Date 10-3-2023

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| **Manar Abduljabbar Ahmad Mizher** |

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| **Personal information** | | | | | |
|  | Title: Faculty Member | | | | |
|  | Academic Rank: Assistant Professor | | | | |
|  | Date & Place of Birth: 29-10 Kuwait | | | | |
|  | Nationality: Jordanian | | | | |
|  | Address: Amman- Al Jubaiha | | | | |
|  | Phone No.: 0789115778 | | | | |
|  | e-mail:mmizher@aau.edu.jo, manar\_mizher@yahoo.com | | | | |
| **Academic qualifications** | | | | | | |
| Degree | | | Major | Duration  (From-To) | University | Country |
| Doctor of Philosophy  (Ph.D.) | | | Computer Science  (Visual Informatics and its Security) | 31-8-2013/17-4-2019 | University Kebangsaan Malaysia (UKM) | Malaysia |
| Master of Science (MSc) | | | Computer Science (CS) | 31-8-2006/31-1-2010 | The university of Jordan | Jordan |
| Bachelor of Science  (BSc) | | | Computer Science (CS) | 31-8-2003/27-5-2005 | Al-Zaytoonah University Of Jordan | Jordan |
| Diploma | | | Information Technology (IT) | 31-8-2001/2003 | Al-Zarqa University College | Jordan |
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| **Teaching experience** | | | | |
| Duration | Rank | Institution | Department/Faculty | Country |
| 1-9-2022-Present | Assistant Professor | Amman Arab University | Cyber Security/Faculty of Computer Sciences and Informatics | Jordan |
| 1-10-2019- 31-8-2022 | Assistant Professor | Amman Arab University | Mobile Computing/Faculty of Computer Sciences and Informatics | Jordan |
| 14-11-2018- 28-2-2019 | Research Assistant (RA) | Qatar University | Research & Graduate Studies College of Engineering / Kindi Center | Qatar |
| 28-11-2006-16-2-2013 | Information Technology Teacher | The United Nations Relief Works Agency | UNRWA schools | Jordan |
| 8-9-2005-20-11-2006 | Information Technology Lecturer and Lab Supervisor | Qortoba College | College of Education and College of Business Administration | Jordan |

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| **Other experience** | | | | | | | |
| Duration | Rank | Institution | | Department/Faculty | | Country | |
| Reviewer | PLOS ONE Journal articles related to deep learning and video processing | | | | | | |
| Master thesis internal examiner | Assistant Professor | | Amman Arab University | | Computer Science/ Master | | Jordan |

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| **Publications** | | | | |
| **Journals** |  |  | | |
| Author/s  (In Order) | Title | Journal | Vol./No. | Publication Date |
| Salah Mosa I., Mazhar Ahmad A., **Mizher Manar A.** | Optimization of Video Cloud Gaming Using Fast HEVC Video Compression Technique | International Journal of Advances in Soft Computing and its Applications | Vol. 13, Issue 3, Pages 249-265 | 2021 |
| AHMAD A. MAZHAR, **MANAR A. MIZHER** | Efficient video Encoding Acceleration for cloud gaming | Journal of Theoretical and Applied Information Technology | 30th September 2020. Vol.98. No 18, p.p 3756-3766 | 2020 |
| Manal A Mizher, Riza Sulaiman, Ayman M Abdalla, **Manar A Mizher** | improved simple flexible cryptosystem for 3D objects with texture maps and 2D images | Journal of Information Security and Applications | Vol 47, 390-409, doi: https://doi.org/10.1016/j.jisa.2019.06.005 | 2019 |
| Manal A. Mizher, Riza Sulaiman, Ayman M Abdalla, **Manar A. Mizher** | A simple flexible cryptosystem for meshed 3D objects and images | Journal of King Saud University - Computer and Information Sciences | doi: https://doi.org/10.1016/j.jksuci.2019.03.008 | 2019 |
| **Manar Abduljabbar Ahmad Mizher**, Ang Mei Choo, Siti Norul Huda Sheikh Abdullah, Kok Weng Ng | An Improved Action Key Frames Extraction Algorithm for Complex Colour Video Shot Summarization | Journal of Information and Communication Technology (JICT) | Vol.18, issue 2, pp. (143-166) | 2019 |
| Manar A. Mizher, Mei Choo Ang, Ahmad A. Mazhar | A meaningful Compact Key Frames Extraction in Complex Video Shots | Indonesian Journal of Electrical Engineering and Computer Science | Vol.7, No.3, pp.(828-839) | 2017 |
| **Manar A. Mizher**, Mei Choo Ang, Ahmad A Mazhar, Manal A. Mizher | A review of video falsifying techniques and video forgery detection techniques | International Journal of Electronic security and digital forensics | Vol.9, No.3, (2017), pp.(191-209) | 2017 |
| **Manar A. Mizher**, SALEH H AL-SHARAEH, MEI CHOO ANG, AYMAN M ABDALLA, MANAL A. MIZHER | Centroid Dynamic Sink Location for Clustered Wireless Mobile Sensor Networks | Journal of Theoretical and Applied Information Technology | Vol.73 No.3, pp.(481-491). | 2015 |
| MANAL A. MIZHER, SALEH H AL-SHARAEH, RIZA SULAIMAN, **MANAR A MIZHER** | Bandwidth Provisioning Scheme for 3D Wireless Sensor Networks | Journal of Theoretical and Applied Information Technology | Vol.75. No.1, pp.(25-35) | 2015 |

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| **Conferences** |  | | | |
| Author/s  (In Order) | Title | Conference | Country | Date |
| **Manar Mizher**, Rami Sihwail, Mohammed Bany Baker, Ahmad Mazhar, Manal Mizher and Dyala Ibrahim | A Review of Cybersecurity for Internet-of-Things Based Next Generation Healthcare Networks | International Computer Sciences and Informatics Conference (ICSIC-2022) | Amman-Jordan | 28-29 June- 2022 |
| **Mohammed Bani Baker**, Rami Sihwail and Manar Mizher | Integrating Cyber security Factors with TAM Framework for Implementation in the Jordanian Banks | International Computer Sciences and Informatics Conference (ICSIC-2022) | Amman-Jordan | 28-29 June- 2022 |
| **MANAR A. MIZHER**, AHMAD A. MAZHAR, MANAL A. MIZHER | A review of Mobile Cloud Computing in Education during the Covid-19 Pandemic in Jordan | The International Conference on Computer, Control, Informatics and its Applications (IC3INA 2021) | Indonesia | 5-7 October-2021 |
| **Manar Abduljabbar Mizher**, Mei Choo Ang, Siti Norul Huda Sheikh Abdullah, Kok Weng Ng, Ahmad A Mazhar, Manal Abd-Aljabbar Mizher | Passive Object-based Video Authentication Using Stereo Statistical Descriptor on Wavelet Decomposition | 2021 International Conference on Information Technology (ICIT) | Amman-Jordan | 14-15 July 2021 |
| Manar Abduljabbar Ahmad Mizher, Mei Choo Ang, Siti Norul Huda Sheikh Abdullah, Kok Weng Ng | Action Key Frames Extraction Using L1-Norm and Accumulative Optical Flow for Compact Video Shot Summarisation | Advances in Visual Informatics. IVIC’17 | Malaysia | 2017 |
| MA Mizher, Mei Choo Ang | Hybrid Video Moving Objects Detection System | The Second Visual Informatics International Seminar 2014 (VIIS’14) | Malaysia | 2014 |

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| **Books** |  |  |  |  |
| Author/s  (In Order) | Title | Publisher | Edition | Date |
| |  | | --- | | **Memberships OF Scientific and professional societies** | |  | | **university Committees** | | Amman Arab University - 2019/2023:   * Member of the University Council. * Head/ Member of several committees at the university and college levels. * Organizer of many competitions at the university and college level:   1. The university's annual competition for educational films.  2. Thesis competition in five minutes for postgraduate studies  3. Website design and development competition. | | | | | |

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| **Workshops Attended** |
| Attended several specialized development workshops, such as:   * Questionnaire design on Google * Robotic programming * EON-XR educator * Summer camp for cyber security skills |
| **Workshops Offered** |
| Lecturer / Digital Forensic Evidence - Amman Arab University.  Lecturer / Educational videos Design - Amman Arab University.  Lecturer / Digital Marketing Journalism - Amman Arab University.  Lecturer / writing a professional CV - Amman Arab University.  Lecturer / The relationship between OOP & DS - Amman Arab University.  Lecturer / Designing virtual and augmented reality lessons on the EON-XR platform - Amman Arab University.  Lecturer / Cyber Security - Knowledge Generations Academy and Schools  Participant / academic development plan workshops - Amman Arab University. |

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| **Research interests** |
| 1. Digital Forensics 2. Video Authentication and summarization 3. Deep Learning 4. Cryptography Systems 5. Video summarization 6. Machine Learning 7. Encoding systems for visual information 8. Virtual environments (Metaverse) and their security 9. Secure protocols 10. Artificial intelligence and machine learning |
| **Languages** |
| Arabic (Native)  English (Excellent) |

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| **Other Community activities** |
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| **Awards received** |
| * Gain a fund for a scientific cyber security research project from the Scientific Research and Innovation Support Fund (ICT/1/9/2022) * Young writer merit award: 5th International Visual Informatics Conference (IVIc’17), November 2017 Putrajaya, Malaysia |

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| **Graduate Students Supervision** | |
| Student Name | Thesis Title |
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| **References** | |
| |  |  |  |  | | --- | --- | --- | --- | | Name | Job Position | University | Contact information | | 1. Dr. Husam A. Al Hamad | Assistant President for Planning and Quality Assurance  Dean, Faculty of Computer Sciences and Informatics | Amman Arab University | Tel. : +962 6 4791400 Ext. 250 | | 1. Dr. Ahmad M. Khasawneh | Head of SE, MC, and CYS Departments | Amman Arab University | Tel. : +962 6 4791400 Ext. 110 | | 1. Prof. Abdelfatah Aref Tamimi | Dean of Faculty of Science and Information Technology | [Al-Zaytoonah University of Jordan](https://scholar.google.com/citations?view_op=view_org&hl=en&org=14932239072504527467) | drtamimi@zuj.edu.jo  (+962-6-4291511 ext. 391) | | 1. Asso. Prof. Ayman Abdalla | Associate Professor of Computer Science | [Al-Zaytoonah University of Jordan](https://scholar.google.com/citations?view_op=view_org&hl=en&org=14932239072504527467) | [ayman@zuj.edu.jo](mailto:ayman@zuj.edu.jo)  (+962-6-4291511) | | 1. Dr Ang Mei Choo | Postgraduate Program Coordinator & Research Fellow | Universiti Kebangsaan Malaysia | amc@ukm.edu.my  Telephone (DL):   +603 8921 6071 Telephone (General):   +603 8921 6080 | | 1. Asso. Prof. Siti Norul Huda Sheikh Abdullah | Associate Professor of Digital Forensics | Universiti Kebangsaan Malaysia | [snhsabdullah@ukm.edu.my](mailto:snhsabdullah@ukm.edu.my)  (+60 19-237 7984) | | |