

## Academic Resume



### Maysoon Abulkhair

Associate Professor, Information Technology Department

#### Contact Information.

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#### Highest Degree.

2004, Ph.D. in Computer Science, Intelligent Human-Computer Interaction, University of Sheffield, UK.

#### Academic and Professional Experiences.

1. **2017 - 2021**  
Vice Dean of Faculty of Computing and Information Technology, Jeddah, King Abdulaziz University.
2. **2006 - 2017**  
Supervisor of Information Technology Department, Saudi Arabia, King Abdul Aziz University , Jeddah..
3. **2006 - 2009**  
Director of Computer Skills Unit, FCIT, KAU.
4. **2005 - 2007**  
Assistant Professor Computer Science department, Saudi Arabia, King Abdul Aziz University , Jeddah.

#### Research Interests.

IoT Interaction, Human Computer Interaction, User experience, Intelligent HCI, Crowd sourcing Computing, User Privacy and Security.

#### Teaching Interests.

Human Computer Interaction, Usable Privacy and Security, Innovative Interaction, Innovation and Technology.

#### Certifications and Trainings.

1. Training in effective Presentation..
2. Training in "The Art and Science of Teaching and Learning".
3. Training in Academic Leadership Skills..
4. Training in Undergraduate Student Assessment..
5. Training in Entrepreneurship and Innovation..
6. Training In Communication Skills..
7. Training in Strategic Way of Creative Thinking..

#### Social, Scientific and Professional Affiliation.

1. -, Member, ACM.

## Publications.

1. Manal Bayousef, Maysoon Maysoon, Amal Albilali, "An Overview Of Location Privacy Protection In Spatial Crowdsourcing Platforms During The Task Assignment Process", International Journal Of Security And Networks, vol: 1, 2023.  
DOI: [10.1504/IJSN.2023.10058091](https://doi.org/10.1504/IJSN.2023.10058091)
2. Hebah A. Albatati, John A. Clark, Maysoon F. Abulkhair, "Privacy Awareness Among Users Of Digital Healthcare Services In Saudi Arabia", vol: 14045, pp. 247-261, 2023.  
DOI: [10.1007/978-3-031-35822-7\\_17](https://doi.org/10.1007/978-3-031-35822-7_17)
3. Hebah A. Albatati, Maysoon F. Abulkhair, John A Clark, "Toward A Design Of User'S Consent Tool For Iot-Based Healthcare System", 2023 1st International Conference On Advanced Innovations In Smart Cities (Icaisc), pp. 1-7, 2023.  
DOI: [10.1109/ICAISC56366.2023.10085034](https://doi.org/10.1109/ICAISC56366.2023.10085034)
4. Yasmeen Al-Saeed, Wael A. Gab-Allah, Hassan Soliman, Maysoon F. Abulkhair, Wafaa M. Shalash, Mohammed Elmogy, "Efficient Computer Aided Diagnosis System For Hepatic Tumors Using Computed Tomography Scans", Computers, Materials & Continua, vol: 71, pp. 4871-4894, 2022.  
DOI: [10.32604/cmc.2022.023638](https://doi.org/10.32604/cmc.2022.023638)
5. Wejdan L. Alyoubi, Maysoon F. Abulkhair, Wafaa M. Shalash, "Diabetic Retinopathy Fundus Image Classification And Lesions Localization System Using Deep Learning", Sensors, vol: 21, pp. 3704, 2021.  
DOI: [10.3390/s21113704](https://doi.org/10.3390/s21113704)
6. Afra A. Alabbadi, Maysoon F. Abulkhair, "Multi-Objective Task Scheduling Optimization In Spatial Crowdsourcing", Algorithms, vol: 14, pp. 77, 2021.  
DOI: [10.3390/a14030077](https://doi.org/10.3390/a14030077)
7. Sahar Altalhi, Maysoon Abulkhair, Entisar Alkayal, "Capsule Network For Cyberthreat Detection", International Journal Of Advanced Computer Science And Applications, vol: 11, 2020.  
DOI: [10.14569/IJACSA.2020.0110673](https://doi.org/10.14569/IJACSA.2020.0110673)
8. Haifaa Alzahrani, Maysoon Abulkhair, Entisar Alkayal, "A Multi-Class Neural Network Model For Rapid Detection Of Iot Botnet Attacks", International Journal Of Advanced Computer Science And Applications, vol: 11, 2020.  
DOI: [10.14569/IJACSA.2020.0110783](https://doi.org/10.14569/IJACSA.2020.0110783)
9. Wejdan L. Alyoubi, Wafaa M. Shalash, Maysoon F. Abulkhair, "Diabetic Retinopathy Detection Through Deep Learning Techniques: A Review", Informatics In Medicine Unlocked, pp. 100377, 2020.  
DOI: [10.1016/j.imu.2020.100377](https://doi.org/10.1016/j.imu.2020.100377)
10. Amal Albilali, Maysoon Abulkhair, "Advance Mobile Crowdsourcing Approach For Protecting The Worker&Amp;Amp;Amp;#039;&Amp;Amp;Amp;#039;S Privacy", International Journal Of Advancements In Computing Technology (Ijact), 2019.
11. Afra A. Alabbadi and Maysoon F. Abulkhair, "Task-Scheduling Based On Multi-Objective Particle Swarm Optimization Innspatial Crowdsourcing", Journal Of King Abdulaziz University Computing And Information Technology Sciences, vol: 8, pp. 45-57, 2019.  
DOI: [10.4197/Comp.8-1.5](https://doi.org/10.4197/Comp.8-1.5)
12. Sabeen Tahir, Sheikh Tahir Bakhsh, Maysoon Abulkhair, Madini O Alassafi, "An Energy-Efficient Fog-To-Cloud Internet Of Medical Things Architecture", International Journal Of Distributed Sensor Networks, vol: 15, pp. 155014771985197, 2019.  
DOI: [10.1177/1550147719851977](https://doi.org/10.1177/1550147719851977)
13. Hind O. Almisbahi, David A. Faux, Lilian H. Tang, Maysoon F. Abulkhair, "Visualizing Molecular Phonons Using Eigenvectors With Smallest Eigenvalues Of The Atomic Trajectories", Computational Materials Science, vol: 160, pp. 86-94, 2019.  
DOI: [10.1016/j.commatsci.2019.01.002](https://doi.org/10.1016/j.commatsci.2019.01.002)

## Publications.

14. Lamiaa Fattouh Ibrahim, Maysoon F. Abulkhair, Wafaa Shalash, Abrar Alnaji, Fatimah Aldauji, Nouf Aqeeli, Nuha Alamer, Nuha Alghamdi, Shahad Battar, "Design And Implementing Of Iot Based Container Operating Management System", International Journal Of Computer Science Issues, 2018.
15. Doaa Sinnari, Paul Krause, Maysoon Abulkhair, "Effectiveness And Usability Of A Developed Collaborative Online Tool For Children With Adhd", Interactivity, Game Creation, Design, Learning, And Innovation, Interactivity, Game Creation, Design, Learning, And Innovation, vol: 265, pp. 496-507, 2018.  
DOI: [10.1007/978-3-030-06134-0\\_52](https://doi.org/10.1007/978-3-030-06134-0_52)
16. Amal Albilali, Maysoon Abulkhair, "Worker&#039;&#039;S Privacy Protection In Mobile Crowdsourcing Platform", Advances In Human Factors In Cybersecurity, Advances In Human Factors In Cybersecurity, vol: 782, pp. 159-170, 2018.  
DOI: [10.1007/978-3-319-94782-2\\_16](https://doi.org/10.1007/978-3-319-94782-2_16)
17. Maysoon F. Abulkhair, Entisar S. Alkayal, Nicholas R. Jennings, "Automated Negotiation Using Parallel Particle Swarm Optimization For Cloud Computing Applications", 2017 International Conference On Computer And Applications (Icca), pp. 26-35, 2017.  
DOI: [10.1109/COMAPP.2017.8079779](https://doi.org/10.1109/COMAPP.2017.8079779)
18. Entisar S. Alkayal, Nicholas R. Jennings, Maysoon F. Abulkhair, "Survey Of Task Scheduling In Cloud Computing Based On Particle Swarm Optimization", 2017 International Conference On Electrical And Computing Technologies And Applications (Iccta), pp. 1-6, 2017.  
DOI: [10.1109/ICECTA.2017.8251985](https://doi.org/10.1109/ICECTA.2017.8251985)
19. Sabeen Tahir, Sheikh Tahir Bakhsh, Rayed Alghamdi, Maysoon Abulkhair, "Fog-Based Healthcare Architecture For Wearable Body Area Network", Journal Of Medical Imaging And Health Informatics, vol: 7, pp. 1409-1418, 2017.  
DOI: [10.1166/jmihi.2017.2152](https://doi.org/10.1166/jmihi.2017.2152)
20. Maysoon Abulkhair, Lujain Mulla, Amani Aldahiri, Hanin Alkhatabi, Hala Alonezi, Somia Razzaq, "Sensor Oriented Approach To Prevent Hyperthermia For Children In Car", vol: 484, pp. 635-640, 2016.  
DOI: [10.1007/978-3-319-41682-3\\_53](https://doi.org/10.1007/978-3-319-41682-3_53)
21. Entisar S. Alkayal, Nicholas R. Jennings, Maysoon F. Abulkhair, "Efficient Task Scheduling Multi-Objective Particle Swarm Optimization In Cloud Computing", 2016 Ieee 41st Conference On Local Computer Networks: Workshops (Lcn Workshops), pp. 17-24, 2016.  
DOI: [10.1109/LCN.2016.024](https://doi.org/10.1109/LCN.2016.024)
22. Maysoon Abulkhair Amani Aldahiri Hanin Alkhatabi Hala Alonezi Lujain Mulla Somia Razzaq, "Sensor Based Hyperthermia Alert Car Application", Communications On Applied Electronics, 2016.
23. Huda Banuqitah Fathy Eassa Kamal Jambi Maysoon Abulkhair, "Two Level Self-Supervised Relation Extraction From Medline Using U", International Journal Of Data Mining & Knowledge Management, 2016.
24. Huda Banuqitah Fathy Eassa Kamal Jambi, "Two Level Self-Supervised Relation Extraction From Medline Using Umls", International Journal Of Data Mining & Knowledge Management Process (Ijdkp), 2016.
25. Maysoon Fouad Abulkhair Lamiaa Fattouh Ibrahim, "Using Rule Base System In Mobile Platform To Build Alert System For Evacuation And Guidance", (Ijacs) International Journal Of Advanced Computer Science And Applications, 2016.
26. Maysoon F. Abulkhair Hesham A. Salman Lamiaa F. Ibrahim, "Using Mobile Platform To Detect And Alerts Driver Fatigue", International Journal Of Computer Applications, 2015.
27. Lamiaa Fattouh Maysoon Abulkhair Amal Alshomrani Ameerah Al-Mutairy Fadiyah Al-Gamdi Roa???a Kalenen, "Using Haar Classifiers To Detect Driver Fatigue And Provide Alerts", Multimedia Tools And Applications, 2014.

## Publications.

28. Arwa Jamjoom, Manal Abdullah, Maysoon Abulkhair, Thoria Alghamdi, Aisha Mogbil, "Improving Outpatient Waiting Time Using Simulation Approach", 2014 European Modelling Symposium (Ems), pp. 117-125, 2014.  
DOI: [10.1109/EMS.2014.85](https://doi.org/10.1109/EMS.2014.85)
29. BYOUNG K. CHOI DONGHUN KANG TAESIK LEE ARWA A. JAMJOOM, MAYSOON F. ABULKHAIR, "Parameterized Activity Cycle Diagram And Its Application", Acm Transactions On Modeling And Computer Simulation, 2013.
30. Bassma S. Alsulami Maysoon F. Abulkhair Fathy E. Eassa, "Semantic Clustering Approach Based Multi-Agent System For Information", Ijcsns International Journal Of Computer Science And Network Security, 2012.
31. Bassma S. Alsulami Maysoon F. Abulkhair Fathy E. E., "Performance Evaluation Of Various Search Result Clustering Algorithms Survey", International Journal Of Computer Science And Information Technology & Security (Ijcsits), 2012.
32. Lamiaa Fattouh Ibrahim, Maysoon Abulkhair, Amal D. AlShomrani, Manal AL-Garni, Ameerah AL-Mutiry, Fadiyah AL-Gamdi, Roa???a Kalenen, "Using Haar Classifiers To Detect Driver Fatigue And Provide Alerts", Multimedia Tools And Applications, vol: 71, pp. 1857-1877, 2012.  
DOI: [10.1007/s11042-012-1308-5](https://doi.org/10.1007/s11042-012-1308-5)
33. Bassma S. Alsulami Maysoon F. Abulkhair Fathy E. Eassa, "Near Duplicate Document Detection Survey", International Journal Of Computer Science & Communication Networks, 2011.
34. Maysoon Abulkhair, "Cultural Effects On Arabic Electronic Tv", Will Be Published In Human Computer Interaction International Preceding By Springer, 2011.
35. Maysoon Abulkhair, "A Fuzzy Modle To Measure Colour Contrast As An Aspect Of Web Usability", , 2003.