Dr. Mahmoud Geat Eljadid

Contact Information

Home phone:
Office phone:
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. 2010 – Current)

> **Associate professor, Faculty of Information Technology,**
> **Software Engineering Department.**
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> **Contributions:**
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> 1. Teaching, syllabus setup, and material development, of the following courses:
>   - Introduction to computer sciences.
>   - Computer Graphics.
>   - Object-Oriented programming
>   - Java
>   - C++
>   - Assembly Language Programming.
>   - Network 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
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> 2. Director of the research, consultant and training dept. 2017 – 2021.
> 3. Head of the Quality Assurance Department, Faculty of Information Technology 2012-2014.
> 4. Head of Curriculum committee, Faculty of Information Technology 2012-2014.
> 5. Academic supervision 2011- current.

6. Teaching at Tripoli University Faculty of Engineering,
   dept. oil and gas dept. material dept.
7. Teaching at a higher institute of Technology in Bani Walid Libya, 2003.
8. 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 interpolation 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.
- Developing a novel Medical 3D Integral Images Visualization.
- Generating a new Geographic 3D Integral Images.

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.

Publications

- M. G. Eljadid, A. Aggoun and O.Youssef: 'Computer Generated Content for 3D TV' 3DTV conference, Greece, 2007.

- M. G. Eljadid, "3D content computer generation for volumetric dislays," PhD Thesis, Brunel University West London, 2007.

- 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.

- 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.

- 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.

- 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.

- 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.

- 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.

- 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.

- Mahmoud G. Eljadid, "Extracting Geographic 3D Integral Images Data from Raster Maps" 4th International Conference on Technical Science, LCTS 2021, Tripoli-Libya 2021.

- 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