

Prof. Mahmoud Geat Eljadid

Contact Information

Home phone:

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Date & Place of Birth: 14-May-1973. Bani Walid, LIBYA.

Address: Tripoli University, P.O.Box:13086, Tripoli, LIBYA.

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Work Experience:

Tripoli (Alfateh) University:

Tripoli, Libya.

(Sept. 2008 – Current)

**Professor, Faculty of Information Technology,
Software Engineering Department.**

Contributions:

1. Teaching, syllabus setup, and material development, of the following courses:
 - Introduction to computer sciences.
 - Computer Graphics.
 - Object-Oriented programming in Java, C# and C++.
 - Assembly Language Programming.
 - Networks Programming.
 - Software Engineering.
 - C Language Programming.
 - Compilers.
 - Programming Languages.
 - Software Design Patterns.
 - Advanced Java Programming.
 - Analysis and Design of Engineering Information Systems.
 - 3D Games Development.
2. Coordinator of M.Sc. in Software Development Program.
3. Director of the research, consultant and training dept. 2017 – 2021.
4. Head of the Quality Assurance Department, Faculty of Information Technology 2012-2014.
5. Head of Curriculum committee, Faculty of Information Technology 2012-2014.
6. Academic supervision 2003- current.

7. Teaching at Tripoli (Al-fateh) University Faculty of Engineering, Department Of Petroleum Engineering and the Department of Material Engineering 2008-2010.
8. Teaching at a Higher Institute of Electronic Technology in Bani Walid Libya, 2003.
9. Teaching at Libya University in English. Tripoli, 2009.

Education

Brunel University:
West London, UK.
(December 2007)

**PhD (excellent level), from the School of Engineering and Design,
Department of Electronic and Computer Engineering, Brunel University
West London, UK.**
Thesis Title: "3D Content Computer Generation for Volumetric Displays "

Features:

- Achieve of outstanding improvements in speeding up the generation of photo-realistic still 3D integral images.
- Develop a novel computer generated 3D integral images content.
- Develop a new 3D integral imaging algorithm.
- Develop a novel integral images plug-in techniques.
- Computer generation of photo-realistic Integral (true) 3D graphics.
- Developing of novel acceleration techniques.
- Developing of rendering software using C and C++ languages.
- Extensive knowledge of true 3D graphics, image based rendering, and photo-realistic rendering and its accelerating algorithms.
- Developing of a new 3D Integral Camera parameters.

Coventry University:
Coventry, UK (July 2003)

**M.Sc. from the School of Engineering in Information and Communication
Technology for Engineers.**

Al-fateh University:
Tripoli, Libya (1998)

B.Sc. In Computer Science, Faculty of Sciences, Department of Computer Science.

Technical Skills:

Professional experience at:

Java, C, C++, and Assembly programming languages, Network programming, 3D Computer Graphics, Tachyon Parallel/Multiprocessor Ray Tracing System, 3D Integral Images & medical rendering , 3D camera processing.

Languages

Arabic: Native Tongue.

English: Fluent.

- Intensive English course, Anglo-Continental school, Bournemouth U.K 2000.
- Intensive Academic English course, Sheffield University, U.K 2000.
- Intensive Advanced English course, Euro-enter school Bournemouth, U.K 2001.
- Intensive Business English course, Euro-center school, Bournemouth, U.K 2001.

Publications

1. M. G. Eljadid, A. Aggoun and O.Youssef: ‘Computer Generated Content for 3D TV’ 3DTV conference, Greece, 2007.
2. M. G. Eljadid, "3D content computer generation for volumetric displays," PhD Thesis, Brunel University West London, 2007.
3. M. G. Eljadid, A. Aggoun, O. H. Youssef," Enhanced Still 3D Integral Images Rendering Based on Multiprocessor Ray Tracing System" Journal of Image and Graphics, Volume 2, No. December 2014, doi 10.12720/joig 2.2.117.122.
4. M. G. Eljadid, A. Aggoun, O. H. Youssef," Enhanced Techniques 3D Integral Images Video Computer Generated” Proceedings of the International conference on Computing Technology and Information Management, Dubai, UAE, 2014. ISBN: 978-0-9891305-5-4 ©2014 SDIWC.
5. Mahmoud G. Eljadid, A. Aggoun, "Medical 3D Integral Images Visualization in True Space". Journal of Lecture Notes on Software Engineering, Vol. 4, No. 2, May 2016 LNSE 2016 Vol.4(2): 87-90 ISSN: 2301-3559 DOI: 10.7763/LNSE.2016.V4.229.

6. Mahmoud G. Eljadid, Amar Aggoun, "Computer Generation of 3D Integral Imaging Animation" Libyan International Conference on Electrical Engineering and Technologies, LICEET 2018, Tripoli-Libya 2018, LICEET137320178.
7. Mahmoud G. Eljadid, Amar Aggoun, Osama H. Youssef Atallah, "New 3D Holoscopic Images Content Format" Libyan International Conference on Electrical Engineering and Technologies, LICEET 2018, Tripoli-Libya 2018, LICEET137320178.
8. Mahmoud G. Eljadid, A. Aggoun, Osama H. Youssef Atallah, "New 3D Integral Imaging Camera Viewing Parameters ", International Journal of Emerging Engineering Research and Technology, 6(12), pp.17-29.
9. Mahmoud G. Eljadid and Amar Aggoun, "Holoscopic Image Video Content Display on Volumetric Displays: The next generation 3D TV technology" International Journal of Information Technology and Electrical Engineering, Vol. 7 No. 6, pp.14-17, December 2018.
10. Mahmoud G. Eljadid, "Extracting Geographic 3D Integral Images Data from Raster Maps" 4th International Conference on Technical Science, LCTS 2021, Tripoli-Libya 2021.
11. Mahmoud G. Eljadid, "Diagnosis and Surveillance of Covid-19 Pandemic Based on 3D Integral Images Technique" The International Libyan Conference for Information and Communications Technologies (ILCICT 2022). 27-30 / 3 / 2022, Tripoli, Libya.
12. Mahmoud Geat Eljadid, "Reconstruction of Maya 3D Holoscopic Images", International science and Technology Journal(ISTJ). Vol. 33(1), October 2023.
13. Mahmoud G. Eljadid, A. Aggoun, Osama H. Youssef Atallah, "Lens View Rendering For Efficient Computer Generation Of 3D Integral Images" AL-JAMEAI Journal, ISSN:2706 -5839. Issue 38. Autumn 2023.
14. Mahmoud Geat Eljadid, Amar Aggoun, Osama H. Attallah " Near to Real-time Computer Generation of 3D Holoscopic Images", International science and Technology Journal(ISTJ). Vol. 34(1), April 2024.