

RESEARCH INTERESTS

- Expert Systems
- Intelligent Systems
- Search Engine
- Computational Linguistics
- Software Engineering
- Computer Security
- Machine Learning

ACADEMIC EXPERIENCE

1- SPECIALIZED ADVANCED COURSES

- 1998-2005 "Advanced Topics in AI and Expert systems", Ph.D. and M.Sc courses,
University of Baghdad Iraq, University of Technology Baghdad-Iraq,
University of Al-Nahrain, Baghdad-Iraq
- 2002-2005 "Distributed Systems", M.Sc. course, University of Babel Hila-Iraq.
- 2006- "Machine Learning", M.Sc. course University of Philadelphia, Jordan.

2- GRADUATE COURSES

1989-Present

- Artificial Intelligence.
- Expert Systems.
- Data Structures.
- Computer Graphics.
- Prolog.
- Software Design.
- Operating Systems.
- Information Retrieval, Hypermedia and Web..
- Computer Organization and Architecture.
- Multimedia Software Engineering.
- Internet Technology.
- HTML & ASP programming.
- Information Systems Development

3- Ph.D. THESIS SUPERVISION

- 1- Suhad Mal-Alaha, "Design a Machine Translation System from Arabic To English", University of Technology, Iraq, (2003).
- 2- Lina Khalid, "Com & N-Tier Technology For Distributed Data Base Applications",
University of Technology, Iraq, (2004)
3. Rasha Shaker, "Intrusion Detection System Based On Mining Techniques",
University of Technology, Iraq, (2006).
- 4- Ban Amer, "Network Adaptive Security System",
University of Technology, Iraq, (2006).
- 5- Rana Farid, "Quantum Computing System",
University of Technology, Iraq, (2007).
- 6- Abeer Hashim, "Adaptive System for Software Performance",
University of Technology, Iraq, (2006).
- 7- Jamal Fadhil, "Design & Implementation of Semantic Web Site",
University of Technology, Iraq, (2006).
- 8- Abdul Karim Mirhij, "Machine Learning System for Natural Language Understanding", University of Technology, Iraq, (2006).
- 9- Yahia Mahdi, "Arabic Speech Synthesis in Machine Learning Areas",
Informatics Institute for Postgraduate Studies, Iraq, (2006).
- 10- Shiamaa Awad, "Mining Web Sites", Informatics Institute For
Postgraduate Studies, Iraq, To Be Submitted (2007).
- 11- Bushra Kharbit, "Intelligent Agent For Knowledge Discovery",
Informatics Institute For Postgraduate Studies, Iraq, (2006).
- 12- Samir Said, "Proposal Emulation Algorithm For Quantum Public Key",
Informatics Institute for Postgraduate Studies, Iraq, (2006).
- 13- Uday Adnan, "Computer Security Using Petri Net Technique",
Informatics Institute For Postgraduate Studies, Iraq, (2007).
- 14- Amar Falih, "Intelligent Agent For Searching The Internet", Informatics
Institute For Postgraduate Studies, Iraq, (2007).
- 15- Lamia Abdul Noor, "Learning By Mining Relational Data Base",
Informatics Institute For Postgraduate Studies, Iraq, To Be Submitted
(2007).
- 16- Abdul Satar A. Baki, "Expert System For Design And Analysis Domain",
Al-Mustansiriya University, Iraq (2001).
- 17- Rajhan A. Khalil, "Human Aided Machine Translation System For
Interrogative Sentences From English To Arabic", Al-Mustansiriya
University, Iraq (2001).

3- M.Sc. THESIS SUPERVISION

- 1- Baydaa Taha, "Design Of Expert System For Diagnosing Heart Diseases", University of Technology, Iraq, (1999).
- 2- Lina Khalid, "Object Oriented Technique For Space Allocation", University of Technology, Iraq, (2000).
- 3- Hind Emad, "Design An Interactive Graphical Knowledge Base", University of Technology, Iraq, (2001).
- 4- Khelud Muhamed, "Recognition Of Arabic Hand Written Using Neural Network" University of Technology, Iraq, (2001).
- 5- Laith Razuki, "Recognition Of Arabic Style Using Neural Network", University of Technology, Iraq, (2000).
- 6- Sulaf A. Karim, "Genetic Based Machine Learning For Robot Path Finding" University of Technology, Iraq, (2000).
- 7- Anwar Ali, "A Comparison Study For Pattern Recognition With Cellular Automata Using Genetic Algorithm And Genetic Programming", University of Technology, Iraq, (2000).
- 8- Amaal Hanash, "Agent Based System For Monitoring a LAN Environment" University of Technology, Iraq, (2002).
- 9- Salima Rahim, "Genetic Based Fuzzy Logic Controlling For Second Order System" University of Technology, Iraq, (2002).
- 10- Ahmed Al-Ataab, "Speaker Recognition Using Cellular Automata" University of Technology, Iraq, (2002).
- 11- Samir Said, "Key Stream Generation Using Cellular Automata" University of Technology, Iraq, (2001).
- 12- Reem Faik, "Design Secure FAT32-File System For Windows Operating System" University of Technology, Iraq, (2003).
- 13- Saja Kamil, "Comparative Study Of Security Features In Hubs" University of Technology, Iraq, (2003).
- 14- Raghad Muhamed, "Design And Implementation Of Secured E-mail System" University of Technology, Iraq, (2003).
- 15- Noor Ghazi, "Comparative Study In Security Aspects Between Windows98 And Windows NT", University of Technology, Iraq, (2003).
- 16- Muhamed Nadom, "Security System Of Distributed Data Base Using SQL Server" University of Technology, Iraq, (2004).
- 17- Sawsan Sahib, "Low Level Security System" University of Technology, Iraq, (2005).
- 18- Israa Tahseen, "Optimal Ranking System For Internet Search Engine" University of Technology, Iraq, (2005).
- 19- Abeer Tarik, "Knowledge Based Building For e-Commerce Application" University of Technology, Iraq, (2005).
- 20- Najwa Fadhil, "Robot Path Finding Using Q-Learning" University of Technology, Iraq, (2005).
- 21-A. Karim Uгла, "Stream Cipher Analysis Using Genetic Technique" Informatics Institute for Postgraduate Studies, Iraq, (2001).

- 22- Emad Iessa, "Learning Neural Network Using Genetic Algorithms"
Informatics Institute for Postgraduate Studies, Iraq, (2001).
- 23- Emad Kadom, "Image Recognition For Telephone Exchange Counter"
Informatics Institute for Postgraduate Studies, Iraq, (2001).
- 24- Adel Muhamed, "Path Planning In Dynamic Environment"
Informatics Institute for Postgraduate Studies, Iraq, (2001).
- 25- Sawsan Fakhri, "Machine Learning: Multi strategies Approach",
Informatics Institute for Postgraduate Studies, Iraq, (2001).
- 26- Anmar Fadhil, "Design And Implementation Of Firewall To Protect
Internet Web Site", Informatics Institute For Postgraduate Studies, Iraq,
(2002).
- 27- Ahmed Bahaa Al-Dean, "Web Data Processing Using SQL Server"
Informatics Institute for Postgraduate Studies, Iraq, (2004).
- 28- Ali Hussan, "Design and Implementation Of Packet Filtering Firewall"
Informatics Institute for Postgraduate Studies, Iraq, (2005).
- 29- Ali Fawzi, "Design and Implementation Of Interface Security System For
a LAN", Informatics Institute For Postgraduate Studies, Iraq, (2004).
- 30- Abeer Saleem, "Systematic Software Testing Strategies"
Informatics Institute for Postgraduate Studies, Iraq, (2004).
- 31- Aamina A. Razak, "Data Cube Design Using SQL Server"
Informatics Institute for Postgraduate Studies, Iraq, (2004).
- 32- Hader Rashid, "Neural Network Based For Face Recognition System"
Informatics Institute for Postgraduate Studies, Iraq, (2005).
- 33- Nather Nadom, "Multi Level Security Of SQL Server"
Informatics Institute for Postgraduate Studies, Iraq, (2005).
- 34- Nuha Sami, "Information Hiding Analysis Using Graphics Technology"
Informatics Institute for Postgraduate Studies, Iraq, (2004).
- 35- Umer Monther, "Path Finding Using A* Algorithm"
Informatics Institute for Postgraduate Studies, Iraq, (2005).
- 36- Umer Ziad, "A Method for Protecting Software Distribution Through
Network" Informatics Institute for Postgraduate Studies, Iraq, (2004).
- 37- Ali Ridaa, "Copyright Watermarking For Portable Executable Files"
Informatics Institute for Postgraduate Studies, Iraq, (2004).
- 38- Maha Ali, "Intelligent Security System For Computer Network"
Informatics Institute for Postgraduate Studies, Iraq, (2005).
- 39- Eihab Ahmed, "Design Search Engine For Internet Browsing"
University of Al-Nahrain Baghdad-Iraq, (2004).
- 40- Zena A. Razak, "Symbolic Learning System for Natural Language
Understanding", University of Al-Nahrain Baghdad-Iraq, (2005).
- 42- Tayseer Al-Jadeer, "Software Engineering Specification for Dynamic Web
Site" University of Al-Nahrain Baghdad-Iraq, (2006).
- 43- Jalil Naser, "Machine Translation System for Sentence from English to
Arabic" Al-Mustansiriya University, Iraq (2003).
- 44- Ahmed A. Hussain, "The Role of Expert System in Strategic Planning"
Al-Kufa University, Iraq (2002).

- 45- Abd Al-Salam Abu-Oaada, "Character Recognition System of Different Arabic Style", PhiladelphiaUniversity, Jourdan, (2008).
- 46- Hisham Khalell Jalabneh, "Enhancement of Weight Calculation in Ranking of Internet Search engines.", PhiladelphiaUniversity, Jourdan, (2008).
- 47- Tariq Bassam Dweik, "Source Code Mining for Component-based Entity-centric Templates Extraction", PhiladelphiaUniversity, Jourdan, (2008).

4- PUBLICATION:

- 1- Moayad A. Fadhil, "Enhancement Of Ranking And Query Optimizer In Internet Search Engine", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2005).
- 2- Moayad A. Fadhil, Jamal F. Twafeq, and Radshid Al-Zubaidy, "A Knowledge Representation Language For Semantic Web Using Recourse Description Freamework", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2005).
- 3- Moayad A. Fadhil, H. Yousif, and Y. Mahdi, "Text To Speech Synthesis State Of Art", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2005).
- 4- Moayad A. Fadhil, and Abeer Saleem, "Systematic Software Testing Strategies", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2005).
- 5- Moayad A. Fadhil, and Noor Ghazi, "A Secure File Sharing For Sharing Vulnerability In Windows 9x And Me", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2004).
- 6- Moayad A. Fadhil, and Raghad Muhamed, "Design A Secured E-mail System", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2003).
- 7- Moayad A. Fadhil, and Saja Kamel, "Software Package Foe Hub Selection In LAN's", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2003).
- 8- Moayad A. Fadhil, and Abbas Fadhil, and Uday Adnan, "Comparative Study Between Petri Nets And Coloured Petri Nets", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2003).
- 9- Moayad A. Fadhil, and Sammer Saeed, "2-Dimensional Cellular Automata", 2nd National Conference For Computer And Informatics-Intelligent Systems, (2003), ((10-15).
- 10- Moayad A. Fadhil, and Anmar Fahdil, "Design And Implementation Of Firewall To Protect Internet Web Site", 2nd National Conference For Computer And Informatics-Intelligent Systems, (2003), (16-24).
- 11- Moayad A. Fadhil, and, Aladdin Jamel, and Ahmed Al-Attab, "Speaker Recognition System Using Cellular Automata", 2nd National Conference For Computer And Informatics-Intelligent Systems, (2003), (225-247).

- 12- Moayad A. Fadhil, and Sammer Saeed, "Key Stream Generation Using Cellular Automata ", 2nd National Conference For Computer Security-Iraqi Computer Society, March(2002).
- 13- Moayad A. Fadhil, and K. Uglu, "Cipher Text Only Attack Using Composite Genetic Technique", 1st National Conference For Computer Security-Iraqi Computer Society, March (2001).
- 14- Moayad A. Fadhil, and Su;af A. Karim, "Learning Classifier System For Robot Path Finding", Journal Al-Rafidain University College For Sciences, 168-6870 (ISSN)-(2001), Vol. (7), (82-90).
- 15- Moayad A. Fadhil, and F. Fuzi, "Design An Expert System For Fault Detection In Telecommunication Networks", Conference Of Informatics And Software Industries Al-Hadba University College, March (2000).
- 16- Moayad A. Fadhil, "Design And Implementation Of Efficiency Evaluating System For Banking Branches", 2nd Scientific Conference Baghdad College of Economic University, April (2003).
- 17- Moayad A. Fadhil, "Data Structure Design of Lexicon for Machine Translation From English TO Arabic", Computer Research Journal – The Arab Union Of Research Councils, Vol. (4), No. (1), (2000), (34-61).
- 18- Moayad A. Fadhil, and Uday Aswad, "Object Oriented Programming for Interior Decoration", Journal Of Computer, NCC, No. (38), (1999).
- 19- Majed Al-Najar, S. A. Mahdi, M. Naaman, and Moayad A. Fadhil, "Machine Translation from English To Arabic: Lexical And Syntactical Transformation Across The Two Languages", Al-Mutansiriya University Arts Journal, (1996).
- 20- S. A. Mahdi, M. Naaman, and Moayad A. Fadhil, "Arabic Computational Linguistic – A Survey of Postgraduates Dissertations in Iraqi University", Computer Research Journal – The Arab Union of Research Councils, No. (0), (1996), (71-88).
- 21- A. Al-Hamami, and Moayad A. Fadhil, "Design and Implementation of Data Base Integrity System", 1st Scientific Conference of Al-Rafidain University College, March (1995).