**Alaa Hamza Omran**



**Lecturer**

**Personal Data**

Nationality | Iraqi

Date of Birth |28 March, 1990

Department | Information System Management UOITC

Email | alaa.hamza90@uoitc.edu.iq

Mobile No. | 009647712905503

**Language Proficiency**

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| --- | --- | --- | --- |
| **Language** | **Read** | **Write** | **Speak** |
| Arabic | Excellent | Excellent | Excellent |
| English | V.good | V.good | V.good |

**Academic Qualifications (Beginning with the most recent)**

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| **Date** | **Academic Degree** | **Ranking** | **GPA** | **Place of Issue** | **Address** |
| 29/7/2015 | MSc. | First | 85.76 | Department of Electronic and Communications Engineering / College of Engineering / University of Baghdad | Baghdad - Iraq |
| 12/7/2012 | BSc. | Third | 82.83 | Department of Computer Engineering / College of Engineering / University of Baghdad | Baghdad - Iraq |

**PhD, Master or Fellowship Research Title**

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| **PhD** |  |
| **Master** | Indoor Positioning and Monitoring System Using Smartphone and  WLAN (IPMS) |
| **Fellowship** |  |

**Administrative Positions Held:**

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| **Administrative Position** | **Oﬃce** | **Date** |
| Program Committee Members | 8th International Conference on Advanced Computer Science and Information Technology (ICAIT 2019), Zutich, Switzerland | From 30-3-2019  To 31-3-2019 |
| Program Committee Members | 10th International Conference on Computer Networks & Communications  (CoNeCo 2018), Dubai, UAE | From 26-5-2018  To 27-5-2018 |
| Program Committee Members | 5th International Conference on Computer Science and Information Technology (CSIT 2018), Copenhagen, Denmark | From 28-4-2018  To 29-4-2018 |
| Scientific Affairs Director | Business Informatics College/ University of Information Technology and Communications | From 1/9/2016  To currently |
| Advisory Committee Members | 5th International Conference On Communication And Electronics Systems (ICCES 2020) | 10-12, June 2020  PPG Institute Of Technology, Coimbatore, India |
| Member on the Panel of Reviewers | 4th International Conference on Inventive Computation Technologies (ICICT 2019) | Organized by RVS Technical Campus during 29-30, August 2019 at Coimbatore, Tamil Nadu, India. |

**Scientific Achievements**

**Published Refereed Scientiﬁc Researches**

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| **#** | **Name of Investigator(s)** | **Research Title** | **Publisher and Date of Publication** |
| 1 | Alaa Hamza Omran  Hamid M. Ali | Real Map Virtualization For Indoor Positioning Using Smartphone | International Journal of Computer Application (IJCA), USA, Vol. 112, No. 1, pp. 23-28, February, 2015. |
| 2 | Alaa Hamza Omran  Hamid M. Ali | Floor Identification Using Smartphone Barometer Sensor For Indoor Positioning | International Journal of Engineering Sciences and Research Technology (IJESRT), USA, Vol. 4, Issue 2, No. 1, pp. 384-391, February, 2015. |
| 3 | Alaa Hamza Omran  Hamid M. Ali | Indoor Positioning and Monitoring System Using Smartphone and WLAN (IPMS) | Journal of Engineering College, Baghdad University, Iraq, Vol.21, pp.16-33, September 2015. |
| 4 | Alaa Hamza Omran  Jane Jaleel  Ahmed Shehab | Blended Learning Using Virtual Reality Environments | IJCI, UOITC, vol. 43, Issue 1, No. 6-13, Iraq. |
| 5 | Alaa Hamza Omran  Yaser M. Abid  Roqaia Jwad | Supervised feed forward neural networks for Smart chessboard based on FPGA | Journal of Engineering and Applied Science, 2017. |
| 6 | Alaa Hamza Omran  Yaser M. Abid | Design of smart chess board that can predict the next position based on FPGA | Advances in Science, Technology and Engineering Systems Journal, 2018 |
| 7 | Alaa Hamza Omran  Hussien A. Mohammed  Yser M. Abid  Ahmed Raheem | Intelligent Controller for Monitoring Vehicles at the Roads | Al-Nahrain Journal for Engineering Science, 2017 |
| 8 | Bashar Jahem  Alaa Hamza Omran | المشاركة الانتخابية ومدى فاعلية استخدام تطبيق هاتفي في زيادة نسبتها | College of Law Journal- Al Nahrain University |
| 9 | Abbas fadhel,  Alaa Hamza Omran  Yaser M. Abid | Novel Intelligent Traffic Light System Using PSO and ANN | Journal of Advanced Research in Dynamical & Control Systems Volume 11, 04-Special Issue |
| 10 | Alaa Hamza Omran Itimad Raheem  Ali Dakhel Hussein | Minimizing the Loses of PV Panel Generation by Designing an Intelligent Controller Based on FPGA | International Journal of Engineering & Technology 7 (4) (2018) 4846-4849 |

**Scientiﬁc Research Papers Presented to Refereed Specialized Scientiﬁc Conferences**

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| --- | --- | --- | --- |
| **#** | **Name of Investigator(s)** | **Research Title** | **Conference and Date of Publication** |
| 1 | Alaa Hamza Omran  Dhwyia Salman  Jane Jaleel | Design of Fuzzy Sampling Inspection Plan with Application”, | Accepted for publication at “ملتقى المعلومات الصناعية والاحصاء في الدول العربية”, Muscat Oman, October, 2016. |
| 2 | Haitham Badi  Alaa Hamza Omran Sabah Hasan | New method for optimization of static hand gesture recognition | Intelligent Systems Conference (IntelliSys), London, 2017 |
| 3 | Alaa Hamza Omran, Yaser M Abid  Ahmed Sabah Ahmed, Huda Kadhim  Ruqaia Jwad | Maximizing the power of solar cells by using intelligent solar tracking system based on FPGA | Advances in Science and Engineering Technology International Conferences (ASET), Dubai, 2018 |
| 4 | Haider Samet  Alaa Hamza Omran | Optimal number and location of the required measurement units for fault detection of PV arrays | 18th 2018 IEEE international conference on Environment and Electrical engineering (EEEIC 18), Italia, 2018 |
| 5 | Alaa Hamza Omran, Yaser M Abid  Huda Kadhim | Design of artificial neural networks system for intelligent chessboard | 4th IEEE International Conference on Engineering Technologies and Applied Sciences (ICETAS), Bahrain, 2017 |
| 6 | Jane Jaleel Stephan, Haitham Sabah Hasan, Alaa Hamza Omran | Comparing The Cuckoo Algorithm With Other Algorithms For Estimating Two Glsd Parameters | International Conference for Computer Science and Information Technology, Dubai, pp. 75– 86, August 2017 |
| 7 | Dr.Inaam Rikan Hassan ,Dr. Jane Jaleel Stephan Alaa Hamza Omran | Constructing Mixed Failure Model And Estimating Its Fuzzy Hazard Rate Function By Different Methods Using Simulation | 8th International Conference on Cryptography and Information Security (CRYPIS 2019) March 30-31, 2019, Zurich, Switzerland |

**Membership of Editorial Board (Reviewer) of Refereed Journals**

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| 1 | Membership of Editorial Board of “ Advances in Science, Technology and Engineering Systems Journal (ASTESJ) |
| 2 | Membership of Editorial Board of “ Computer Science & Information Technology Journal” |
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**Student Academic Supervision and Mentoring**

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| # | Level | Title | Institution |
| 1 | Undergraduate Students | Design and Implementation of a Traffic Violations System | Department of Information System Management/ BIC/ UOITC |
| 2 | Undergraduate Students | Educational Process Management System | Department of Information System Management/ BIC/ UOITC |
| 3 | Undergraduate Students | E-Systems for Promotion | Department of Information System Management/ BIC/ UOITC |
| 4 | Undergraduate Students | Network Based Home Security System Using Smartphone | Department of Computer Engineering/ Engineering College/ University of Baghdad |

**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

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| 1 | Operating Systems: MS DOS & Windows XP / Vista / win7. |
| 2 | Microsoft Office: 2003, 2007, 2010 (Word, Excel, Access, PowerPoint, outlook express and publisher). |
| 3 | Practice on DHCP in a windows server 2003 in the department labs. |
| 4 | Practice on a real network and a real router (cisco router) in the department Labs. |
| 5 | Programming Language: Android Programming/ C++ / Java /and Assembly. |
| 6 | Database: Microsoft Access. |
| 7 | Connecting java with Microsoft Access. |
| 8 | Web page design using HTML, PHP/MYSQL, CSS and JavaScript. |
| 9 | PIC Microcontroller Programming using Micro C compiler. |
| 10 | Serial port and parallel port interface with Microprocessor. |
| 11 | Computer maintenance. |
| 12 | MATLAB. |
| 13 | Proteus electronic Design. |
| 14 | Electronic Workbench. |
| 15 | Internet and Email services. |
| 16 | Photoshop CS5 (little) |

**Certifications or prof. registrations**

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| 1 | 2012: IC3 (Internet and Computing Core Certification). |
| 2 | 2012: Certificate of Appreciation Forum Baghdad University E-Learning. |
| 3 | 2011: Certificate of participation at the Festival of sovereignty scientific. |
| 4 | 2016: Development of administrative cadres. |
| 5 | 2012: TOEFL ITP. |
| 6 | 2011: CCNA Exploration (Network Fundamentals). |
| 7 | 2016: Certificate of PHP and PHP Advance. |
| 8 | 2016: Certificate of Method of Teaching Section |
| 9 | 2016: Certificate of Administrative development |
| 10 | 2018: Certificate of CCNA (CISCO Certified Network Associate Routing and Switching) |

# Honors and awards

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| 1 | ALESCO Mobile APPS Award/ at the level of the Republic of Iraq, Dubai, 2017. |