic Multi-Document Text Summarization*,” International Journal of Innovative Computing, Information, and Control (IJICIC), Volume 14, Number 4, 2018.
- Nagham A. AL-Madi, **Kholoud A. Abu Maria**, Eman A. Abu Maria and Mohammad A. AL-Madi, “*A Structured-Population Human Community Based Genetic Algorithm (HCBGA) in a comparison with both the Simple Genetic Algorithm (SGA) and the Cellular Genetic Algorithm (CGA)*”, ICIC Express Letters, Volume 12, Number 12, 2018.
- Eman Abu Maria, **Khulood Abu Maria**, and Mohammad Ahmad Alia, “*Smart Agents in the Business Information System*,” ICIC Express Letters, Volume 13, Number 10, 2019.
- **Khulood Abu Maria**, Mohammad A. Alia, Maher A. Alsarayreh, Eman Abu Maria, “*UN-Substituted Video Steganography*”, KSII Transactions on Internet and Information Systems, Volume 14, Issue 1, January, 2020.
- Tarek Kanan , Bilal Hawashin, Shadi Alzubi, Eyad Almaita, Ahmad Alkhatib, **Khulood Abu Maria**, Mohammed Elbes, “*Improving Arabic Text Classification Using P-Stemmer*”, Recent Advances in Computer Science and Communications, Volume 13, September, 2020.
- Ahmad Alkatib, **Khulood Abu Maria**, Shadi AlZu’bi, Eman Abu Maria, “*Novel System for Road Traffic Optimisation in Large Cities*”, IET Smart Cities, Volume 4, June, 2022.
- Ahmad Alkatib, **Khulood Abu Maria**, Shadi AlZu’bi, “*Smart Traffic Scheduling for Crowded Cities Road Networks*”, Egyptian Informatics Journal, Volume 23, Issue 4, December 2022, Pages 163-176.
- Tarek Kanan, Mohammed Elbes , **Khulood Abu Maria**, Mohammad Alia, “*Exploring the Potential of IoT-Based Learning Environments in Education*”, International Journal of Advances in Soft Computing & Its Applications, Volume 15, Issue 2, July, 2023.