


# Dr. KHATTAB M. ALI ALHEETI




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009647806443593  
Anbar, IRAQ


## WORK EXPERIENCE

**Lecture** - School of Computer Science and Electronic Engineering, Introduction Python  Colchester, UK


**2015-2018**

**Lecture** - School of Computer Science and Electronic Engineering, Embedded Linux  Colchester, UK


**2015-2016**

**Lecture** - College of computer, Information Systems Dept.  Anbar, Iraq

**2009 - Present**

**Lecture** - Almaref College, University, Computer Sciences Dept.  Anbar, Iraq

**2008-2009**

**Postgraduate Student** - MSc. Degree at Al al-Bayt University  Mafraq, Jordan

**2006-2008**

**Assistant Research** - Almaref College, University  Anbar, Iraq

**2005-2009**


 **Education Postdoc and PhD in Computer Science – Essex University – United Kingdom.**

## M.SC

### MASTER OF SCIENCE

**2006 - 2008**

Computer Sciences, Network Security, (Hons first class) Full time course work, plus thesis title: Intrusion detection using feed- forward neural networks, with the rank of Excellent, the First Sequence to the Students.


 Al Al-Bayt University, Mafraq, Jordan

## B.SC

### BACHELOR'S OF SCIENCE

**1996 - 2000**

Computer Sciences, Four years course, with the rank of Very Good, the Second Sequence to the Students from the 93 students.




 Al M'ammon College University, Baghdad, Iraq

## AWARDS

- Graduate award of Chancellor (Ranked First out of 3 students in M.Sc. Degree), 2009.
- Award of the Best Teaching in the college of computer in the 2010-2011.
- Honor: Shield of the Almaref college university for the Best Researcher in the 2012.
- Honor: Shield of the College of Computer- Anbar university for the to my participation in the conference overall with three research in the 2012.

## INTERNATIONAL EXPERIENCE



-  Anbar Iraq
-  Amman, Jordan
-  Colchester, UK

## RESEARCH AREA UNIVERSITY

- Pattern Recognition.
- Neural Network and Evolutionary Computing.
- Data and Network Security.
- Image Processing.
- Intrusion Detection.
- Artificial Intelligent and Fuzzy.
- E. Systems.

## RESEARCH AREA

- Security Driverless cars (autonomous vehicles).
- Vehicular ad hoc networks (VANETs).
- Intrusion detection in the VANETs.
- AI in the Google Driverless car.

## TOPICS COVERED DURING MS.C STUDY

- Distributed Operating Systems
- Algorithms Analysis and Design
- Artificial Intelligence
- Programming Languages
- Advance Computer Networks
- Computer Architecture
- Research Methods in Computer Science

## TEACHING AND ACADEMIC EXPERIENCE 2000-2018

- Computer Organization
- Operation System Concepts.
- Computer Security.
- Network Security.
- Simulation.
- Algorithm Analysis and Complexity.
- Artificial Intelligent.
- Software Engineering.



## LANGUAGES



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## EXPERIENCE TRAINING

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### 2006 - 2011

1. Training in Building we, pioneers for Electronic Management, Klass Glenewinkel MICT Director, 2007 Amman Jordan.
2. Campus Base International in Cooperation with the International Finance Corporation IFC /PEP-MENA program Certify that "Business Management Training Workshop", and E- Commerce, 2007 Amman Jordan.
3. Advance in "Introduction in Matlab" Course by Techsol Company, 2007 Amman Jordan.
4. Advance in "Neural Networks & Fuzzy" Course by Techsol Company, 2007 Amman Jordan.
5. Course in preparation for TOFEL IBT, Future Gate Academy with the rank of Excellent, 2007 Amman Jordan.
6. Course in the Media and Reporting on Environment and Climate Change, United Nations University, 2008 Amman Jordan
7. Course in preparation for Teaching Methods, Anbar University, 2009 Anbar Iraq.
8. Take Permission on Internet and Computing Core Certification IC3, Anbar University IT Center, 2010 Anbar Iraq.
9. Got permit in IELTS, with the degree 7, Colchester- U, 2013.
10. Course in preparation references in research EndNote, university of Essex, Colchester – United Kingdom, 2014.
11. Complete the training course in GTA and GLA at university of Essex, Colchester – UK, 2014.
12. Three Minutes Competition at University of Essex.
13. Safety and Security on disable wheel chair - 2017.

## EDITORIAL BOARD & REVIEW COMMITTEE

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- IEEE Consumer Electronic Magazine.
- IEEE Transactions on Intelligent Transportation Systems Journal.
- IEEE Aerospace and Electronic Systems Magazine.
- Vehicular Communications - Elsevier Journal.
- Advances in Science, Technology and Engineering Systems Journal (ASTESJ) Journal.
- Case Studies on Transport Policy Journal - EVISE.
- Designs – MDPI Journal.
- Reviewer and serve on the technical program committee (TCP) for some International Conferences such as ICOS2018, ISIEA2018, CCIT2018, CHUSER 2018.

## BEST SCIENTIFIC ARTICLES

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The site contains over 10 million names and with all data you find here you can create over 2,000,000,000,000 unique names, [www.listofnames.info/find.php?source=social&page=26425](http://www.listofnames.info/find.php?source=social&page=26425)

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## PUBLICATIONS IN REVIEWED JOURNALS AND CONFERENCES

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1. Khattab M. Ali Alheeti et al "Affect Fuzzication on Neural Networks Behavior as Intrusion Detector", the 4th IEEE Conference on Industrial Electronics and Applications (ICIEA 2009), publish in the IEEE Xplore Print ISBN: 978-1-4244-2799-4, to be held on May 25-27, Xi'an China.
2. Khattab M. Ali Alheeti et al. "The New Intelligent Immune System Using Neural Networks", Published in the Journal of the Almaref College, University, ISNB (1815-3364), Vol. 13 Twelfth Year 1431 A.H.-2010 A.D. Iraq.
3. Khattab M. Ali Alheeti, "Enhance (Features) of Intrusion Detection Using Back Propagation Algorithm" International interdisciplinary Scientific Conference 2011 On Bioinformatics: An Interface between Computer Science and Biology (I-ISC, 2011), Publish in the Journal of Natural Science, Biology and Medicine <http://www.jnsbm.org> ISSN: Print-0976-9668, Online-2229-7707, to be held on November 15-17, New Delhi India.
4. Khattab M. Ali Alheeti, "Study of E-Management Dimensions at the University Environment", the 3rd World Arab Statistician Conference, to be held on December 18-20, Amman Jordan, 2011, Royal Hotel.
5. Khattab M. Ali Alheeti et al "The Simulation of New Method to Handle Waiting Queues" Published in the Conference of the Almaref College University, ISNB (1815-3364), and Vol. 14 Thirteenth Year 1432 A.H.-2011 A.D. Iraq.
6. Khattab M. Ali Alheeti, "Implementation of an unlimited English Speech Synthesizer by Rules" Published in the Conference of the Almaref college University, ISNB (1815-3364), Vol. 15 Thirteenth Year 1432 A.H.-2011 A.D. Iraq.
7. Khattab M. Ali Alheeti, "Intelligent Traffic Light Control System Based Image Intensity Measurement", the 12th International Arab Conference on Information Technology Naif Arab University for Security Sciences (NAUSS)- (ACIT' 2011), ISBN: 0857-1812, to be held on December 11-14, King Saudi Arabia (KSA), 2011.
8. Khattab M. Ali Alheeti, "A Novel Approach of Large-Scale Exchange and Its Effect on E-Commerce Usability", the fourth International Conference on Development in e Systems Engineering DeSE 2011, to be held on 6-8 December 2011, publish in the IEEE Xplore Print ISBN: 978-1-4577-2186-1 the British University in Dubai, Arab Emirates.
9. Khattab M. Ali Alheeti, "Biometric Iris Recognition Based on Hybrid Technique", publish in the International Journals Computing Soft (IJSC), Volume 2, Number 4, ISSN: 2229- 6735 [Online]; 2229- 7103 [Print] India, November 2011.
10. Khattab M. Ali Alheeti, "Improve the Detection Rate of Intrusion by using Artificial Intelligent", Accepted in the Second Scientific conferences, Babylon University, college of computer Sciences, IEEE- to be held on May, 30-31, Iraq- 2011.
11. Khattab M. Ali Alheeti, "The Mechanism of Monitoring and Tracking of Health Care Systems", Published in the Journal of university of Anbar for pure science: ISSN: 1991-8941. Vol.6: NO.2: 2012, Anabr-Iraq.
12. Khattab M. Ali Alheeti, "Artificial intelligence and its role in building an intelligent system has a high capability in tracking", Published in the Conference of the Almaref College, University, ISNB (1815-3364), Vol. 19 Thirteenth Year 1433 A.H.-2012 A.D. Iraq.
13. Khattab M. Ali Alheeti, "Intuitive Models Based Architecture for Formal Modeling of Mammalian Circadian Networks", Published in the Conference of the Almaref College, University, ISNB (1815-3364), Vol. 19 Thirteenth Year 1433 A.H.-2012 A.D. Iraq.
14. Khattab M. Ali Alheeti, "The Use of Two Transform Methods in Fingerprints Recognition", ISSN: 1991-8941. J. Of university of Anbar for pure science: Vol.6: NO.2: 2012, Anbar-Iraq.
15. Khattab M. Ali Alheeti, "The New Intelligent System for the Protection of E-Learning from Penetration" ISSN: 1991-8941. J. of university of Anbar for pure science: Vol.6: NO.2: 2012, Anbar-Iraq.
16. Khattab M. Ali Alheeti, "Improve the Performance of Elections using Electronic Voting" Accepted in the Conference.
17. Khattab M. Ali Alheeti, "The Affect of Fuzzification on Back Propagation Static Signature Recognition" the 13th International Arab Conference on Information Technology ACIT'2012 Dec. 10-13, Tikrit-Iraq.
18. Khattab M. Ali Alheeti, "Application of a Fuzzy Neural Network Combined with an Expert Petri Net System to Intrusion Detection System" The 13th International Arab Conference on Information Technology ACIT'2012 Dec.10-13 ISSN:1812-0857, Amman- Jordan

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19. Khattab M. Ali Alheeti et al, "Increasing the Rate of Intrusion Detection based on a Hybrid Technique, Hold on University of Essex, Colchester-UK, published in Computer Science and Electronic Engineering Conference (CEEC), 2013 5th, 17-18 Sept. 2013, 3895463, IEEE, 2013 5th, Colchester-UK.
20. Khattab M. Ali Alheeti et al, " An Assessment for Recent Attacks on Specific Embedded Systems", International Conference on Emerging Security Technologies, hold on University of Alcalá, Alcalá-Spain, 978-1-4799-7007-0/14 © 2014 IEEE, DOI 10.1109/EST.2014.11, Alcalá-Madrid-Spain.
21. Khattab M. Ali Alheeti et al, "An Intrusion Detection System Against Malicious Attacks on the Communication Network of Driverless Cars", Accepted to publish in 12th Annual IEEE Consumer Communications Networking Conference, January 9-12. Las Vegas, Nevada – USA, 2015.
22. Khattab M. Ali Alheeti et al, "A System for The Detection of Grey Hole and Rushing Attack in Driverless Car Communication, Computer Science and Electronic Engineering Conference (CEEC), 2015 7th, 24-25 Sept. 2015, IEEE, Colchester-UK.
23. Khattab M. Ali Alheeti et al, "Employing Fuzzy Petri Net for The Detection of Attacks on External Communication in Self-Driving and Semi Self-Driving Vehicles," submitted to IEEE transaction.
24. Khattab M. Ali Alheeti et al, "Prediction of DoS Attacks in External Communication for Self-Driving Vehicles Using A Fuzzy Petri Net Model," accepted to ICCE 2016- IEEE, Las Vegas, Nevada- USA, 2016.
25. Khattab M. Ali Alheeti, " The Affect of Fuzzy Petri Net on Feed Forward Neural Networks Intrusion Detection System ", Published in International Journal of Business and ICT Edited in association with the American Society for Competitiveness (IJBICT), December 2014, Vol. 1, No.1, America.
26. Khattab M. Ali Alheeti, " A Novel Security System for Protection Database by Using Backprogration Algorithm", Published in International Journal of Business and ICT Edited in association with the American Society for Competitiveness (IJBICT), December 2014, Vol. 1, No.1, America.
27. Khattab M. Ali Alheeti, " E-University Environment Based on E-management", International Journal of Computational Engineering Research (IJCER), ISSN (e): 2250 – 3005- Volume, 05- Issue, 04- April – 2015.
28. Khattab M. Ali Alheeti et al, "Proposed Smart Card Authentication System Based on Feed Forward Neural Network", 7rd World Arab Statistician Conference, to be held on Feb. 9-10, Cairo, Egypt, 2015.
29. Khattab M. Ali Alheeti et al, "An Intrusion Detection System Against Black Hole Attacks on the Communication Network of Self-Driving Cars" Published at the 6th International Conference on Emerging Security Technology (EST-2015)- IEEE, Brunswick, Germany.
30. Khattab M. Ali Alheeti et al, " A Hierarchical Detection Method in External Communication for Self-Driving Vehicles Based on TDMA", Published Plos one Journal.
31. K. M. Ali Alheeti, A. Gruebler, K. McDonald-Maier: Intelligent Intrusion Detection of Grey Hole and Rushing Attacks in Self-Driving Vehicular Networks, MDPI Computers Journal 2016, 5, 16, pp 1-18.
32. K. M. Ali Alheeti, K. McDonald-Maier: Hybrid Intrusion Detection in Connected Self-Driving Vehicles, accepted by in 22nd IEEE International Conference on Automation and Computing (ICAC'16), in University of Essex on September 7-8, 2016.
33. Khattab M. Ali Alheeti et al, " Using Discriminant Analysis to Detect Malicious Vehicles in External Communication of Self-Driving Vehicles", published in Digital Communications and Networks (DCN) Journal.
34. Khattab M. Ali Alheeti et al, " An Intrusion Detection Scheme for Self-Driving Vehicles Based on ICMetric Techniques", Submitted to Sensors Journal.
35. K. M. Ali Alheeti, K. D. McDonald-Maier: An Intrusion Detection Scheme for Driverless Vehicles Based Gyroscopic Sensor Profiling, IEEE International Conference on Consumer Electronics (ICCE)- 2017, - IEEE, Las Vegas, Nevada- USA, 2017.
36. K. M. Ali Alheeti, K. McDonald-Maier: An Intelligent Security System for Autonomous Cars based on Infrared Sensors, Proceedings of the 23rd IEEE International Conference on Automation and Computing (ICAC'17), Huddersfield, UK, September 2017.
37. K. M. Ali Alheeti, K. McDonald-Maier: An Enhanced AODV Protocol for External Communication in Self-Driving Vehicles, Proceedings of the 7th IEEE International Conference on Emerging Security Technologies (EST), Canterbury, UK, September 2017.
38. Rabab Al-Zaidi, John Woods, Mohammed Al-Khalidi, K. M. Ali Alheeti and K. McDonald-Maier: Ship Ad Hoc Networks in a Maritime Environment: Imperatives, Challenges and Realization, Proceedings of the 2nd International Conference on Fog and Mobile Edge Computing (FMEC), Valencia, Spain, May 2017.
39. K. M. Ali Alheeti, A. Gruebler, K. McDonald-Maier: Intelligent Intrusion Detection of Grey Hole and Rushing Attacks in Self-Driving Vehicular Networks, Published in the MDPI Computers Journal, Computers 5, no. 3, 2016.
40. K. M. Ali Alheeti, K. McDonald-Maier: An Intelligent Intrusion Detection Scheme for self-driving Vehicles Based Magnetometer Sensor, Proceedings of the IEEE International Conference for Student on Applied Engineering (ICSAE) Conference Newcastle, pp: 75 – 78,

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UK, September 2016.

41. Khattab M. Ali Alheeti et al, "Dimensions of the Application E-government" Under publisher process.
42. Khattab M. Ali Alheeti et al, "A Novel Approach to Hide Information using Stenography" Under publisher process.
43. Khattab M. Ali Alheeti et al, "Speaker Recognition using Discrete Wavelet Transformation" Under publisher process.
44. Khattab M. Ali Alheeti, "The effects of Artificial Intelligent on online Intrusion", Published in International Journal of Business and ICT Edited in association with the American Society for Competitiveness (IJBICT), ISSN 2412-9917 December 2014, Vol. 1, No.3-4, America.
45. Khattab M. Ali Alheeti, "On the Utilization of BusNet in External Communication for Driverless Vehicles", submitted to the IEEE journal.

## THESES SUPERVISION & EXAMINATION

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- Supervisor and co-supervisor of more than three M.Sc. theses at University of Essex.

## BOOKS AUTHORED

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1. Khattab M. Ali and et al, Edited Textbook in the "Intrusion Detection Systems", ISBN 978-953-307-167-1, INTECH Publication, Croatia 2011.
2. Khattab M. Ali "Edited textbook for students of BSc in the Software Engineering", Work in Progress.

## REFERENCES

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\* Dr. Jehad Q. Alnihoud, Assistant Dean, Department of Computer Science, Faculty of IT, Al Al-Bayt University. E-mail: jehad@aabu.edu.jo.

\* Dr. Venus W. Samawi, Assistant Professor, Department of Computer Science, Faculty of IT, Al al-Bayt University. E-mail: dr\_venus2004@yahoo.com.

\* Dr. Omar Shatnawi, Assistant Professor, Department of Computer Science, Faculty of IT, Al al-Bayt University. E-mail: dromali@aabu.edu.jo.