

Ahmad Abdel Jabbar Ahmad Mazhar

Associate Professor in Multimedia

Education

University **De Montfort University – England - United Kingdom**
Major **PhD. in Multimedia Systems**
Period **2008 – 2013**

Institute **Algonquin College - Canada**
Major **Post-Graduate Certificate. Interactive Media Management**
Grade **Excellent. 3.84/4**
Period **2019 - 2020**

University **Al-Balqa Applied University - Jordan**
Major **M.Sc. Computer Science**
Grade **Very Good B+**
Period **2004 – 2007**

University **Al-Zaytoonah University - Jordan**
Major **B.Sc. Computer Science**
Grade **Very Good – 80.2**
Period **2001 – 2004**

Academic Experience

Period	Place	Job Title
1/09/2022 - Now	University of Sharjah	Assistant Professor – College of Communication-Digital Media Design.
3/1/2021 – 31/08/2022	School of Creative Media- LTUC-SAE Institute Amman	Associate Professor in Multimedia, Dept. of Media Production
3/10/2020 – 30/01/2021	Al-Zaytoonah University Jordan	Adjunct Associate Professor Department of Multimedia Technology
12/8/2018 – 10/08/2019	Higher Colleges of Technology UAE	Assistant Professor Computer Information Systems Division of Multimedia <i>Promoted to Associate in 2/2019</i>
1/9/2015 –	Saudi Electronic	Assistant Professor

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8/8/2018	University-KSA	Department of Computer Science
1/9/2013 – 31/8/2015	Al-Zaytoonah University Jordan	Assistant Professor Department of Multimedia Systems
1/3/2008 – 31/8/2009	Al-Zaytoonah University Jordan	Computer Instructor Department of Computer Science
1/9/2004– 28/2/2008	Al-Zaytoonah University Jordan	Teaching Assistant Department of Computer Science

Research Activities

PhD. Thesis	Efficient Compression of Synthetic Video - 2013.
Master Thesis	Enhancing the Performance of Multicast Ad Hoc On-Demand Distance Vector Protocol – 2006.
Journal Papers	<p>A Framework for Saudi Uniform Gait Recognition Based on Kinect Skeletal Tracking. <i>International Arab Journal of Information Technology</i>, Vol. 21, Issue 2, 271-279, 2024.</p> <p>Deep Convolutional Neural Network For Robust Detection Of Object-Based Forgeries In Advanced Video. <i>IEEE Access</i>, Vol.12, 2024.</p> <p>Enhancing IOT based software defect prediction in analytical data management using war strategy optimization and Kernel ELM. <i>Wireless Networks</i>, Springer, 2023</p> <p>Enhancing Cloud Gaming Performance through Game Object-aware Encoding and Macroblock Classification. <i>Journal of Information Hiding and Multimedia Signal Processing</i> 2023.</p> <p>Using Virtual Tours as a University Campus Guide: Al-Zaytoonah University Case Study. <i>Accepted in Information Sciences Letters</i> 2023.</p> <p>Optimization of Video Cloud Gaming Using Fast HEVC Video Compression Technique. <i>International Journal of Advances in Soft Computing and its Application</i>, 13, 3(2021), 248-264.</p> <p>Passive Object-based Video Authentication Using Stereo Statistical Descriptor on Wavelet Decomposition. <i>IEEE Xplore</i> 2021.</p> <p>EFFICIENT VIDEO ENCODING ACCELERATION FOR CLOUD GAMING.</p>

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Journal of Theoretical and Applied Information Technology (JATIT). Vol. 98. number 18. 30/9/2020.

Low-Complexity HEVC Intra-Mode Decision Using Modes Reduction.

Journal of Theoretical and Applied Information Technology (JATIT). Vol. 96. number 2. 31/1/2018.

Trade-Off of Frame-Rate and Resolution in Online Game Streaming.

Journal of Computer Science. Vol. 13, issue 8. 2017

A Meaningful Compact Key Frames Extraction Algorithm in Complex Video Shots.

Indonesian journal of electrical engineering and computer science. Vol. 7, number 3. 2017

A Review of Video Falsifying Techniques and Video Forgery Detection Techniques.

International Journal of Electronic Security and Digital Forensics. Vol. 9, number 3. 2017

Efficient cloud gaming scheme using scene objects adaptation.

International Journal of Computer Science & Information Technology (IJCSIT). Vol. 9, number 2. 2017

An Efficient Fast HEVC Encoding Technique. Journal of Theoretical and Applied Information Technology (JATIT) Vol. 90. number 2. August 2016.

Performance Evaluation Of H.265/MPEG-HEVC, VP9 And H.264/MPEG-AVC Video Coding.

The International Journal of Multimedia and Its Applications (IJMA) Vol.8, number 1. February 2016.

Joint Reference Frame Inter-Mode Selection for Fast H.264 Video Coding.

Springer. Signal, Image and Video Processing. Volume 9, Issue 4. May 2015.

Comparative Study of Compression Techniques for Synthetic Videos.

The International Journal of Multimedia and Its Applications (IJMA) Vol.6, number 2, April 2014.

A Proposed Approach for Enhancing the Multicast Ad-Hoc on-Demand Distance Vector Protocol (MAODV).

Egyptian Computer Science Journal (ECS 2007)

Conference Papers

Systematic Review of the Use of Virtual Reality in Education. The 11th International Conference on Information Technology, ICIT2023

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Three-Dimensional Objects Encryption Algorithms: A Review. The 11th International Conference on Information Technology, ICIT2023

A Review of Mobile Cloud Computing in Education During the Covid-19 Pandemic in Jordan. IC3INA2021, The 2021 International Conference on Computer, Control, Informatics and its Applications.

Passive Object-based Video Authentication Using Stereo Statistical Descriptor on Wavelet Decomposition. ICIT2021, Amman, Jordan.

Intelligent Approach to Improve the Multitasking AD-HOC On Demand Distance Vector Protocol (MAODV) World International Conference on Education (WICE-2010)

Other Activities Technical Committee Member, The 16th International Conference on Education Technology and Computers ICETC 2024. September 18-21/2024, Porto, Portugal.

Funded Project – Al-Zaytoonah University of Jordan – Jordan. Archiving and Documenting Internal Streets, Courtyards, and Passages on the International Aeronautical Maps System (A Case Study: Al-Zaytoonah University of Jordan), 4/2024 – 4/2025, (16365 JOD).

Chancellor's Teaching Excellence and Innovation Grant. University of Sharjah 2023

Funded Project – Ministry of Higher Education – Jordan. A flexible crypto-system for digital assets in the Metaverse virtual environment. 2023

Funded Project – Al-Zaytoonah University of Jordan – Jordan. The Effect of using AR, VR Technologies in Education and Marketing, Al-Zaytoonah University as Case Study, 1/2021 – 1/2023, (40499 JOD).

Invited Speaker. Refereed abstract. 2nd Global Summit and Expo on Multimedia and Applications. London, UK. 2016.

IEEE member.

Member, International computer science and engineering society (ICSSES)

Member, Technical Program Committee of the Multimedia Communication Systems and Networks Conference (MCSN)

Spoken Languages

Arabic

Native Language

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English **Very Good**

Programming Skills		
Oracle	C++ and C#	Java/Java Script/ jQuery
PHP	HTML/XML	VB.NET/ASP.NET
SQL	AJAX	CSS/DOM
Computer Skills and Teaching Experience		
Windows, Linux and Mac OS	Audio Editing Software: Sound Forge, Adobe Audition and Cool Edit	2D animation design: Toon Boom Animate/ Adobe Animate cc/Adobe Character Animator
Maya, 3Ds Max, and Blender	Word Press/Bootstrap	Game Design and Development/Unity 3D/Unreal Engine
Storyboarding/ Scripting/Info. And Motion Graphics	Virtual Reality and Augmented Reality	Adobe After Effects/ Adobe Premiere/Mocha Pro and DaVinci Resolve
Client-side and Server-side Web Programming	Adobe Photoshop/Illustrator	Camera and Studio Technology Set.a.light 3D
Interactive and Dynamic Documents	Digital Video and Digital Audio Processing	UI and UX - Adobe XD and InVision
Computer Algorithms	Web Design and Web Programming	Database Design and Management
Networking and Multimedia Communication	2D Game Development and Scripting	Blackboard/ Brightspace and E- Learning
Adobe InDesign and Bridge	Human-Computer Interaction	Operating Systems

Industrial Experience
Algonquin College: Web Designer and Developer
Security Circuits : Consultant and Multimedia Developer

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Freelancing : 100+ projects in the field of dynamic media

Research Interests

VR and AR	Video Falsification and Forgery Detection
Video Processing	On-line and Cloud Gaming
Modeling and Gaming	Multimedia Communication

Personal Information

Marital status	Married
Nationality	Jordanian
Date of Birth	27/1/1980
Place of Birth	Amman – Jordan

Contact Information

Country	Jordan
City	Amman
Street	Hurriah
Jordan Mobile	00962 – 78 91 91 3 91
Email	Ah.mazhar@yahoo.com
Web site	www.ahmad-mazhar.com

References

- Ref. 1 **Professor. Jairo Lugo-Ocando, Dean of College of Communication, University of Sharjah.**
- Ref. 2 **Professor. Mustafa Al-rifae, Chair, Multimedia Systems Department, Al-Zaytoonah University.**

More references are available upon request