Khamis Ahmed Yousif

Lecturer in College of Veterinary Medicine- Diyala University
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Educational Qualifications

- PhD from School of Computing, Science and Engineering, University of Salford, United Kingdom (Robust Speaker Recognition in Reverberant Condition-Toward Greater Biometric Security)
- MSc. Computer science, Pune University, India (2007-2009)
- BSc. computer science, Baghdad University, Iraq (1993-1997)

Research and teaching Interest

- Speaker recognition in noise and reverberant condition , Speech recognition, Digital signal processing, Features extraction, Machine learning, Internet of things IoT, Smart city and Environment

Training Courses

- Microsoft Office Specialist (MOS) certification/2011
- Graduate Teaching Studentship Scheme (GTS) workshops: Inclusive teaching & classroom management (Salford University) 13/Jan 2017/ certificate
- Excel: Formulas and Functions- The Library -University of Salford www.salford.ac.uk/library / 26 Sep 2014/ certificate

Publications

A. Book Section

1. Robust Speaker Recognition in Reverberant Condition, Publisher: LAP LAMBERT Academic Publishing (20 Feb. 2019) in English Language, Paperback : 224 pages, ISBN-10:3659903736, ISBN-13: 978-3659903731

B. Academic service

2. Review a paper entitled "A Novel Framework for Detection of Loan Frauds in Banking System using Big Data Technology for International Journal of Computers and Applications.
3. Review a paper entitled "A Survey: Internet of Things based on Fog Computing Technology for the 1st conference on Emerging technology trend in internet of things and computing (TIOTC 2021)
4. Review a paper entitled "a survey on Various Biometrics Recognition and the way to hacker them. for the 1st conference on Emerging technology trend in internet of things and computing (TIOTC 2021)
5. Review a paper entitled "A novel Lossless EEG Compression Model Using Fractal Combined with Fixed-Length Encoding Technique for the 1st conference on emerging technology trend in internet of things and computing (TIOTC 2021).
6. A program committee member as a Reviewer in the NTICT21 (The 5th International Conference on New Trends in Information & Communications Technology Applications)
7. Review a paper entitled "Web-based AI-IoT Multi Classifiers Model of IRIS Images in Real Live Farm Field for International Conference on Intelligent Technology, System and Service for Internet of Everything, ITSS-IoE 2021, University Science & Technology,1-2, 2021
8. Review a paper entitled "Evaluation Multi Diabetes Mellitus Symptoms by Integrated Fuzzy-based MCDM Approach for 2nd National1st International Scientific Conference Of Veterinary Medicine And Science (NISCVMS-2021)"
9. Review a paper entitled "Multi Risk Factors Evaluation for Lung Cancer Incidence Based Decision Support Systems Approach for 2nd National1st International Scientific Conference Of Veterinary Medicine And Science (NISCVMS-2021)"
10. Review a paper entitled "Differentially Private Model Release for Health Care Applications", for TJCA-2020-0493 for International Journal of Computers and Applications.
11. Review a paper entitled "Data-driven frequency warping for robust speaker verification for Computers & Electrical Engineering journal/2017

12. Review a paper entitled "Literature Review on Cyber Attacks Detection and Prevention Schemes for International Conference on Intelligent Technology, System and Service for Internet of Everything, ITSS-IoE 2021, University Science & Technology,1-2, 2021
13. Review a paper entitled "Bibliometric Analysis of Publication Trends in Supply Chain Finance Schemes for International Conference on Intelligent Technology, System and Service for Internet of Everything, ITSS-IoE 2021, University Science & Technology,1-2, 2021
14. Review a paper entitled " Resolving Student Teachers' Pedagogical Competence Through Benchmarking for International Conference on Intelligent Technology, System and Service for Internet of Everything, ITSS-IoE 2021, University Science & Technology,1-2, 2021
15. Review a paper entitled " Ultra-Low Profile, Compact Quasi-Yagi Antenna Suitable for International Conference on Intelligent Technology, System and Service for Internet of Everything, ITSS-IoE 2021, University Science & Technology,1-2, 2021

C. Publications

Journals, Conferences Papers and Posters Publications

16. Speaker Verification Performance using Reverberant Limited Data has been submited to the International Journal of Speech Technology (IJST) and now under review-2021
17. Khamis A. Al-Karawi , Model Selection toward Robustness Speaker Verification in Reverberant Conditions", has been accepted in the multimedia tools and applications Journal-July-2021 and now under publication
18. A. Aljuboori, A. Tawfeeq, L.A., K. Al-Karawi, Pushing towards ehealth for Iraqi hypertensives: Indonesian Journal of Electrical Engineering and Computer Science, Volume 22,Issue 1,Pages 522–533- 2021
19. Duraid Mohammed, Khamis A. Al-Karawi, , Ahmed Aljuboori, Robust Speaker Verification by Combining MFCC and Entrocy in Noisy Conditions, Bulletin of Electrical Engineering and Informatics Journal, Volume 10, Issue, 4, August 2021

20. Khamis A. Al-Karawi, Duraid Mohammed , Improving Short Utterance Speaker Verification by Combining MFCC and Entrocy in Noisy Conditions, Multimedia tools and applications Journal, Volume 80, Issue 14, Pages 22231-22249,Publisher Springer US-March 20121
21. Abdulrahman S. Alenizi, Khamis A. Al-karawi, Cloud Computing Adoption based Digital Open Government Services: challenges and barriers has been accepted in the 6th International Congress on Information and Communication Technology in concurrent with ICT Excellence Awards (ICICT 2021) will be held at London, United Kingdom - February 25 - 26, 2021. ICICT 2021
22. Khamis A. Al-Karawi, Mitigate the reverberation effect on the speaker verification performance using different methods, International Journal of Speech Technology (IJST), v 24, pages143–153 (2021) Publication date 18 /11/2020
23. Abdulrahman S. Alenizi, Khamis A. Al-karawi, User Acceptance of voice Biometrics in Digital Open Government to improve Security, High Technology Letters Volume 26 issue 12 2020
24. Robust speaker recognition in reverberant condition-toward greater biometric security,2109
25. Khamis A Al-karawi, Robustness Speaker Recognition Based on Feature Space in Clean and Noisy Condition, International Journal of Sensors, Wireless Communications and Control, Vol 9, P 1-10, 2019
26. Duraid Mohammed, Khamis A. Al-Karawi, Philip Duncan, Francis F. Li, Overlapped Music segmentation using a new Effective Feature and Random Forests, International Journal of artificial intelligence (IJ-AI), Vol 8(2) pp181-189, June 2019
27. Khamis A. Al-Karawi, Duraid Mohammed, Early reflection detection using autocorrelation to improve robustness of speaker verification in reverberant conditions,International Journal of Speech Technology (IJST) volume 22, pages1077–1084 (2019)
28. Duraid Mohammed, Khamis A. Al-Karawi, Mitigate the Reverberant Effects on Speaker Recognition via Multi-training) to The First international conference on Applied computing to support industry: Innovation and technology (ACRIT 2019)

29. K. Alkarawi, and F. Li ‘Autocorrelation Detection for Early Reflection to Improve Robustness of Speaker Verification in Reverberant Conditions’ Salford Postgraduate Annual Research Conference 2018 (SPARC), July 2018.
30. K. Alkarawi ‘Autocorrelation Detection for Early Reflection to Improve Robustness of Speaker Verification in Reverberant Conditions’ IEEE- International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC). Nadu, India,2018,pp.46-51
31. K. Alkarawi, and F. Li ‘Robust speaker verification in reverberant conditions using estimated acoustic parameters-A maximum likelihood estimation and training on the fly approach’ IEEE-the seventh international conference on Innovative Computing Technology (INTECH), Luton,UK 2017, PP.52-57.
32. K. Alkarawi, and F. Li ‘Speaker recognition in reverberation environments using multi-condition training’ Salford Postgraduate Annual Research Conference 2017 (SPARC), June 2017, pp. 68-68.
33. K. Alkarawi and F. Li ‘Evaluate the effect of reverberation time and source to receiver distance on the performance of speaker recognition’ in Proceedings of the CSE 2016 Annual PGR Symposium 2016 (CSE-PGSym16), April 2016, pp20-20.
34. K. Alkarawi, and F. Li ‘Evaluated the robustness of MFCC, and GFCC features in reverberation environment’ Salford Postgraduate Annual Research Conference 2016 (SPARC) May 2016, pp. 66-66
35. K. Alkarawi, A. Alnoori, and F. Li,’’Automatic Speaker Recognition System in Adverse Conditions-Implication of Noise and Reverberation on System Performance’’. International Journal of Information and Electronics Engineering, Vol.5, No.6, pp. 423-427, November 2015
36. K. Alkarawi, A. Alnoori, and F. Li, ‘Automatic Speaker Recognition System in Adverse Conditions-Implication of Noise and Reverberation on System Performance’ The 7th

International Conference on Computer Engineering and Technology (ICCET). Paris, France, April 2015,pp 160-160.

37. A. Alnoori, K. Alkarawi and F. Li ‘Improve Robustness of Speaker Recognition in Noisy and Reverberant Conditions via Training’ IEEE- European Intelligence and Security Informatics Conference (EISIC) , Manchester,UK, Sep 2015, pp. 180-180.
38. A poster on the implementation of the MSR toolbox as a speaker recognition system, Salford Postgraduate Annual Research Conference 2015 (SPARC 2015).
39. K. Alkarawi and F. Li ‘Evaluate the performance of a speaker recognition system in reverberation condition’ Salford Postgraduate Annual Research Conference 2015 (SPARC) May 2015, pp. 59-59
40. Khamis A. Yousif “Characters and Digits Recognition Using Neural Network Learned by Particle Swarm Optimization” Diyala Journal For Pure Science, Vol.10, No.2, , pp. 73-91, April 2014.