

Academic Resume



Abdulrahman Altalhi

Professor, Information Technology Department

Contact Information.

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Highest Degree.

2004, Ph.D. in Computer Science, Engineering and Applied Science, University of New Orleans, USA.

Academic and Professional Experiences.

1. **2020 - Present**
University Vice President for Development, , .
2. **2013 - 2020**
Dean of the College, Sudia Arabia, K.A.U..
3. **2009 - 2013**
Vice Dean, Saudi Arabia, K.A.U..
4. **2006 - 2013**
Director / Computer Skills Unit, Saudi Arabia, K.A.U..
5. **2006 - 2009**
Chairman of the Information Technology Department, Saudi Arabia, K.A.U..
6. **2005 - 2008**
Adjunct Assistant Professor, Academic Supervisor, Saudi Arabia, K.A.U..
7. **2001 - 2004**
Computer System Analyst, Team Lead, USA, CACI-Federal, Inc., New Orleans, LA.
8. **1999 - 2001**
Computer System Analyst, USA, CACI-Federal, Inc., New Orleans, LA.
9. **1998 - 1999**
Functional Data Analyst, USA, CACI-Federal, Inc., New Orleans, LA.

Research Interests.

Computing Education, Big Data, Computer Networks, Security.

Certifications and Trainings.

1. Effective Motivational Leadership, Total Leader Program, LMI..
2. Effective Strategic Planning, Total Leader Program, LMI..
3. Effective Personal Leadership, Total Leader Program, 2010, LMI..
4. Strategic Planning Skills, 2009, King Abdulaziz University Developing Center..
5. Effective Personal Productivity, Total Leader Program, LMI..

Social, Scientific and Professional Affiliation.

1. 1997-Present, Member, Association for Computing Machinery (ACM).

Publications.

1. Martin Pap??o, Iosu Rodr??guez-Mart??nez, Javier Fumanal-Idocin, Abdulrahman H. Altalhi, Humberto Bustince, "A Fusion Method For Multi-Valued Data", Information Fusion, vol: 71, pp. 1-10, 2021.
DOI: [10.1016/j.inffus.2021.01.001](https://doi.org/10.1016/j.inffus.2021.01.001)
2. Zahid Ullah, Adidah Lajis, Mona Jamjoom, Abdulrahman Altalhi, Farrukh Saleem, "Blooms Taxonomy: A Beneficial Tool For Learning And Assessing Students Competency Levels In Computer Programming Using Empirical Analysis", Computer Applications In Engineering Education, vol: 28, pp. 1628-1640, 2020.
DOI: [10.1002/cae.22339](https://doi.org/10.1002/cae.22339)
3. Humberto Bustince, Radko Mesiar, Javier Fernandez, Mikel Galar, Daniel Paternain, Abdulrahman Altalhi, Gra??aliz P. Dimuro, Benjam??n Bedregal, Zdenko Tak????, "Dissimilarity Based Choquet Integrals", vol: 1238, pp. 565-573, 2020.
DOI: [10.1007/978-3-030-50143-3_44](https://doi.org/10.1007/978-3-030-50143-3_44)
4. H. Bustince, R. Mesiar, J. Fernandez, M. Galar, D. Paternain, A. Altalhi, G.P. Dimuro, B. Bedregal, Z. Tak????, "D-Choquet Integrals: Choquet Integrals Based On Dissimilarities", Fuzzy Sets And Systems, 2020.
DOI: [10.1016/j.fss.2020.03.019](https://doi.org/10.1016/j.fss.2020.03.019)
5. Barbara P??kala, Urszula Bentkowska, Mikel Sesma-Sara, Javier Fernandez, Julio Lafuente, Abdulrahman Altalhi, Maksymilian Knap, Humberto Bustince, Jes??s M. Pintor, "Interval Subsethood Measures With Respect To Uncertainty For The Interval-Valued Fuzzy Setting", International Journal Of Computational Intelligence Systems, vol: 13, pp. 167, 2020.
DOI: [10.2991/ijcis.d.200204.001](https://doi.org/10.2991/ijcis.d.200204.001)
6. Qinyue Zhou, Zhibin Wu, Abdulrahman H. Altalhi, Francisco Herrera, "A Two-Step Communication Opinion Dynamics Model With Self-Persistence And Influence Index For Social Networks Based On The Degroot Model", Information Sciences, 2020.
DOI: [10.1016/j.ins.2020.01.052](https://doi.org/10.1016/j.ins.2020.01.052)
7. Fuad Bajaber, Sherif Sakr, Omar Batarfi, Abdulrahman Altalhi, Ahmed Barnawi, "Benchmarking Big Data Systems: A Survey", Computer Communications, vol: 149, pp. 241-251, 2020.
DOI: [10.1016/j.comcom.2019.10.002](https://doi.org/10.1016/j.comcom.2019.10.002)
8. Farrukh Saleem, Naomie Salim, Abdulrahman H. Altalhi, Zahid Ullah, Abdullah AL-Malaise AL-Ghamdi, Zahid Mahmood Khan, "Assessing The Effects Of Information And Communication Technologies On Organizational Development: Business Values Perspectives", Information Technology For Development, pp. 1-35, 2020.
DOI: [10.1080/02681102.2017.1335279](https://doi.org/10.1080/02681102.2017.1335279)
9. Huchang Liao, Ming Tang, Rui Qin, Xiaomei Mi, Abdulrahman Altalhi, Saleh Alshomrani, Francisco Herrera, "Overview Of Hesitant Linguistic Preference Relations For Representing Cognitive Complex Information: Where We Stand And What Is Next", Cognitive Computation, 2019.
DOI: [10.1007/s12559-019-09681-9](https://doi.org/10.1007/s12559-019-09681-9)
10. Huchang Liao, Jinyan Yu, Xingli Wu, Abdullah Al-Barakati, Abdulrahman Altalhi, Francisco Herrera, "Life Satisfaction Evaluation In Earthquake-Hit Area By The Probabilistic Linguistic Glds Method Integrated With The Logarithm-Multiplicative Analytic Hierarchy Process", International Journal Of Disaster Risk Reduction, vol: 38, pp. 101190, 2019.
DOI: [10.1016/j.ijdr.2019.101190](https://doi.org/10.1016/j.ijdr.2019.101190)
11. A.H. Altalhi, J.I. Forc??n, M. Pagola, E. Barrenechea, H. Bustince, Zdenko Tak????, "Moderate Deviation And Restricted Equivalence Functions For Measuring Similarity Between Data", Information Sciences, vol: 501, pp. 19-29, 2019.
DOI: [10.1016/j.ins.2019.05.078](https://doi.org/10.1016/j.ins.2019.05.078)

Publications.

12. Xiaomei Mi, Xingli Wu, Ming Tang, Huchang Liao, Abdullah Al-Barakati, Abdulrahman H. Altalhi, Francisco Herrera, "Hesitant Fuzzy Linguistic Analytic Hierarchical Process With Prioritization, Consistency Checking, And Inconsistency Repairing", Ieee Access, vol: 7, pp. 44135-44149, 2019.
DOI: [10.1109/ACCESS.2019.2908701](https://doi.org/10.1109/ACCESS.2019.2908701)
13. Zahid Ullah, Adidah Lajis, Mona Jamjoom, Abdulrahman H. Altalhi, Jalal Shah, Farrukh Saleem, "A Rule-Based Method For Cognitive Competency Assessment In Computer Programming Using Blooms Taxonomy", Ieee Access, vol: 7, pp. 64663-64675, 2019.
DOI: [10.1109/ACCESS.2019.2916979](https://doi.org/10.1109/ACCESS.2019.2916979)
14. Farrukh Saleem, Naomie Salim, Abdulrahman Altalhi, Abdullah Al-Malaise Al-Ghamdi, Zahid Ullah, Noor ul Qayyum, "Developing A Holistic Model For Assessing The Ict Impact On Organizations: A Managerial Perspective", Intelligent Automation And Soft Computing, pp. 1-21, 2018.
DOI: [10.31209/2018.100000002](https://doi.org/10.31209/2018.100000002)
15. Zahid Ullah, Adidah Lajis, Mona Jamjoom, Abdulrahman Altalhi, Abdullah Al-Ghamdi, Farrukh Saleem, "The Effect Of Automatic Assessment On Novice Programming: Strengths And Limitations Of Existing Systems", Computer Applications In Engineering Education, 2018.
DOI: [10.1002/cae.21974](https://doi.org/10.1002/cae.21974)
16. Oscar Reyes, Abdulrahman H. Altalhi, Sebastian Ventura, "Statistical Comparisons Of Active Learning Strategies Over Multiple Datasets", Knowledge-Based Systems, vol: 145, pp. 274-288, 2018.
DOI: [10.1016/j.knosys.2018.01.033](https://doi.org/10.1016/j.knosys.2018.01.033)
17. Julián Luengo, Seong-O Shim, Saleh Alshomrani, Abdulrahman Altalhi, Francisco Herrera, "Cnc-Nos: Class Noise Cleaning By Ensemble Filtering And Noise Scoring", Knowledge-Based Systems, vol: 140, pp. 27-49, 2018.
DOI: [10.1016/j.knosys.2017.10.026](https://doi.org/10.1016/j.knosys.2017.10.026)
18. Ricardo Tesoriero, Abdulrahman H. Altalhi, "Model-Based Development Of Distributable User Interfaces", Universal Access In The Information Society, vol: 18, pp. 719-746, 2017.
DOI: [10.1007/s10209-017-0600-6](https://doi.org/10.1007/s10209-017-0600-6)
19. Salma Elhag, Alberto Fernández, Abdulrahman Altalhi, Saleh Alshomrani, Francisco Herrera, "A Multi-Objective Evolutionary Fuzzy System To Obtain A Broad And Accurate Set Of Solutions In Intrusion Detection Systems", Soft Computing, 2017.
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20. Ricardo Tesoriero, Abdulrahman H Altalhi, "Using Distributable User Interfaces In Cscl In-Situ Classrooms", International Journal Of Human-Computer Interaction, pp. 1-21, 2017.
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21. Shehram Akram, Saleh Alshomrani, Shahzad Qamar, Abdulrahman Altalhi, "Identification Of Critical Barriers In Cloud Computing Adoption By Enterprises Using Systematic Review Methodology", International Journal Of Business Information Systems, vol: 25, pp. 490, 2017.
DOI: [10.1504/IJBIS.2017.10005619](https://doi.org/10.1504/IJBIS.2017.10005619)
22. Weam G. Alghabban, Reda M. Salama, Abdulrahman H. Altalhi, "Mobile Cloud Computing: An Effective Multimodal Interface Tool For Students With Dyslexia", Computers In Human Behavior, vol: 75, pp. 160-166, 2017.
DOI: [10.1016/j.chb.2017.05.014](https://doi.org/10.1016/j.chb.2017.05.014)
23. Abdulrahman H. Altalhi, J. M. Luna, M. A. Vallejo, S. Ventura, "Evaluation And Comparison Of Open Source Software Suites For Data Mining And Knowledge Discovery", Wiley Interdisciplinary Reviews: Data Mining And Knowledge Discovery, vol: 7, pp. e1204, 2017.
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24. Sheikh Tahir Bakhsh, Rayed AlGhamdi, Abdulrahman H. Altalhi, Sabeen Tahir, Muhammad Aman Sheikh, "Adaptive Sleep Efficient Hybrid Medium Access Control Algorithm For Next-Generation Wireless Sensor Networks", *Eurasip Journal On Wireless Communications And Networking*, vol: 2017, 2017.
DOI: [10.1186/s13638-017-0870-y](https://doi.org/10.1186/s13638-017-0870-y)
25. Fuad Bajaber, Amin Shafaat, Omar Batarfi, Radwa Elshaw, Abdulrahman Altalhi, Ahmed Barnawi, Sherif Sakr, "A Cloud-Based Platform For Democratizing And Socializing The Benchmarking Process", *International Journal Of Advanced Computer Science And Applications*, vol: 7, 2016.
DOI: [10.14569/IJACSA.2016.070268](https://doi.org/10.14569/IJACSA.2016.070268)
26. Fuad Bajaber, Radwa Elshaw, Omar Batarfi, Abdulrahman Altalhi, Ahmed Barnawi, Sherif Sakr, "Big Data 2.0 Processing Systems: Taxonomy And Open Challenges", *Journal Of Grid Computing*, vol: 14, pp. 379-405, 2016.
DOI: [10.1007/s10723-016-9371-1](https://doi.org/10.1007/s10723-016-9371-1)
27. Asifullah Khan, Muhammad Waqas, Muhammad Rizwan Ali, Abdulrahman Altalhi, Saleh Alshomrani, Seong-O Shim, "Image De-Noising Using Noise Ratio Estimation, K-Means Clustering And Non-Local Means-Based Estimator", *Computers & Electrical Engineering*, vol: 54, pp. 370-381, 2016.
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28. Abdulrahman H. Altalhi, Abdullah AL-Malaise AL-Ghamdi, Zahid Ullah, Farrukh Saleem, "Developing A Framework And Algorithm For Scalability To Evaluate The Performance And Throughput Of Crm Systems", *Intelligent Automation & Soft Computing*, vol: 23, pp. 149-152, 2016.
DOI: [10.1080/10798587.2016.1184830](https://doi.org/10.1080/10798587.2016.1184830)
29. Sheikh Tahir Bakhsh, Sabeen Tahir, Abdulrahman H. Altalhi, Fazli Subhan, Muhammad Aman Sheikh, "Resource Optimization Routing And Scatternet Formation Protocols For Bluetooth Networks", *International Journal Of Knowledge Society Research*, vol: 7, pp. 84-123, 2016.
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30. Sabeen Tahir, Sheikh Tahir Bakhsh, Abdulrahman H. Altalhi, "An Efficient Route Maintenance Protocol For Dynamic Bluetooth Networks", *Journal Of King Saud University - Computer And Information Sciences*, 2016.
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31. Said Ali El-Quliti, Abdul Hamid Mohamed Ragab, Reda Abdelaal, Ali Wagdy Mohamed, Abdulfattah Suliman Mashat, Amin Yousef Noaman, Abdulrahman Helal Altalhi, "A Nonlinear Goal Programming Model For University Admission Capacity Planning With Modified Differential Evolution Algorithm", *Mathematical Problems In Engineering*, vol: 2015, pp. 1-13, 2015.
DOI: [10.1155/2015/892937](https://doi.org/10.1155/2015/892937)
32. Ricardo Tesoriero, Jose A. Gallud Lazaro, Abdulrahman H. Altalhi, "Supporting The Loewenstein Occupational Therapy Cognitive Assessment Using Distributed User Interfaces", *Disability And Rehabilitation*, vol: 39, pp. 389-397, 2014.
DOI: [10.3109/09638288.2014.949354](https://doi.org/10.3109/09638288.2014.949354)
33. Saleh Alshomrani, Abdulrahman Altalhi, Shahzad Qamar, "A Critical Analysis Of E-Government Development And Implementation In Saudi Arabia", *International Journal Of Applied Information Systems*, vol: 7, pp. 21-25, 2014.
DOI: [10.5120/ijais14-451202](https://doi.org/10.5120/ijais14-451202)
34. Habib M. Fardoun, Abdulrahman H. Altalhi, Antonio Paules Cipr??s, "Improvement Of Students Curricula In Educational Environments By Means Of Online Communities And Social Networks", vol: 8029, pp. 147-155, 2013.
DOI: [10.1007/978-3-642-39371-6_17](https://doi.org/10.1007/978-3-642-39371-6_17)

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35. Habib M. Fardoun, Antonio Paules Cipres, Jaime Ramirez Castillo, Sergio Albiol-Pérez, Abdulrahman Altalhi, "Crehab: A Cloud-Based Framework For The Management Of Rehabilitation Processes", *Icts For Improving Patients Rehabilitation Research Techniques*, 2013.
DOI: [10.4108/icst.pervasivehealth.2013.25225](https://doi.org/10.4108/icst.pervasivehealth.2013.25225)
36. Abdulrahman Altalhi, Sami Halawani, T. Mahmood, "Performance Analysis Of Manet Routing Protocols: Olsr And Tora", , vol: 13, No.3, pp. 54-59, 2013.
37. Habib Fardoun Fardoun, Abdulrahman Altalhi, A. Paules, Paules, "Interactive Design System For Schools Using Cloud Computing", , vol: 19, No. 7, pp. 950-964, 2013.
38. P. G. Villanueva, R. Tesoriero, J. A. Gallud, Abdulrahman Altalhi, "A Framework To Develop Web Applications Based On Rfid Panels", , vol: 19, No. 12, pp. 1792-1807, 2013.
39. Habib Fardoun Fardoun, Abdulrahman Altalhi, J. R. Castillo, S. Albiol-Pérez, "Crehab: A Cloud-Based Framework For The Management Of Rehabilitation Processes", , 2013.
40. Abdulrahman Altalhi, A. P. Cipres, "Ict Didactic System For A Successful Student Curricula", , vol: 4, No. 2, pp. 27-35, 2013.
41. Habib Fardoun Fardoun, Abdulrahman Altalhi, A. P. Ciprés, "Improvement Of Students Curricula In Educational Environments By Means Of Online Communities And Social Networks", , vol: 8029, pp. 147-155, 2013.
42. Ahmad Barnawi, Abdulrahman Altalhi, "Component Based Development Model For New And Customized Software Products", , vol: 3, pp. 1384-1389, 2013.
43. Hassanin Albarhamtoushy, Abdulrahman Altalhi, Abdulfattah Mashat, "Academic Monitoring In Classrooms Using Rfid Technology", *The Proceedings Of The International Conference On Digital Information Processing*, pp. 204-209, 2013.
44. Habib M. Fardoun, Abdulrahman H. Altalhi, Sebastián Romero López, "Active Citizenship", *The 13th International Conference*, pp. 1-5, 2012.
DOI: [10.1145/2379636.2379663](https://doi.org/10.1145/2379636.2379663)
45. Ahmad Barbawi, Abdulrahman Altalhi, Nadine Akkari, Ahmad Barnawi, "Security Analysis And Delay Evaluation For Sip - Based Mobile Mass Examination System", , vol: 4 Issue: 1, pp. 1-19, 2012.
46. Abdulrahman Altalhi, M. S. Mohammed Azim, S. A. Ali, A. M. Al-Kharasani, "A Modified Packet Marking Algorithm To Improve Bandwidth Fairness In Diffserv Network", , vol: 4, No. 1, pp. 1-11, 2012.
47. Sami M. Alesawi, Dr. Reda M. Salama and Dr. Abdulrahman H. Altalhi, "Intrusion Detection System For Misbehavior User In Wlan", *Journal Of King Abdel Aziz (Computing And Information Technology)*, vol: 1 No. 1, pp. 55-80, 2012.
48. Abdulrahman Altalhi, "Simple Encryption Keys Creation In Wireless Ad Hoc Networks", , vol: 3, No. 1, 2012.
49. Abdulrahman Altalhi, Z. M. Sidek, "Challenges And Requirements Of Digital Forensics Investigation In Wireless Ad-Hoc Networks", , vol: 3, No. 1, 2012.
50. Abdulrahman Altalhi, Z. M. Sidek, N. Abdul Ghani, F. Othman, Majed Alshishtawi, "Enhancing The Security Framework Securecloud With The Swift Identity Management Framework", , vol: 2, No.1, pp. 1-7, 2012.
51. 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.
52. Ahmad Barnawi, Abdulrahman Altalhi, Asif Irshad Khan, "Evaluation Of Ip Multimedia Subsystem Based Mobile Mass Examination System", , vol: 4, No. 4, pp. 1-12, 2012.
53. Habib Fardoun Fardoun, Abdulrahman Altalhi, S. R. López, "Active Citizenship: A System To Inform About Problems To The Local Entities", *Proceedings Of The 13th International Conference On Interacción Persona-Ordenador (Interacción 12)*, pp. 5-28, 2012.

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54. Ahmad Barnawi, Abdulrahman Altalhi, "Time Sensing For Cognitive Radio Systems", Proceedings Of The European Conference On Communication Technologies And Software Defined Radio (Sdr11 - Winncomm - Europe, pp. 159-163, 2011.
55. Abdulrahman Altalhi, M. A. Ngadi, S. N. Omar, Z. M. Sidek, "Dns Id Covert Channel Based On Lower Bound Steganography For Normal Dns Id Distributions", , vol: 8, No. 3, pp. 149-156, 2011.
56. Abdulrahman Altalhi, Z. M. Sidek, N. A. Ghani, "Leveraging The Involvement Of Data Subjects Towards Controlling Their Own Personal Information", , vol: 3, No. 4, pp. 133-138, 2011.
57. Abdulrahman Altalhi, "Designing And Executing A Workplace Training Course For Computing Students", , vol: 1, No. 9, pp. 405-408, 2011.
58. Kamal Jambi, "Computer Skills, 1st Edition", 2008.
59. Abdulrahman Altalhi, Khaled Fakeeh, "The Virtual Paths Routing Protocol: A Highly Dynamic And Adaptive Routing Protocol For Ad Hoc Wireless Networks", , pp. 81-87, 2004.
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61. Abdulrahman Altalhi, G. G. Richard, "Dynamic Routes Through Vpr", Conference On Communication, Internet, And Information Technology, pp. 767-772, 2003.