

Academic Resume



Manal Abdullah

Professor, Information Systems Department

Contact Information.

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Highest Degree.

2002, Ph.D. in Computer and System Engineering, System Engineering, Ain Shams University, Egypt.

Academic and Professional Experiences.

1. **2021 - Present**
Supervising PhD Student: Bodor Almutairy bateekalmutairi@stu.kau.edu.sa, , .
2. **2020 - Present**
Professor, , .
3. **2003 - 2015**
Assistant Professor, FCIT, kau.
4. **2002 - 2003**
Assistant Professor , Faculty of computer science and faculty of engineering, MSA (Modern Sciences and Arts) University.
5. **1997 - 2002**
manager , , of microprocessor and computer control Lab.
6. **1995 - 2000**
Project manager , , Arab Consulting Engineer ACE.
7. **1982 - 1995**
senior engineer , electronic research sector, Industrial Development Design Center IDDC.

Research Interests.

Network Administration, Data mining, Knowledge Management, Big Data Analysis, Streaming Data Analysis.

Teaching Interests.

Data Communication, Network Security, Data Base, Big Data and Knowledge Management, Modeling and Simulation Systems, Pattern Recognition, Business Intelligence, Computer Networks, Machine Learning.

Publications.

1. Bodor Almotairy, Manal Abdullah, Dimah Alahmadi, "Characterizing Arabic Computational Propaganda On Tweeter", Indian Journal Of Science And Technology, 2023.
2. Bodor Almutairi, Manal Abdullah and Dimah Alahmadi, "Detection Of Computational Propaganda On Social Networks: A Survey", Computing Conference 2023 London, United Kingdom 22-23 June 2023, 2023.
3. Rawan Sanyour, Manal Abdullah, Salha Abdullah, "A Light-Weight Real-Time Anomaly Detection Framework For Edge Computing", Proceedings Of The 2023 International Conference On Advances In Computing Research (Acr&Rsquo;23), 2023.
4. Rawan Sanyour, Manal Abdullah, Salha Abdullah, "An Adaptive User-Centric Iot Service Composition Framework", Advanced Studies: Euro-Tbilisi Mathematical Journal, 2023.
5. Sanyour, Rawan; Abdullah, Manal; Abdullah, Salha, "Quality Of Experience In Internet Of Things: A Systematic Literature Review", <https://doi.org/10.36227/techrxiv.19425527.v1>, 2022.
6. Mashaal A. Alfheid, Manal A. Abdullah, "Icsm: Imbalanced Chunk-Based Stream Model", International Journal Of Innovation, Creativity And Change, 2022.
7. Manal Mansour Alharthi, Manal Abdulaziz Abdullah, "Mining Data Streams Using Clustering Techniques", International Journal Of Computer Applications, vol: 184, pp. 9-15, 2022.
DOI: [10.5120/ijca2022922027](https://doi.org/10.5120/ijca2022922027)
8. ManaL Mansour, Manal Abdullah, "Mining Techniques For Streaming Data", International Journal Of Data Mining & Knowledge Management Process, vol: 12, pp. 1-14, 2022.
DOI: [10.5121/ijdkp.2022.12201](https://doi.org/10.5121/ijdkp.2022.12201)
9. Mashaal A. Alfheid, Manal Abdullah, "Classification Of Imbalanced Data Stream: Techniques And Challenges", Transactions On Machine Learning And Artificial Intelligence, vol: 9, pp. 36-52, 2021.
DOI: [10.14738/tmlai.92.9964](https://doi.org/10.14738/tmlai.92.9964)
10. Manal Abdulaziz, Mashail Alsolamy, Alanoud Alotaibi, Abeer Alabbas, "Building A Personalized Fitness Recommendation Application Based On Sequential Information", International Journal Of Advanced Computer Science And Applications, 2021.
11. Manal Abdulaziz, Bodor Al-Motairy, Mona Al-Ghamdi, Norah Al-Qahtani, "Building A Personalized Fitness Recommendation Application Based On Sequential Information", International Journal Of Advanced Computer Science And Applications, 2021.
12. Bodor Almotairy, Manal Abdullah, Rabeeh Abbasi, "Identifying Entrepreneurial Influencers On Twitter", The Isc Int''L Journal Of Information Security, Isecure, 2020.
13. Manal Abdullah, Naela Bahurmuz, Rishaa Alnajim, Zainab Alshingiti, "Decision Making Using Document Driven Decision Support Systems", International Journal Of Data Science, vol: 5, pp. 168, 2020.
DOI: [10.1504/IJDS.2020.112145](https://doi.org/10.1504/IJDS.2020.112145)
14. Samar Ahmed Alamri, Manal Abdullah, Adnan Albar, "Enterprise Architecture Adoption For Higher Education Institutions", International Journal Of Simulation: Systems, Science & Technology, 2019.
DOI: [10.5013/IJSSST.a.19.05.16](https://doi.org/10.5013/IJSSST.a.19.05.16)
15. Afefa Asiri, Manal Abdullah, "Employees Absenteeism Factors Based On Data Analysis And Classification", Bioscience Biotechnology Research Communications, vol: 12, pp. 119-127, 2019.
DOI: [10.21786/bbrc/12.1/14](https://doi.org/10.21786/bbrc/12.1/14)
16. Ebtesam Almalki, Manal Abdullah, "Random Tree Data Stream Classifier With Sliding Window Estimator And Concept Drift", Bioscience Biotechnology Research Communications, vol: 12, pp. 219-228, 2019.
DOI: [10.21786/bbrc/12.1/25](https://doi.org/10.21786/bbrc/12.1/25)
17. Mashail Alhabiti, Manal Abdullah*, "Streaming Data Classification With Concept Drift", Bioscience Biotechnology Research Communications, vol: 12, pp. 177-184, 2019.
DOI: [10.21786/bbrc/12.1/20](https://doi.org/10.21786/bbrc/12.1/20)

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18. Bodor Almotairy, Manal Abdullah, Rabeeh Abbasi, "The Impact Of Social Media Adoption On Entrepreneurial Ecosystem", Bioscience Biotechnology Research Communications, vol: 12, pp. 60-71, 2019.
DOI: [10.21786/bbrc/12.1/8](https://doi.org/10.21786/bbrc/12.1/8)
19. Nisreen A Alzahrani, Manal A Abdullah, "Student Engagement Effectiveness In E-Learning System", Bioscience Biotechnology Research Communications, vol: 12, pp. 208-218, 2019.
DOI: [10.21786/bbrc/12.1/24](https://doi.org/10.21786/bbrc/12.1/24)
20. Alotaibi Nojod M., "Agent-Based Big Data Mining", International Journal Of Advanced Trends In Computer Science And Engineering, pp. 245-252, 2019.
DOI: [10.30534/ijatcse/2019/4481.12019](https://doi.org/10.30534/ijatcse/2019/4481.12019)
21. Abdullah Manal A., "Daniel Of Service Attack Detection Using Classification Techniques In Wsns", International Journal Of Advanced Trends In Computer Science And Engineering, pp. 266-272, 2019.
DOI: [10.30534/ijatcse/2019/4781.12019](https://doi.org/10.30534/ijatcse/2019/4781.12019)
22. Abdullah Manal, "E - Collaboration Knowledge Management", International Journal Of Advanced Trends In Computer Science And Engineering, pp. 259-265, 2019.
DOI: [10.30534/ijatcse/2019/4681.12019](https://doi.org/10.30534/ijatcse/2019/4681.12019)
23. Yassmeen Alghamdi, Manal Abdullah, "Improving K-Means Algorithm By Grid-Density Clustering For Distributed Wsn Data Stream", International Journal Of Advanced Computer Science And Applications, vol: 9, 2018.
DOI: [10.14569/IJACSA.2018.091181](https://doi.org/10.14569/IJACSA.2018.091181)
24. Muzammil Behzad, Manal Abdullah, Muhammad Talal Hassan, Yao Ge, Mahmood Ashraf Khan, "Layer-Adaptive Communication And Collaborative Transformed-Domain Representations To Optimize Performance In Next-Generation Wsns", 2018 Ieee 32nd International Conference On Advanced Information Networking And Applications (Aina), pp. 101-108, 2018.
DOI: [10.1109/AINA.2018.00027](https://doi.org/10.1109/AINA.2018.00027)
25. Manal Abdullah, Muna AlMasawa, Ibtihal Makki, Maha Alsolmi, Samar Mahrous, "Emotions Extraction From Arabic Tweets", International Journal Of Computers And Applications, pp. 1-15, 2018.
DOI: [10.1080/1206212X.2018.1482395](https://doi.org/10.1080/1206212X.2018.1482395)
26. Ablah AlAmri, Manal Abdullah, "Energy Location Aware Routing Protocol (Elarp) For Wireless Multimedia Sensor Networks", International Journal Of Computer Science And Information Technology, vol: 9, pp. 77-91, 2017.
DOI: [10.5121/ijcsit.2017.9608](https://doi.org/10.5121/ijcsit.2017.9608)
27. Nojod M. Alotaibi , Manal Abdullah, "Big Data Mining: A Classification Perspective", Iccmit16, 2016.
28. Suzan Basloom, Amani Nazar, Ghadah Aldabbagh, Manal Abdullah, Nikos Dimitriou, "Resource Allocation Using Graph Coloring For Dense Cellular Networks", 2016 International Conference On Computing, Networking And Communications (Icnc), pp. 1-5, 2016.
DOI: [10.1109/ICCNC.2016.7440572](https://doi.org/10.1109/ICCNC.2016.7440572)
29. Manal Abdullah, Hend Nour Eldin, Tahani Al-Moshadak, Rawan Alshaik, Inas Al-Anesi, "Density Grid-Based Clustering For Wireless Sensors Networks", Procedia Computer Science, vol: 65, pp. 35-47, 2015.
DOI: [10.1016/j.procs.2015.09.074](https://doi.org/10.1016/j.procs.2015.09.074)
30. Ahlam Saud Althobaiti, Manal Abdullah, "Medium Access Control Protocols For Wireless Sensor Networks Classifications And Cross-Layering", Procedia Computer Science, vol: 65, pp. 4-16, 2015.
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31. Manal Abdullah, Wafaa H., Reem M., Mona Alzahrani, Malak Sadik, "The Impact Of Learning Styles On Learner'S Performance In E-Learning Environment", International Journal Of Advanced Computer Science And Applications, vol: 6, 2015.
DOI: [10.14569/IJACSA.2015.060903](https://doi.org/10.14569/IJACSA.2015.060903)
32. Byoung K. Choi, Hyeonsik Kim, Donghun Kang, Arwa A. Jamjoom, Manal A. Abdullah, "Parameterized Acd Modeling Of Flexible Manufacturing Systems", Ieee Transactions On Automation Science And Engineering, vol: 11, pp. 637-642, 2014.
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33. Manal Abdullah, "Simulation Of Wireless Sensor Network For Flood Monitoring System", vol: 8519, pp. 255-264, 2014.
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34. Manal Abdullah, Ebtesam Alsanee, Nada Alseheymi, "Energy Efficient Cluster-Based Intrusion Detection System For Wireless Sensor Networks", International Journal Of Advanced Computer Science And Applications, vol: 5, 2014.
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35. 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)
36. Shooa Alhijily, Manal Abdullah, "Biometric In Healthcare Security System, Face - Iris Fusion System", , vol: ISDN 2075-4124. Volume 3, Issue 1, 2011.
37. Manal Abdullah, "Improving Patients Quality Of Care Using Electronic Health Record", Egeh11; E-Government & E-Health 8th International Conference (Iitu & Ptud) Desio - Monza E Brianza (Italy), 2011.
38. Manal Abdullah, Helen Bakhsh, "Agent_Based Dynamic Routing System For Mobile Ad Hoc Networks", , vol: 09, Issue 1, pp. 27-38, 2009.
39. Helen Bakhsh, Manal Abdullah, "Arpm: Agent_Based Dynamic Routing System For Manets", , vol: 3, pp. 136-146, 2008.