

Academic Resume



Mohammed Alhaddad

Professor, Information Technology Department

My experience in working in totally different environments backgrounds, cultures and languages, have provided me with excellent inter-personal skills and the ability to communicate effectively and intelligibly and adapt to new environments quickly and easily. attending a training courses in Leadership Management (Strategic, Motivation and Personal Productivity) have developed a character that is more determined to succeed in every step of the the way and led me to handle multi-task job.

Contact Information.

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Highest Degree.

2006, Ph.D. in Computer Science, Distributed Database Systems, University of Essex, UK.

Academic and Professional Experiences.

1. **2012 - present**
Associated Professor, Department of Computer Science, King Abdul-Aziz University.
2. **2012 - present**
Member of the University Recruitment committee, KSA, King Abdulaziz University.
3. **2009 - Present**
Chairman, Jeddah, Social Committee, in King Abdulaziz University .
4. **2009 - Present**
Consultant, Mecca, Ministry of the Interior at Emirate Mecca.
5. **2009 - 2010**
Chairman, IT Department, Faculty of Computing and Information Technology, King Abdulaziz Uninversity .
6. **2008 - present**
Member of Recruitment Committee at Computer Science & IT Collage, KSA, .
7. **2008 - present**
Head of "Academic Accreditation Committee", KSA, .
8. **2008 - Present**
Chairmen , Computing and IT Club, Faculty of Computing and Information Technology, King Abdulaziz Uninversity .
9. **2008 - 2008**
Participating in organizing the "5th Pan Arab Association of Oral andMaxillofacial Surgeons Conference", KSA, King Fahd Hospital.
10. **2008 - 2008**
Designation speaker in "Healthcare IT & PACS Course", KSA, Radiological Society.

Academic and Professional Experiences.

11. **2008 - 2008**
Designation Speaker, Healthcare IT & PACS Course, Radiological Society of Saudi Arabia, Jeddah, KSA.
12. **2007 - present**
Member of the ISO9000-2000 committee, KSA, .
13. **2007 - present**
Consultant (part time) in Ministry of Pilgrimage, KSA, .
14. **2007 - present**
Member of “National Science and Technology Plan for Information Technology, KSA, .
15. **2007 - present**
Supervise the Sport Activities committee at Computer Science and information Technology, KSA, .
16. **2007 - 2007**
Associate in planning the Strategy at Computer Science and information Technology Collage, with the Dean of the collage, KSA, .
17. **2007 - 2007**
Organizing a conference “Islam: A Moderate Religion”,, UK, Essex University.
18. **2006 - present**
Assistant Professor, Department of Computer Science, KSA, King Abdul-Aziz University.
19. **2006 - 2007**
Assistant Operation Manager, in the airport, KSA, .
20. **2005 - 2005**
Organizing a conference “Libration of the Soul”, UK, Essex University.
21. **2004 - 2004**
International Program Committee Member of Parallel Processing Letter PPL Journal. PPL 2004, Canada, Queen’s University.
22. **2003 - 2006**
Graduate Teaching Assistant, teaching some courses at Essex University, UK, .
23. **2003 - 2003**
International Program Committee Member of the 7th World Multi-Conference on Systemic, USA, Cybernetics and Informatics.
24. **2002 - 2002**
International Program Committee Member of the 6th World Multi-Conference on Systemic, Cybernetics and Informatics. SCI2001, USA, .
25. **2001 - 2001**
International Program Committee Member of the 5th World Multi-Conference on Systemic, Cybernetics and Informatics, USA, .
26. **1991 - 1994**
Teaching Assistant, Department of Computer Science, Science Collage, King Abdul-Aziz University, Jeddah, Saudi Arabia.
27. **1991 - 1994**
Teaching Assistant (Department of Computer Science, Science Collage, KSA, KAU.
28. **1990 - 1991**
Assistant Manger in Computer Center at National Commercial Bank, KSA, NCB.

Research Interests.

Brain Computer Interface, network & Datamining, Data Science, IT Strategy & Business Strategy, Artificial Intelligence.

Teaching Interests.

TCP/IP Advance Program, IT strategy & Management, Distributed System, Networking, Software Engineer, Database Management System.

Certifications and Trainings.

1. Effective Strategic Leadership.
2. Effective Motivation Leadership.
3. Effective Personal Productivity.
4. Models for Success in Allocation of National Research Resources Workshop.
5. Leadership Role of Department Heads.
6. National Security Plan for the Science and Technology in Kingdom of Saudi Arabia.
7. Development of the excellence and the distinctiveness for members the teaching at King AbdulAziz University.

Social, Scientific and Professional Affiliation.

1. -, Honorary, Lecturer at Essex University.
2. -, Member, International Institute of Informatics and Systemics (IIIS), Florida, USA.
3. -, Paper Reviewer, International Conference on Autonomous and Intelligent Systems.
4. -, Paper Reviewer, The 2012 IEEE World Congress on Computational Intelligence (IEEE WCCI 2012).
5. -, Paper Reviewer, Project, King Fahd University of Petroleum & Minerals. Deanship of Scientific Research.
6. -, Member, Association for Computer Machinery ACM.
7. -, Member, Member of Institute of Electronics and Electrical Engineers..
8. -, Member, Member of Saudi Computer Society..
9. 2012-2017, Visiting Professor, at Universiti Teknologi Malaysia,.

Excellence Awards and Patents.

1. 2018, International, US 2018 / 0308377 A1 (Name of the Patent: Mixed-Reality System)
2. 2014, International, Honorary Lecturer at Essex University
3. 2015, International, Number of the Patent: GB1517101.0 (Name of the Patent: Mixed-Reality System)

Funded Projects.

1. 2013, Design and Implementation of an Unsupervised Adaptive Motor Imagery Brain Computer Interface Controlled Robotic Assistant for Quadriplegic People, King Abdulaziz City for Science and Technology KACS, Project number 12-MED3081-03.
2. 2012, Unsupervised Adaptive P300 BCI in the framework of chaotic theory and stochastic theory., King Abdulaziz University, Deanship of Scientific Research DSR, project number (16- 15 / 32).
3. 2010, Design and Impalement of Brain Computer Interface BCI for Communication and Control, King Abdulaziz City for Science and Technology KACS, Fund 1,662,798 sr by King Abdulaziz City for Science and Technology KACS.
4. 2011, The Development of Classifier Ensembles for Intrusion Detection in Network Security, King Abdulaziz University, project number 27- 005 / 430..

5. 2016, Methods of detecting hidden information using neural networks, King Abdulaziz University, Funded by King Abdulaziz University, Deanship of Scientific Research DSR, project number 1437-611-481..

Publications.

1. Alhaddad Mohammed, "Exploring Lstm With Cnn Based Image Steganalysis", Journal Of Visual Communication And Image Representation, 2024.
2. Prof. M Alhaddad , Doaa A. Shehab, "Comprehensive Survey Of Multimedia Steganalysis: Techniques, Evaluations, And Trends In Future Research", 14(1), 2022.
3. Ghadah Aldabbagh, Daniyal M. Alghazzawi, Syed Hamid Hasan, Mohammed Alhaddad, Areej Malibari, Li Cheng, "Secure Data Exchange In M-Learning Platform Using Adaptive Tunicate Slime-Mold-Based Hybrid Optimal Elliptic Curve Cryptography", 11(12), 2021.
4. • Daniyal M. Alghazzawi, Syed Hamid Hasan, Ghadah Aldabbagh, Mohammed Alhaddad, Areej Malibari, Muhammad Zubair Asghar, Hanan Aljuaid, "Development Of Platform Independent Mobile Learning Tool In Saudi Universities", 13, 2021.
5. Mohammed J. Alhaddad, Monagi H. Alkinani Salem Atoum, Alaa Abdulsalm Alarood, "Evolutionary Detection Accuracy Of Secret Data In Audio Steganography For Securing 5g-Enabled Internet Of Things", 12(12), 2021.
6. Prof. M Alhaddad, "Optimal Learning Behavior Prediction System Based On Cognitive Style Using Adaptive Optimization-Based Neural Network", 2020, 2020.
7. Mohammed J. Alhaddad, Monagi H. Alkinani, Mohammed Salem Atoum, Alaa Abdulsalm Alarood, "Evolutionary Detection Accuracy Of Secret Data In Audio Steganography For Securing 5g-Enabled Internet Of Things", Symmetry, vol: 12, pp. 2071, 2020.
DOI: [10.3390/sym12122071](https://doi.org/10.3390/sym12122071)
8. Mohammed J. Alhaddad, Mahmoud I. Kamel, Yasser M. Kadah, "Investigation Of New Unsupervised Processing Methods For P300-Based Brain-Computer Interface", Journal Of Medical Imaging And Health Informatics, 2017.
9. Alhaddad J. Mohammed, "Spectral Subtraction Denoising Preprocessing Block To Improve P300-Based Brain-Computer Interfacing", Biomedical Engineering, 2017.
10. Khaled Sayed, Mahmoud Kamel, Mohammed Alhaddad, Hussein M. Malibary, Yasser M. Kadah, "Extracting Phase Space Morphological Features For Electroencephalogram-Based Brain-Computer Interface", Journal Of Medical Imaging And Health Informatics, vol: 7, pp. 771-774, 2017.
DOI: [10.1166/jmhi.2017.2078771](https://doi.org/10.1166/jmhi.2017.2078771)
11. Khaled Sayed, Mahmoud Kamel, Mohammed Alhaddad, Hussein M. Malibary, Yasser M. Kadah, "Characterization Of Phase Space Trajectories For Brain-Computer Interface", Biomedical Signal Processing And Control, vol: 38, pp. 55-66, 2017.
DOI: [10.1016/j.bspc.2017.05.007](https://doi.org/10.1016/j.bspc.2017.05.007)
12. Bo Yao, Hani Hagra, Mohammed J. Alhaddad, Daniyal Alghazzawi, "A Fuzzy Logic-Based System For The Automation Of Human Behavior Recognition Using Machine Vision In Intelligent Environments", Soft Computing, vol: 19, pp. 499-506, 2014.
DOI: [10.1007/s00500-014-1270-4](https://doi.org/10.1007/s00500-014-1270-4)
13. Mohammed Alhaddad, "Using Mixed-Reality To Develop Smart Environments", 2014 International Conference On, pp. 182-189, 2014.
DOI: [10.1109/IE.2014.34](https://doi.org/10.1109/IE.2014.34)
14. Bo Yao, Hani Hagra, Daniyal Alghazzawi, Mohammed J. Alhaddad, "A Type-2 Fuzzy Logic Based System For Linguistic Summarization Of Video Monitoring In Indoor Intelligent Environments", 2014 Ieee International Conference On Fuzzy Systems (Fuzz-Ieee), pp. 825-833, 2014.
DOI: [10.1109/FUZZ-IEEE.2014.6891699](https://doi.org/10.1109/FUZZ-IEEE.2014.6891699)
15. Anasol Pena Rios, Vic Callaghan, Michael Gardner, Mohammed J. Alhaddad, "Interactions Within Distributed Mixed Reality Collaborative Environments", 2014 International Conference On Intelligent Environments (Ie), pp. 382-383, 2014.
DOI: [10.1109/IE.2014.66](https://doi.org/10.1109/IE.2014.66)

Publications.

16. Aysenur Bilgin, Hani Hagra, Shreyas Upasane, Areej Malibari, Mohammed J. Alhaddad, Daniyal Alghazzawi, "An Adaptive Ambient Intelligent Platform For Recommending Recipes Using Computing With Words", 2014 International Conference On Intelligent Environments (Ie), pp. 372-373, 2014.
DOI: [10.1109/IE.2014.57](https://doi.org/10.1109/IE.2014.57)
17. Mohammed Alhaddad, "A Fuzzy Logic-Based System For The Automation Of Human Behaviour Recognition Using Machine Vision In Intelligent Environments", , 2014.
18. Mohammed J. Alhaddad, Ahmed Mohammed, Mahmoud Kamel, Hani Hagra, "A Genetic Interval Type-2 Fuzzy Logic-Based Approach For Generating Interpretable Linguistic Models For The Brain P300 Phenomena Recorded Via Brain???Computer Interfaces", Soft Computing, vol: 19, pp. 1019-1035, 2014.
DOI: [10.1007/s00500-014-1312-y](https://doi.org/10.1007/s00500-014-1312-y)
19. Mohammed J Alhaddad, Mahmoud I Kamel, Meena M Makary, Hani Harg, Yasser M Kadah, "Spectral Subtraction Denoising Preprocessing Block To Improve P300-Based Brain-Computer Interfacing", Biomedical Engineering Online, vol: 13, pp. 36, 2014.
DOI: [10.1186/1475-925X-13-36](https://doi.org/10.1186/1475-925X-13-36)
20. Mohammed J. Alhaddad, Mahmoud I. Kamel, Yasser M. Kadah, "Investigation Of New Unsupervised Processing Methods For P300-Based Brain-Computer Interface", Journal Of Medical Imaging And Health Informatics, vol: 4, pp. 363-369, 2014.
DOI: [10.1166/jmihi.2014.1267](https://doi.org/10.1166/jmihi.2014.1267)
21. Aysenur Bilgin, Hani Hagra, Areej Malibari, Daniyal Alghazzawi, J. Mohammed, "A Computing With Words Framework For Ambient Intelligence", 2013 Ieee International Conference On Systems, Man And Cybernetics (Smc 2013), pp. 2887-2892, 2013.
DOI: [10.1109/SMC.2013.492](https://doi.org/10.1109/SMC.2013.492)
22. Bo Yao, Hani Hagra, Daniyal Alghazzawi, Mohammed J. Alhaddad, "A Big Bang-Big Crunch Optimization For A Type-2 Fuzzy Logic Based Human Behaviour Recognition System In Intelligent Environments", 2013 Ieee International Conference On Systems, Man And Cybernetics (Smc 2013), pp. 2880-2886, 2013.
DOI: [10.1109/SMC.2013.491](https://doi.org/10.1109/SMC.2013.491)
23. Bo Yao, Hani Hagra, Daniyal Alghazzawi, Mohammed J. Alhaddad, "A Type-2 Fuzzy Logic Machine Vision Based Approach For Human Behaviour Recognition In Intelligent Environments", 2013 Ieee International Conference On Fuzzy Systems (Fuzz-Ieee), pp. 1-8, 2013.
DOI: [10.1109/FUZZ-IEEE.2013.6622337](https://doi.org/10.1109/FUZZ-IEEE.2013.6622337)
24. Aysenur Bilgin, Hani Hagra, Areej Malibari, Mohammed J. Alhaddad, Daniyal Alghazzawi, "An Experience Based Linear General Type-2 Fuzzy Logic Approach For Computing With Words", 2013 Ieee International Conference On Fuzzy Systems (Fuzz-Ieee), pp. 1-8, 2013.
DOI: [10.1109/FUZZ-IEEE.2013.6622373](https://doi.org/10.1109/FUZZ-IEEE.2013.6622373)
25. Mohammed Alhaddad, Mahmoud Kamel, Dalal Bakheet, "Quran Player Based On Brain Computer Interface", , 2013.
26. Mohammed Alhaddad, Mahmoud Kamel, Ahmed Mohammed, "A Genetic Interval Type-2 Fuzzy Logic Based Approach For Generating Interpretable Linguistic Models For The Brain P300 Phenomena Recorded Via Brain Computer Interfaces", , 2013.
27. Mohammed Alhaddad, Mahmoud Kamel, Noura Al-Otaibi, "Toward An Adaptive P300 Based Brain Computer Interface", , 2013.
28. Mohammed Alhaddad, Mahmoud Kamel, Dalal Bakheet, "P300-Brain Computer Interface Based On Ordinal Analysis Of Time Series", , 2013.
29. Mohammed Alhaddad, Mahmoud Kamel, Al-Otaibi, N, M, "Comparative Study Of Data Fusion Algorithms In P300 Based Bci", , 2013.

Publications.

30. Mohammed Alhaddad, "A Study Of Digital Mammograms By Using Clustering Algorithms", , vol: 71/9, pp. 594-600, 2012.
31. Mohammed Alhaddad, "Online Signature Verification Using Probablistic Modeling And Neural Network", Engineering And Technology (S-Cet), pp. 1-5, 2012.
DOI: [10.1109/SCET.2012.6342149](https://doi.org/10.1109/SCET.2012.6342149)
32. Mohammed Alhaddad, "Remote Mixed Reality Collaborative Laboratory Activities: Learning Activities Within The Interreality Portal", Web Intelligence And Intelligent Agent Technology, pp. 362-366, 2012.
DOI: [10.1109/WI-IAT.2012.43](https://doi.org/10.1109/WI-IAT.2012.43)
33. Mohammed Alhaddad, "Diagnosis Autism By Fisher Linear Discriminant Analysis Flda Via Eeg", , pp. 45-53, 2012.
34. Mahmoud Kamel, Mohammed Alhaddad, Hussein M. Malibary, Khalid Thabit, Foud Dahlwi, Ebtehal Alsaggaf, Anas A. Hadi, "Eeg Based Autism Diagnosis Using Regularized Fisher Linear Discriminant Analysis", , vol: Vol.4, No.3, 2012.
35. Mohammed Alhaddad, Mahmoud Kamel, Hussein M. Malibary, Ebtehal Alsaggaf, Khalid Thabit, Foud Dahlwi, Anas A. Hadi, "Eeg Based Autism Diagnosis Using Fisher Linear Discriminat Analysis", , vol: Vol 3, No 4, 2012.
36. Sami Halawani, Mohammed Alhaddad, "Analysis Of Digital Mammograms By Using Clustering Algorithms", , 2012.
37. Mohammed Alhaddad, Dzulkifli Mohammed, "Hybrid Ear Segmentation Based On Morphological Analysis And Rbf Networks For Unconstrained Ear Image", , vol: 2, No. 2, 2012.
38. 82. Bob Yao, Hani Hagra, Daniyal Alghazzawi and Mohammed Alhaddad, "An Interval Type2 Fuzzy Logic System For Human Silhouette Extraction In Dynamic Environments", International Conference On Autonomous And Intelligent Systems, 2012.
39. A. Pen?A Ri?Os, V. Callaghan, M. Gardner, Mohammed Alhaddad, "Interreality Portal: A Mixed Reality Co-?Creative Intelligent Learning Environment", In Proceedings Of The 1st Workshop On Future Intelligent Educational Environments Conference, 2012.
40. A. Pen?A Ri?Os, V. Callaghan, M. Gardner, Mohammed Alhaddad, "Towards The Next Generation Of Learning Environments: An Interreality Learning Portal And Model", In Proceedings Of The 8th International Conference On Intelligent Environments, 2012.
41. Aysenur Bilgin, James Dooley, Luke Whittington, Hani, Henson, Areej, Wagner, Mohammed Alhaddad, Hani Hagra, Areej Malibari, "Towards A General Type-2 Fuzzy Logic Approach For Computing With Words Using Linear Adjectives", , 2012.
42. Bilgin, Aysenur, James Dooley, Luke Whittington, Hani Hagra, Martin Henson, Christian Wagner, Areej Malibari, Abdullah Al-Ghamdi, Mohammed J. Alhaddad, and Daniyal Alghazzawi, "Dynamic Profile-Selection For Z-Slices Based Type-2 Fuzzy Agents Controlling Multi-User Ambient Intelligent Environments", International Conference On Fuzzy Systems, 2012.
43. Mohammed Alhaddad, Mahmoud Kamel, Hussein Malibary, Anas A. Hadi, "P300 Speller Efficiency With Common Average Reference", International Conference On Autonomous And Intelligent Systems, 2012.
44. Aysenur Bilgin, Hani Hagra, Areej Malibari, Mohammed Alhaddad, and Daniyal Alghazzawi., "A General Type-2 Fuzzy Logic Approach For Adaptive Modeling Of Perceptions For Computing With Words", Annual Workshop On Computational Intelligence Conference, 2012.
45. Mohammed Alhaddad, A. Ahmed, Sami Halawani, Abdulrahman Altalhi, Abdulfattah Mashat, "A Study Of The Modified Kdd 99 Dataset By Using Classifier Ensembles", , vol: 2, No. 5, pp. 961-965, 2012.
46. Dooley, James, Martin Henson, Vic Callaghan, Hani Hagra, Daniyal Al-Ghazzawi, Areej Malibari, Mohammed Al-Haddad, and Abdullah Al-Malaise Al-Ghamdi., "A Formal Model For Space Based Ubiquitous Computing", International Conference On Intelligent Environments, pp. 74-79, 2011.

Publications.

47. Mohammed Alhaddad, "Network Resource (Now) To Remove The Work Load For Deriving Rule For Semantic Query Optimization And Speed Up Answering Queries", , vol: 4, 2009.
48. Mohammed Alhaddad, "Analysis Parallel Query Algorithm Performance And Efficiency By Devoted Networked Workstation", International Symposium On Computer Science And Its Applications,Csa-08, Proceedings Published By Ieee Cs, Hobart, Australia, 2008.
49. Mohammed Alhaddad, "Radio Frequency Identification To Secure Pilgrimages Flow", Information Technology And National Security Conference, 2007.
50. Mohammed Alhaddad, "Cluster Of Dedicated Workstations For: Pqa", 12th World Multi-Conference On Systemics, 2007.
51. Mohammed Alhaddad, Robinson J, Martin Colley, "Method For Measuring The Response Time:Pqa", The 7th World Multi-Conference On Systemics, 2003.
52. Robinson J, Lowden B, Mohammed Alhaddad, "Utilizing Multiple Computers In Database Query Processing And Descriptor Rule Management", , pp. 897, 2003.
53. Mohammed Alhaddad, Martin Colley, "Utilising Networked Workstations To Accelerate Database Queries", The Third Conference Of Phd Students In Computer Science Cscs 2002, Szeged, Hungary, 2002.
54. Mohammed Alhaddad, Robinson J, Colley M, "Extending Database Technology By Expanding Data Servers", The 6th World Multi-Conference On Systemics, Cybernetics And Informatics. Sci2002. Orlando, Florida Usa, 2002.
55. Mohammed Alhaddad, Martin Colley, "Parallel Query Algorithm Performance And Fault Tolerance", Datakon2002 Database Conference,. Czech Republic, 2002.
56. Mohammed Alhaddad, "Utilising Multiple Computers In Database Query Processing And Descriptor Rule Management", , vol: 2113, pp. 897-908, 2001.
57. Robinson J, Lowden B, Mohammed Alhaddad, "Distributing The Derivation And Maintenance Of Subset Descriptor Rules", , 2001.
58. Mohammed Alhaddad, Jerome Robinson, "Using A Network Of Workstations To Enhance Database Query Processing Performance", , pp. 352, 2001.