

---

## Faculty Vitae

### 1. Name

Alaa Hamza Omran

### 2. Education

BSc. Computer Engineering, College of Engineering, Baghdad University, June 2012.

MSc. Electronics and Communication/Computer Engineer, Baghdad University, May 2015.

### 3. Academic experience

Baghdad University, Engineering College, Computer Department, External Lecturer October 2013-June 2015, Java Lab.

Baghdad University, Engineering College, Computer Department, External Lecturer October 2013-June 2016, Network Theoretical and Lab.

Administrator on to Graduation Project.

### 4. Non-Academic experience

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).

---

## 5. Certifications or professional registrations

2012: IC3 (Internet and Computing Core Certification).

2012: Certificate of Appreciation Forum Baghdad University E-Learning.

2011: Certificate of participation at the Festival of sovereignty scientific.

2016: Development of administrative cadres.

2012: TOEFL ITP.

2011: CCNA Exploration (Network Fundamentals).

2016: Certificate of PHP and PHP Advance.

2016: Certificate of Method of Teaching Section

2016: Certificate of Administrative development

2018: Certificate of CCNA (CISCO Certified Network Associate Routing and Switching)

## 7. Honors and awards

1. ALESCO Mobile APPS Award/ at the level of the Republic of Iraq
2. Gratitude and appreciation from Minister of Higher Education and Scientific Research.
3. Gratitude and appreciation from President of University of Baghdad
4. Gratitude and appreciation from President of University of Baghdad
5. Gratitude and appreciation from President of University of Information Technology and Communication
6. Gratitude and appreciation from Dean of Business Informatics College
7. Gratitude and appreciation from President of Engineering College
8. Gratitude and appreciation from President of University of Information Technology and Communication
- 9.

## 9. Publications/Presentations

1. H. M. Ali and **Alaa Hamza Omran**, "**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. H. M. Ali and **Alaa Hamza Omran**, "**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. H. M. Ali and **Alaa Hamza Omran**, "**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. J. J. Stephan, A. S., **Alaa Hamza Omran**, “**Blended Learning Using Virtual Reality Environments**”, IJCI, UOITC, vol. 43, Issue 1, No. 6-13, Iraq.
  5. D. S. H., J. J. Stephan, **A. H. Omran** “**Design of Fuzzy Sampling Inspection Plan with Application**”, accepted for publication at “????? ?????????? ?????????? ?????????? ?? ?????? ?????????”, Muscat Oman, October, 2016.
  6. H. A. Mohhamed, **Alaa Hamza Omran**, “**Intelligent Controller for Monitoring Vehicles at the Roads**”, Al-Nahrain Journal for Engineering Science., vol. 20, Issue 5, P.P. 1207-1214, Iraq.
  7. J. J, H. S., **Alaa Hamza**, “[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.
  8. H. Sabah, **Alaa Hamza Omran**, “**New Method for Optimization of Static Hand Gesture Recognition**”, Intelligent Systems Conference IEEE, London, September 2017.
  9. Y. M., **Alaa Hamza Omran**, R. J., “**Supervised feed forward neural networks for Smart chessboard based on FPGA**”, journal of Engineering and Applied Science, 2017.
  10. **Alaa Hamza Omran**, Y. M., H. K., “**Design of Artificial Neural Networks System for Intelligent Chessboard**”, 4th IEEE International Conference on Engineering Technologies and Applied Sciences (ICETAS 2017), Bahrain, November, 2017.
  11. **Alaa Hamza Omran**, Yasser 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.
  12. Bashar Jahem, **Alaa Hamza Omran**, “????????? ?????????? ????? ?????????? ?????????? ?????? ?????? ?????? ?????????? College of Law Journal- Al Nahrain University.
  13. **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.
  14. 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.
  15. **Alaa Hamza Omran**, Itimad Raheem, Ali Dahkel, “**MINIMIZING THE LOSSES OF PV PANEL GENERATION BY DESIGNING AN INTELLIGENT CONTROLLER BASED ON FPGA**”, International Journal of Engineering & Technology.