


PERSONAL DETAILS

Name	Hasan Z. H. Alhajhamad	
Date of birth	November 01, 1985	
Mobile No.	+970598393908 (Palestine)	
Citizenship	Palestinian	
Permanent Address	Masaken Shabeyya, Nablus, Palestine	
Email	hzhamad@gmail.com	
Twitter	@hzhamad	
LinkedIn	https://www.linkedin.com/in/hasanalhajhamad	
ORCID	orcid.org/0000-0001-8926-8502	
ResearchGate	https://www.researchgate.net/profile/Hasan_Alhajhamad2	

EXPERTISE

Computer Science, Computer Graphics, Image Processing, Modeling, Visualization, Augmented Reality, Virtual Reality, Virtual Environment, Computer Games, Image Segmentation, Image Analysis, Pattern Recognition.

EDUCATION

[2003]	Ministry of Higher Education, Ramallah, Palestine <i>High School Examination Certificate</i>
[2007]	Arab American University-Jenin, Jenin, Palestine <i>BSc. Computer Information Technology</i>
[2010]	Jawaharlal Nehru University, New Delhi, India <i>Master of Technology in Computer Science (Pattern Recognition)</i>
[2011 – 2017]	Universiti Teknologi Malaysia, Johor Bahru, Malaysia <i>Doctor of Philosophy in Computer Science (Multimedia & Computer Graphics)</i>

LANGUAGE SKILLS

Arabic (Fluent), English (Excellent)

WORK EXPERIENCE

[2006 – 2006]	Alquds press, Jenin, Palestine <i>Graphic Designer, part time</i>
---------------	--

[2006 – 2006]	HSITCE, Jenin, Palestine <i>Trainer, full-time</i>
[2007 – 2008]	Nablus Local TV, Nablus, Palestine <i>Graphic Designer & Video Montage Director, full-time</i>
[2009 – 2010]	Freelancer <i>English translator</i>
[2010 – 2011]	Arab American University-Jenin, Jenin, Palestine <i>Teacher, part time</i>
[2011 – 2017]	Universiti Teknologi Malaysia, Johor, Malaysia <i>Researcher and project member, full time</i>
[2017 – Now]	Palestine Technical University – Khadoorie, Palestine <i>Assistant Professor, full time</i>

RESEARCH PUBLICATIONS

1. Shadow Generation in Mixed Reality: A Comprehensive Survey.
Kolivand, Hoshang, Alhajhamad Hasan Zakaria, and Mohd Shahrizal Sunar.
IETE Technical Review 32.1 (2015): 3-15.
ISI Impact Factor: 0.888 (Q2)
2. Towards a Realistic Marker-based Augmented Reality Scene: Issues and Prospective Aspect
Alhajhamad, Hasan, and Mohd Shahrizal Sunar. Jurnal Teknologi 75.2 (2015).
Proceeding of 2nd International Conference on Interactive Digital Media (ICIDM 2013)
Scopus, IF: 0.15 (Q3)
3. Image Segmentation Techniques used in Color Detection: A Survey
Hasan Alhajhamad, Mohd Shahrizal Sunar, Hoshang Kolivand, Cik Suhaimi Yusof
International Journal of Multimedia and Ubiquitous Engineering
(Accepted paper, not yet published)
4. An Overview: Image Segmentation Techniques for Geometry and Color Detection in Augmented Reality Environments
Alhajhamad Hasan, Kolivand Hoshang, and Mohd Shahrizal Sunar

Oriental Journal of Computer Science and Technology 6 (2), 21-31

Non-indexed

5. Automatic Estimation of Illumination Features for Indoor Photorealistic Rendering in Augmented Reality

H Alhajhamad, MS Sunar, H Kolivand

Springer, SoMet 2015, Naples, Italy, September 15-17, 2015. (Proceedings in a book chapter)

Intelligent Software Methodologies, Tools and Techniques, 541-554

Conference and book chapter in Springer

6. Interactive Non-photorealistic Rendering

R Al-Rousan, MS Sunar, H Kolivand, H Alhajhamad

Jurnal Teknologi 75 (4)

Scopus, IF: 0.15 (Q3)

7. Rendering of Single Scattering using Types of Light Sources : Review

HH Ali, MS Sunar, H Kolivand, H Alhajhamad

3rd International Conference on Interactive Digital Media, 2014

8. Stylized Line Drawing and Shading Effects for Cartoon Rendering

RH Al-Rousan, MS Sunar, H Kolivand, H Alhajhamad

3rd International Conference on Interactive Digital Media, 2014

9. A Study on Image Segmentation Techniques used in Color Detection

H Alhajhamad, MS Sunar

3rd International Conference on Interactive Digital Media (ICIDM 2014)

10. Effective Augmented Reality Scene Illumination and Shadowing Using an Improved Light Source Detection Technique

H Alhajhamad, MS Sunar

1st International Conference on Interactive Digital Media, 2012 (ICIDM 2012)

COURSES (TAUGHT, TRAINED, OR ABLE TO DELIVER)

Introduction to IT, Introduction to Multimedia, Buisness in Multimedia, Montage Course, Augmented Reality course, OpenCV SDK course, Computer Programming with C/C++ I and II, Computer Programming with Java I and II, Data Structure, Computer in Education, Software Engineering, Research

Methodology, e-Commerce, Computer Graphics, Advanced Computer Graphics, Special Topics in IT, Introduction to Image Processing, Advanced Image Processing, Human Computer Interaction, Computer Animation, Computer Modeling, Computer Graphics with Photoshop, LaTeX (workshop), Discrete Math, Engineering Math, Calculus I and II

PROJECTS

[2012-2013] A New Indoor Rendering for Augmented Reality Environments

[2014-2015] Intuitive Mobile-based Tracking for Urban Simulation in Augmented Reality Environment

[2015-2016] Automatic speech recognition in Quranic recitation

IT SKILLS

Operating Systems	Windows, Linux OS, Mac OS, iOS, and Android
Programming Languages	Objective C, C/C++, Java, VB, and VB.Net (VB.Net and C#), Python
SDKs	Java JDK, Android SDK, OpenCV, EmguCV, OpenCVsharp, OpenGL, GLSL, and can handle several multiplatform SDKs in I/O, Computer Vision and Computer Graphics
DATABASE	Oracle Database Environment, PHP/MySQL, XML, MS Access (ODBC)
Web Development	HTML, PHP, JAVA JSP, ASP.Net
Software	MS Office, LaTeX, Matlab, Visual Studio, Eclipse, SQL Server, Unity3D, Autodesk (Maya, 3Ds Max), Adobe (Photoshop, Illustrator, Flash, Premier, After Effects), Blender, Sound Forge, and other 3D Rendering and modeling software.

MISCELLANEOUS

More personal qualifications:

[2004] Computer course: Linux Operating System

[2005] Hebrew language Course

[2006] Computer course: Alias Maya

[2011] Attending several courses on publication in international journals and research management.

[2011-2017] Published several research papers in scopus and SCI indexed journals.

[2012,2013,2014] Presenting several paper at the ICIDM international conference.

[2012] Presenting a lecture at PARS 2012, conducted by Universiti Teknologi Malaysia

[2013-2016] Appointed as the representative of Computer Graphics and Multimedia department (ViCube) research group, Universiti Teknologi Malaysia.

[2013-2017] Giving several lectures on Augmented Reality.

[2014] Awarded a bronze medal for software product: "WiFi-AR".

[2013-2017] Reviewer for Jurnal Teknologi

[2016] Reviewer for the International Journal of Intelligent Systems Technologies and Applications (IJISTA).

[2016] Reviewer for the International Journal of Computer Aided Engineering and Technology (IJCAET).

REFERENCES

- | | |
|---|--|
| [Dr. Sami Awad] | [Senior Lecturer, Arab American University-Jenin, Palestine, sami.awad@aauij.edu, +972599207589] |
| [Dr. Muath Sabha] | [Assistant Professor, Arab American University-Jenin, Palestine, muath.sabha@aauij.edu, +972599165919] |
| [Professor Dr. S. Balasundaram] | [Professor, Jawaharlal Nehru University, New Delhi, India, balajnu@gmail.com, +911126704724] |
| [Dr. Nasser Hamad] | [Senior Lecturer, American University-RAK, UAE, nasser.hamad@aurak.ac.ae, +971566272715] |
| [Assoc. Prof. Dr. Mohd Shahrizal Bin Sunar] | [Head of MaGIC-X, Universiti Teknologi Malaysia, Johor, Malaysia, shahrizal@utm.my, +60197588038] |
| [Dr. Mohd Shafry] | [Head of Department of Computer Graphics and |

Multimedia, UTM- Skudai, Johor, Malaysia,
shafry@utm.my, +60137025625]

[Dr. Eyman
Daraghme]

[Head of Department of Applied Computing, PTUK,
Tulkarim, Palestine, eman.yasser85@gmail.com,
+972595765601]