General

Name: Soukaena Hassan Hashem

Date and Place Born: Baghdad, Iraq, 1978.

Office Address: Computer Science Department/ University Of Technology.

Degree of Study: PHD in Computer Sciences/ 2006

Scientific Specialization: Network Security.

Scientific Title: Professor/ 27-9-2020.

Post Box: Iraq—Baghdad—University Of Technology—(35092).

Mobile Phones:

E-Mail: Soukaena.Hassan@Yahoo.Com, 110015@uotechnology.edu.iq

Research Gate: 10.72

https://www.researchgate.net/profile/Soukaena-Hashem/unconfirmed?acceptedAuthorUid=2094478598

Google scholar: h-index 10

https://scholar.google.com/citations?user=VoO4ve0AAAAJ&hl=en

Scopus: h-index 5

https://www.scopus.com/authid/detail.uri?authorId=56156915000

Scientific Degrees

1. **BSC i**n Computer Sciences/ Computer Sciences Department/ University Of Technology, 2000.

2. **MSC i**n Computer Sciences/ Computer Sciences Department/ University Of Technology, 2002.

   Thesis Title: "Design A Protection System For An Internet Site".

   Supervisor: Prof. Dr. Ala'a Hussian Al-Hamami

3. **PHD i**n Computer Sciences/ Computer Sciences Department/ University Of Technology, 2006.

   Thesis Title: "Modification To Improve Mobile Commerce Security".

   Supervisors: Prof. Dr. Hillal Hadi Saleh & Scientific Consulter References: Prof. Dr. Ala'a Hussian Al-Hamami

Scientific Title

1. **Assistant Researcher** In Computer Sciences Department / University Of Technology, 2000.

2. **Assistant Lecturer** In Computer Sciences Department / University Of Technology, 2002.

3. **Lecture** In Computer Sciences Department / University Of Technology , 2006.

4. **Assistant Prof** In Computer Sciences Department / University Of Technology, 2009.

5. **Professor** In Computer Sciences Department / University Of Technology, 2020.

Employment History

1. **Researcher** In Laborites' Of Al-Rafidian College University And University Of Technology (Postgraduate Master Student 2000-2002**).**

2. **Assistant Lecture** In Al-Turath College University (Postgraduate Phd Student 2002-2004)

3. **Assistant Lecture** In Al-Rafidian College University (Postgraduate Phd Student 2004-2006).

4. **Lecturer** In Computer Sciences Department / University Of Technology (Doctor In Computer Science 2006-2009):

5. **Assistant Professor** In Computer Sciences Department / University Of Technology 2009.

6. **Professor** In Computer Sciences Department / University Of Technology 2009.

Scientific Research Interest

1. Network And Communications

2. Data Security

3. Network Security And Communications Security

4. Data Mining And Artificial Intelligence With Network And Security

Rating administrative and scientific

1. *Certificates,* from many of Iraq universities and Ministry Of Higher Education And Scientific Research.

2. *Wrote Thank and Appreciations,* from many of Iraq universities and Ministry Of Higher Education And Scientific Research.

3. *Administrative Committees,* by many of Iraq universities and Ministry Of Higher Education And Scientific Research.

4. *Posts in Scientific Asses of Thesis,* from many of Iraq universities and Ministry Of Higher Education And Scientific Research.

5. *Posts in Scientific Asses of Researches,* from many of Iraq universities and Ministry Of Higher Education And Scientific Research.

6. *Posts in Scientific Asses of Promotions,* from many of Iraq universities and Ministry Of Higher Education And Scientific Research.

7. ***Posts in Scientific Discussion Committees,*** from many of Iraq universities and Ministry Of Higher Education And Scientific Research.

Supervision of PHD Projects……..

1. "***Proposal To Secure Data Mining Attacks In Distributed Systems***", Enas Mohammad, Computer Sciences Department/University Of Technology, ***2014***.

2. "***Exploiting feature selection in Wireless Intrusion Detection***", Ihklas Khlaf, Computer Sciences Department/University of Technology, ***2015***.

3. "***Proposal To Adapting Search Engine Crawler***", Dunia Hameed, Computer Sciences Department/University Of Technology, ***2016***.

4. ***"Proposal to prevent web site phishing attacks",*** Rajaa Kadium, Computer Sciences Department/University of Technology, ***2017***.

5. "***Proposal hybrid SVD and FCM to enhance document clustering"***, Raghad Mohammad, Computer Sciences Department/University of Technology, ***2018.***

6. "***Proposal to enhance recommendation system"*** nadia falih, Computer Sciences Department/University of Technology, 2018.

Supervisors of Master Projects……..

1. ***"A Proposed Technique to Improve Association Rules In Data Mining***", Shemaa Akram, Computer Sciences Department/University Of Technology, 2008.

2. ***"A Proposal To Detect Computer Worms Using Data Mining Classification Algorithms***", Enas Ali, Iraqi Commission For Computer And Informatics, 2013.

3. ***"A Proposal To Enhance Networking Routing Algorithms Using Aco",*** Duha Saleh, Iraqi Commission For Computer And Informatics, 2013.

4. "***A Proposal To Enhance Wireless Communications Using Mimo"***, Hassan Hadi, Iraqi Commission For Computer And Informatics, 2013.

5. ***"A Proposed To Enhance Wireless Routing Using Swarm Intelligence***", Elaff Zuhair, Computer Sciences Department/University Of Technology, 2014.

6. ***"Proposal Mining Model To Advance Online Social Networks Facebook***", Saraa' Mohaq, Computer Sciences Department/University Of Technology, ***2014***.

7. ***"Healthcare Using Artificial Intelligence And Data Mining***", Ahlam Saied, Computer Sciences Department/University Of Mustansiryaa, ***2014***.

8. *"A Proposed Modified Stream Cipher to Enhance Network Security"*, ayman bashar, *Computer Sciences Department/University of Technology, 2015.*

9. *"Propose hybrid ACO and NB to Enhance Spam Filtering",* huda adel, Computer Sciences Department/University Of Technology, *2015.*

10. *"Propose HNB Classifier to Enhance NIDS in Cloud Environment",* hafsa adel, Computer Sciences Department/University Of Technology, *2016.*

11. *"Propose Fuzzy logic clustering to Enhance NIDS in Cloud Environment",* shaouq malik, Computer Sciences Department/University of Technology, *2017.*

12. *"Propose ant colony system to enhance steganography", eman talib, Computer* Sciences Department/University of Technology, *2017*.

13. *"Proposal algorithm to reduce false alarms in NIDS",* sahra mohammad, Computer Sciences Department/University of Technology, *2018.*

14. *"Proposal sketch-based image retrieval system"*, haider issam, Computer Sciences Department/University of Technology, *2018.*

15. "*Proposal secure e-learning under android environment*", tagreed abdlhammed, Computer Sciences Department/University of Technology, *2018.*

Supervision Of Diploma Projects……..

1. *"Apply Authenticity Using Fingerprint Biometric"*, Iraqi Commission For Computer And Informatics, 2012.

2. *"Apply Gui In E-Banking Web Sites",* Iraqi Commission For Computer And Informatics, 2012.

Books and Chapter in Book Publications (Arabic Language)

1. Book On C++ Programming Language.

   Title: "*Secrets And Concepts Of C++ Programming Language*".

   Authors: Prof. Dr. Ala'a Al-Hamami, Asst. Prof. Dr. Soukaena Hassan And Dr. Mohammad Ala'a Al-Hamami, Isbn: 9789957493530, 2008,

   Publisher: *Ethraa for publications and distribution*.

2. Book On Computer Networking Sciences.

   Title: "*Fundamental And Technology Of Computer Networking*".

Authors: Prof. Dr. Ala'a Al-Hamami, Asst. Prof. Dr. Soukaena Hassan And Dr. Mohammad Ala'a Al-Hamami, Isbn: 9789957780524, 2010,

Publisher: *Ethraa for publications and distribution*.

3. Book On Computer Wireless Networking Sciences *(Still Unmarked)*

   Title: "*Wireless Networks And Mobile Communication Technology And Application*".

   Authors: Prof. Dr. Ala'a Al-Hamami, Asst. Prof. Dr. Soukaena Hassan And Dr. Mohammad Ala'a Al-Hamami.

   Publisher: *Ethraa for publications and distribution*.

4. Book On Data Mining And Security *(Still Unmarked)*

   Title: "*Data Mining In Security Applications*".

   Authors: Prof. Dr. Ala'a Al-Hamami, Asst. Prof. Dr. Soukaena Hassan And Dr. Mohammad Ala'a Al-Hamami.

   Publisher*: Ethraa for publications and distribution*.

Books and Chapter in Book Publications (English Language)

1. Chapter In Book On Intrusion Detection System*(Still Unmarked)*

   Title: "*Enhance Network Intrusion Detection System by Exploiting BR Algorithm as an Optimal Feature Selection*".

   Authors: Prof. Dr. Ala'a Al-Hamami, and Asst. Prof. Dr. Soukaena Hassan,

   Publisher: IGI Global for publication in the book.

Researches Publications (English Language)………

1. *"Selecting Controllers For Networking Environment "* , Prof. Dr. Ala'a Al_Hamami And Soukaena Hassan, Journal Of Al-Rafidian No. 14, 2003.
2. "*Strategies And Policy For Firewalls Protection Systems"*, Prof. Dr. Ala'a Al_Hamami And Soukaena Hassan, Journal Of Technology No. 5, Vol. 22, 2003.
3. *"A Proposed Firewall Security Methods Against Different Types Of Attacks"*, Prof. Dr. Ala'a Al_Hamami and Soukaena Hassan, Journal Of Technology, 2004.
4. *"A Proposed Configuration For The Screened Subnet Firewall Architecture"*, Prof. Dr. Ala'a Al_Hamami And Soukaena Hassan, 2nd International Conference For Computers And Informatics, 2003.

5. *"Suggestion For Improving The M-Commerce Security"*, Prof. Dr. Ala'a Al_Hamami, Prof. Dr. Hillal Hadi Saleh And Soukaena Hassan, The 2006 International Conference On E-Learning, E-Bussiness, Enterprise Information System, E-Government. (Eee '06: June 26-29, 2006, Lasvegas, Usa).

6. "*Using E-Mobile Proxy For Improvement Of E-Commerce On The Web"*, Prof. Dr. Ala'a Al_Hamami, Prof. Dr. Hillal Hadi Saleh And Soukaena Hassan, First National Technology Symposium (Nits 2006), King Saud University, Kingdom Of Arabian Saudi, 5-7 February, 2006.

7. *"Escaping Information Using Unused Bits In The Internet Packets By Secure Sign"*, Prof. Dr. Ala'a Al_Hamami And Soukaena Hassan, 2nd International Conference On Information And Communication Technology. 5 And 6 December, 2004, (Icict 2004, Egypt In Cairo).

8. "*Building Immune Web against Steganographic Image*", Dr. Soukaena Hassan And Dr. Mohammad Al-Hamami, The 3rd International Conference On Information And Communication Technology (Icict2005), Cairo, Egypt, December 2005.

9. "*Improving Performance and Random Signature Schemes In Twofish Cryptosystem*", Dr. Soukaena Hassan And Dr. Mohammad Al-Hamami, Magazine Of Al- Rafidain University College For Science, No. 16, 2005. Baghdad, Iraq.

10. "*A Proposed Modifications To Improve The Performance Of Blowfish Cryptography Algorithm*", Dr. Soukaena Hassan And Dr. Mohammad Al-Hamami, First National Information Technology Symposium (Nits 2006) , Bridging The Digital Divide: Challenge And Solutions, King Saud University, Riyadh, Kingdom Of Saudi Arabia, 5-7 Feb 2006.

11. *"A Proposed Multi-Agent System For Intrusion Detection System In A Complex Network"*, Prof. Dr. Ala'a Al_Hamami And Dr. Soukaena Hassan, Ictta '06.

12. *"Adding New Level In Kdd To Make The Web Using Mining More Efficient"*, Dr. Soukaena Hassan And Dr. Mohammad Al-Hamami, First National Information Technology Symposium (Nits 2006) Bridging The Digital Divide: Challenge And Solutions, King Saud University, Riyadh, Kingdom Of Saudi Arabia, 5-7 Feb 2006.

13. "*A Proposed Firewall For Viruses"*, Prof. Dr. Hilal Mohammad Yousif, Dr. Mohammad Ala'a Al_Hamami And Dr. Soukaena Hassan, Journal Of Al_Rafidian, No. 20, 2006.

14. "*Applying Data Mining Techniques In Intrusion Detection System On Web And Analysis Of Web Usage"*, Prof. Dr. Ala'a Al_Hamami, Dr. Mohammad Ala'a Al_Hamami And Dr. Soukaena Hassan, Information Technology Journal 5 (1), 2006, Issn:1812-5638, Asian Network For Scientific Information.

15. "*Extending The Ability Of Mobile Devices To Use Wavelet-Based Watermarking And Steganography Applications"*, Prof. Dr. Ala'a Al_Hamami, Dr. Mohammad Ala'a Al_Hamami And Dr. Soukaena Hassan, 2nd Jorn International Conference On Computer Science And Engineering (Jiccse 2006), 5-7 December, 2006.

16. *"Using Data Mining Technique (Mafia) On Suggested Stego Database For Improving Staganography Usage"*. Hilal M. Yousif Al-Bayatti1, Soukaena H. Hashem2, Mohammad A. Mohammad3, Worldcomp'08 July 14-17, 2008 Monte Carlo Resort Las Vegas Nevada, Usa.

17. *"A Proposed Strategy For Segmenting The Video Clips Into Shots And Selecting The Master Frame"*, Dr. Soukaena Hassan Hashem, Al_Mustansiriya J. Sci, Vol. 19, No. 1, 2008.

18. ***"Propose And Implement Firewall Strategy Using Multi Agent System"***, Dr. Soukaena Hassan Hashem, Al_Mustansiriya J. Sci, Vol. 19, No. 4, 2008.

19. ***"Proposed Strategy To Secure Web Usage"***, Prof. Dr. Hilal Hadi Saleh And Dr. Soukaena Hassan Hashem, Journal Of Al_Rafidian, No. 22, 2008.

20. ***"Privacy Preserving For Data Mining Applications",*** Prof. Dr. Ala'a Al_Hamami And Dr. Soukaena Hassan Hashem, *Engineering And Technology Journal, Issn 1681-6900, No.5, Vol.26, 2088.*

21. "***Applying Data Mining Techniques To Discover Methods That Used For Hiding Messages Inside Images"***, Dr. Mohammad Ala'a Al_Hamami And Dr. Soukaena Hassan, Iraqi Association Of Information Technology, 2008.

22. ***"A New Technique To Strength The Immunity Of Stego-Image Against The Stego-Analysis Methods",*** Dr. Mohammad Ala'a Al_Hamami And Dr. Soukaena Hassan, Iraqi Association Of Information Technology, 2008

23. ***" Suggestion To Extract Association Rules With Multi Dimensional Database",*** Prof. Dr. Hilal Hadi Saleh , Dr. Soukaena Hassan Hashem, Shaima Akram, Al-Taqani, Issn 1818-653x, Vol. 23, No. 1, 2010.

24. ***"Suggestions To Improve The Efficiency Of Association Rules Techniques In Data Mining"***, Prof. Dr. Hilal Hadi Saleh , Dr. Soukaena Hassan Hashem, Shaima Akram, Al-Taqani, Issn 1818-653x, Vol. 23, No. 4, 2010,

25. ***"An Approach For Facilating Knowledge Data Warehouse",*** International Journal Of Soft Computing Application (Ijsca), Eurojournals Publishing, Inc, Vol. 4,January, 2009

26. ***"A Proposed Technique For Medical Diagnosis Using Data Mining",*** Fourth International Conference On Intelligent Computing And Information System (Icicis 2009), Cairo, Egypt , March 19-22, 2009.

27. ***"Using Data Mining Confidence And Support For Privacy Preserving Secure Database",*** Journal Of Statistical Sciences, Volume 1, No. 1, Issued By Arab Institute For Training And Research In Statistics, July –December 2009.

28. ***"Applying Packets Meta Data For Web Usage Mining",*** Prof. Dr. Alaa H. Al-Hamami, Dr. Mohammad A. Al-Hamami And Dr. Soukaena H. Hashem, Isiict 2009, Third International Symposium On Innovation In Information & Communication Technology, 15 ˉ 17 December, 2009, Philadelphia University, Amman, Jordan, Http://Www.Philadelphia.Edu.Jo/Isiict2009

29. ***"Proposed Framework For Medical Image Processing",*** Assist. Prof. Dr. Soukaena Hassan Hasheem, ۱۱ ,الحاسوب لعلوم الاول العلمي المؤتمر ,الحاسوب علوم قسم ,التكنولوجية الجامعة ,العلمي والبحث العالي التعليم وزارة ,العراق جمهورية ۱۰ـ ۲۰۱۰ ـشباط ـ

30. ***"A Strategy To Compromise Handwritten Documents Processing And Retrieving Using Association Rules Mining",*** Ubiquitous Computing And Communication Journal (Issn 1992-8424), Ubicc Journal, Volume 6: Issue 3, 15/6/2011. Http://Www.Ubicc.Org/Journal_Detail.Aspx?Id=48

31. ***"A Proposed Modified Data Encryption Standard Algorithm By Using Fusing Data Technique",*** *World Of Computer Science And Information Technology Journal (Wcsit) Issn: 2221-0741 Vol. 1, No. 3, 88-91, 2011.* 88-91, 2011, Http://Pub.Wcsit.Org/1.3.2011.88.91.

7

32. ***"Developing A Block-Cipher-Key Generator Using Philosophy Of Data Fusion Technique",*** Journal Of Emerging Trends In Computing And Information Sciences, Volume 2 No.5, May 2011 Issn 2079-8407, Http://Www.Cisjournal.Org/Archive_May_2011.Aspx.

33. ***"An Association Rules Analysis To Enhance Solving The Congestion Problem",*** Journal Of Emerging Trends In Computing And Information Sciences , Volume 2 No.7, July 2011 Issn 2079-8407

34. ***"Optimal Cell Towers Distribution By Using Spatial Mining And Geographic Information System",*** *World Of Computer Science And Information Technology Journal (Wcsit) Issn: 2221-0741 Vol. 1, No. 2, 44-48, 2011*

35. ***"A Novel Approach For Mining Spatial Data Types Database",*** Prof. Dr. Ala'a H. Al-Hamami   And   Dr. Soukaena Hassan Hashem, Dr. Mazin Al-Hakeem ،2012، العدد 31، مجلة كلية بغداد للعلوم الاقتصادية جامعة بغداد

36. ***" Approach For Retrieving Video Clips",*** Prof. Dr. Ala'a H. Al-Hamami   And   Dr. Soukaena Hassan Hashem, Dr. Mazin Al-Hakeem , Engineering And Technology Journal, Issn 1681-6900, No. 11, Vol. 30, 2012.

37. ***"Efficiency Of Svm And Pca To Enhance Intrusion Detection System",*** *Dr. Soukaena Hassan Hashem,* Journal Of Asian Scientific Research, 2013, 3(4):381-395.

38. ***"Proposal To Enhance Antnet Routing Algorithm By Exploiting Association Rules As Analysis Tool",*** Soukaena Hassan Hasheem, Ijcsi International Journal Of Computer Science Issues, Vol. 10, Issue 2, No 2, March 2013, Issn (Print): 1694-0814 | Issn (Online): 1694-0784, Www.Ijcsi.Org.

39. ***"A Proposal To Detect Computer Worms (Malicious Codes) Using Data Mining Classification Algorithms",*** Dr.Soukaena Hassan Hashim, Inas Ali Abdulmunem, Eng. &Tech. Journal .Vol31,Part (B), No. 2, 2013.

40. ***"Proposal To Enhance Network Routing By Using Ant Colony Optimization",*** Dr. Soukaena Hassan Hasheem And Duha Mustafa Saleh, Eng. &Tech. Journal. Vol. 31, Part (B), No. 6, 2013.

41. ***"Proposal To Enhance Fingerprint Recognition System",*** Soukaena H. Hashem, Abeer T. Maolod, Anmar A. Mohammad, International Journal Of Computer Engineering And Technology (Ijcet), Issn 0976-6367(Print), Issn 0976 – 6375(Online) Volume 4, Issue 3, May – June (2013), © Iaeme.

42. ***"Enhance Network Intrusion Detection System Using Bee Algorithm",*** Dr. Soukaena H. Hashem, Shatha Habeeb And Besmah Mohammed Khalil ، مجلة مدينة العلم، المجلد (5) و العدد (1) لعام 2013.

43. ***"A Proposal To Enhance Wireless Communication By Using Mimo Technology",*** Dr. Soukaena H. Hashem And Hassan Hadi Saleh، مجلة جامعة ديالى ، المجلد العدد.

44. ***"A Proposal To Effective Long Itemstes Association Rule Mining Liarm (Applied On Proposed Stego-Images Dataset)",*** Soukaena H. Hashem, Alia K. Abdulhassan And Hala B. Abdulwhab, International Journal Of Scientific Research. Volume : 2 | Issue : 9 | September 2013 • Issn No 2277 – 8179.

45. ***"Proposal To Wnids Wireless Network Intrusion Detection System",*** Saad K. Majeed, Soukaena H. Hashem And Ikhlas K. Gbashi, Ijsr - International Journal Of Scientific Research Volume : 2 | Issue : 10 | October 2013 • Issn No 2277 – 8179.

46. " **Propose Hmnids Hybrid Multilevel Network Intrusion Detection System",** Saad K. Majeed, Soukaena H. Hashem And Ikhlas K. Gbashi, Ijcsi International Journal Of Computer Science Issues, Vol. 10, Issue 5, No 2, September 2013, Issn (Print): 1694-0814 | Issn (Online): 1694-0784, Www.Ijcsi.Org

47. **" Propose Data Mining Ar-Ga Model To Advance Crime Analysis",** Emad K. Jabar, Soukaena H. Hashem And Enas M. Hussein, *Iosr Journal Of Computer Engineering (Iosr-Jce) E-Issn: 2278-0661, P-Issn: 2278-8727volume 14, Issue 5 (Sep. - Oct. 2013), Pp 38-45 Www.Iosrjournals.Org.*

48. **"Proposal To Enhance Ara Using Congestion Control And Simulating Annealing"**, Soukaena H. Hashem And Eelaf Zuhair, International Journal Of Computational Intelligence Techniques , Issn: 0976-0466 & E-Issn: 0976-0474, Volume 4, Issue 1, 2013, Pp.-122-126. Available Online At Http://Www.Bioinfopublication.Org/Jouarchive.Php?Opt=&Jouid=Bpj0000221

49. *"Enhance Criminal Investigation By Proposed Fingerprint Recognition System",* Soukaena H. Hashem, Abeer T. Maolod, Anmar A. Mohammad, Madinat Alelem Journal Vol. 7, No. 1, 2014.

50. *"Propose Integrated Wire/Wireless Network Intrusion Detection System",* Soukaena Hassan Hashem, Ijccce Vol. X, No. Y, 2014.

51. "*Advance Acs Using Chaos Searching Technique (Case Study: Acs-Based Network Routing Algorithms)",* Soukaena Hassan Hashem, Khrbala University Journal Vol. , No. , 2014.

52. "*A Sketch Based Image Retrieval: A Review of Literature*", Huda Abdulaali Abdulbaqi, Ghazali Sulong And Soukaena Hassan Hashem, Journal Of Theoretical And Applied Information Technology, 10th May 2014. Vol. 63 No.1.

53. "**Design And Implement Proposed Crime Analysis Using Modified Association Rule",** Emad K. Jabar, Soukaena H. Hashem And Enas Mohammad, *Iraqi Association Of Information Technology, 2015*.

54. "*Propose Data Mining System to Advance E-Learning Over Online Social Network (Facebook)",* Soukaena Hassan Hashem and Saraa Moafq Saleh, Eng. &Tech. Journal. Vol. , Part (B), No. , 2015.

55. *"Propose Hybrid Knn-Id3 For Diabetes Diagnosis System"*, Soukaena Hassan Hashem And Ahlam Rishid, International Journal Of Scientific And Engineering Research (Ijser), *2014.*

56. *"Propose Hybrid Knn-(Tnb/Mnb) For Diabetes Diagnosis System"*, Soukaena Hassan Hashem And Ahlam Rishid, International Journal Of Scientific And Engineering Research (Ijser), *2014.*

57. "*Proposal to Enhance NIDS"*, soukaena Hassan hashem, Khrbala University Journal Vol. , No. , 2015.

58. "*A Proposal to Modulate ACS (Case study: Clustering Ionosphere database using* FCM)", soukaena Hassan hashem, Khrbala University Journal Vol. , No. , 2015.

59. *"Enhance SHA-1 for building secure system to transfer voice file",* soukaena Hassan hashem, Al_Mustansiriya Journal Sciences, Vol. , No. , 2016.

60. *"Proposed Modifications on RC4 Algorithm by increasing randomization",* soukaena Hassan hashem and ayman bashar, journal Of Al- Rafidain University College for Science, No. , 2017. Baghdad, Iraq.

61. ***"Propose Hybrid ACO and NB to Enhance Spam Filtering System",*** soukaena Hassan hashem and huda adel, Eng. &Tech. Journal, Vol.34,Part (B), No.2,2016.

62. ***"Strength Naïve Bayesian Spam Filtering Using IG and ACS"***, soukaena Hassan hashem and huda adel, المجلة العراقية للعلوم / مقبول للنشر / جامعه بغداد

63. ***"Gabor-based Fingerprint Authentication For Anti-phishing System",*** soukaena Hassan hashem, rehab fleih and raja khdim, Eng. &Tech.Journal, Eng. &Tech. Journal, Vol.34,Part (B), No.2,2016.

64. ***"Propose Hybrid Fingerprint, Image Fusion and Visual Cryptography Techniques for Anti-Phishing",*** soukaena Hassan hashem, rehab fleih and raja khdim, journal Of Al- Rafidain University College for Science, No. , 2017. Baghdad, Iraq.

65. ***"Propose Image Captcha System"***, soukaena Hassan hashem, rehab fleih and rajaa khdim, Al-Mansour Journal/ Issue (26) 2016.

66. ***"Image Fusion-based Fingerprint Authentication System",*** soukaena Hassan hashem, rehab fleih and raja khdim, Khrbala University Journal Vol. , No. , 2017.

67. ***"Web page retrieval by using proposed focus crawler",*** Journal of Al-Nahrain University Vol.19 (2), June, 2016, pp.154-164

68. ***"Sustainable Development: Proposing Cloud Computing Framework for Higher Education Ministry (HEM) in Iraq"***, Amman Arab University, International Computer Sciences and Informatics Conference, (ICSIC 2016), January 12-13, 2016, Amman, Jordan.

69. ***"Review Study among Traditional LSB, Proposed Modified LSB and DWT Steganography Algorithm",*** Soukaena H. Hashem and Eman Taleb Zghaer, Al-Mansour Journal/ Issue (26), 2016.

70. ***"Proposed Ant Colony Optimization (ACO) for Steganography",*** Soukaena H. Hashem and Eman Taleb Zghaer**,** Eng. &Tech. Journal, Vol. ,Part (B), No. , 2017.

71. ***"Denial of Service Intrusion Detection System (NIDS) Based on Naïve Bayes Classifier using NSL KDD and KDD Cup 99 Datasets",*** Soukaena H. hashem and Hafsa Adil,

72. ***"Network Intrusion Detection System (NIDS) in Cloud Environment based on Hidden Naïve Bayes Multiclass Classifier",*** Soukaena H. hashem and Hafsa Adil,

73. ***"Propose NB/HNB Classifiers to Build NIDS in Cloud Network"***, Soukaena H. hashem and Hafsa Adil, Eng. &Tech. Journal, Vol. , Part (B), No. , 2017.

74. ***"Proposed Network Intrusion Detection System Based on Fuzzy c Mean Algorithm in Cloud Computing Environment",*** Soukaena Hassan Hashim and shawq malik mehibs,

75. ***"Proposed Network intrusion detection system in cloud environment based on back propagation neural network",*** Soukaena Hassan Hashim and shawq malik mehibs,

76. **"إطار عمل مقترح لاختيار كلمات المرور"**, ا. د. علاء الحمامي و سكينة حسن هاشم, مجلة ابحاث الحاسوب, المجلد السابع, العدد الثاني, 2003, مجلة تصدرها الامانة العامة لاتحاد مجالس البحث العلمي العربية.

Conferences, Workshop and Scientific Research Missions ………..

- 2Nd International Conference For Computers And Informatics, 2003. Iraqi Commission For Computers And Informatics

- Scientific Conference Of The Faculty Of Mesopotamia 2004

- The 2006 International Conference On E-Learning, E-Bussiness, Enterprise Information System, E-Government. (Eee '06: June 26-29, 2006, Lasvegas, Usa).

- First National Technology Symposium (Nits 2006), King Saud University, Kingdom Of Arabian Saudi, 5-7 February, 2006 .

- 2Nd International Conference On Information And Communication Technology. 5 And 6 December, 2004, (Icict 2004, Egypt In Cairo .(

- The 3rd International Conference On Information And Communication Technology (Icict2005), Cairo, Egypt, December 2005 .

- First National Information Technology Symposium (Nits 2006), Bridging The Digital Divide: Challenge And Solutions, King Saud University, Riyadh, Kingdom Of Saudi Arabia, 5-7 Feb 2006 .

- Ictta '06 .

- First National Information Technology Symposium (Nits 2006) Bridging The Digital Divide: Challenge And Solutions, King Saud University, Riyadh, Kingdom Of Saudi Arabia, 5-7 Feb 2006 .

- 2Nd Jorn International Conference On Computer Science And Engineering (Jiccse 2006), 5-7 December, 2006 .

- Worldcomp'08 July 14-17, 2008 Monte Carlo Resort Las Vegas Nevada, Usa .

- Fourth International Conference On Intelligent Computing And Information System (Icicis 2009), Cairo, Egypt, March 19-22, 2009 .

- Isiict 2009, Third International Symposium On Innovation In Information & Communication Technology, 15 - 17 December, 2009, Philadelphia University, Amman, Jordan, Http://Www.Philadelphia.Edu.Jo/Isiict2009

- The First Scientific Conference Of The Department Of Computer Science University Of Technology 10 To 11 February 2010

- The First Scientific Conference Department Of Computer Science University Of Mustansiriya 1 To 2 February 2010

- Scientific Conference Of The Nineteenth Faculty Of Education, University Of Mustansiriya 25-26- Month Maes 2012

- Nanotechnology Conference University Of Technology 2012-02-13

- Mobile Security, Seminar In Conference Hall In Computer Sciences Department/ University Of Technology, 2013

- Training Of Cadres For One Month In China In 2012