**Khamis Al-karawi**

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**Profile**

* Achieved a PhD in computer Science and information security from Salford University, UK
* My interest teaching is speech recognition, Speaker recognition in noise and reverberant condition, digital signal processing, features extraction.
* Good communication and interpersonal skill both verbal and written.

**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 Interest**

* Speaker recognition in noise and reverberant condition
* Digital signal processing
* Features extraction

**Teaching Experiences**

1. Lecturer at Diyala University- college of Sciences- Computer department/ Iraq from 1/9/2009 till 1/7/2010 for subjects
* Computer Security
* Speech enhancements
* Digital signal processing
* Features extraction.
* Programming by C-language and Matlab.
* Working with DOS, Window.
* Data analysis using Excel and SPSS
* Using Matlab to coding statistical equations
* Using Microsoft office (word, Excel, PowerPoint)
* Solving the mathematical Equation using Matlab.
* C++ language
* Analysis data using SPSS

**Skills**

* Computer Application (Microsoft Office software)
* Skills: Lecture Design, Presentation,scientific communication, research

**Training Courses**

* SISCO training/ certificate
* Microsoft Office Specialist (MOS) certification/2011
* [Graduate Teaching Studentship Scheme](http://www.pg.salford.ac.uk/g-t-s) (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](http://www.salford.ac.uk/library%20/%20%2026) Sep 2014/ certificate

**Publications**

### Journals, Conferences Papers and Posters Publications

1. [Khamis A. Yousif](https://www.iasj.net/iasj?func=search&query=au:%22Khamis%20A.%20Yousif%20%D8%AE%D9%85%DB%8C%D8%B3%20%D8%A7%D8%AD%D9%85%D8%AF%20%DB%8C%D9%88%D8%B3%D9%81%22&formQuery=au:%22Khamis%20A.%20Yousif%20%D8%AE%D9%85%DB%8C%D8%B3%20%D8%A7%D8%AD%D9%85%D8%AF%20%DB%8C%D9%88%D8%B3%D9%81%22&uiLanguage=ar) “Characters and Digits Recognition Using Neural Network Learned by Particle Swarm Optimization” [Diyala Journal For Pure Science](https://www.iasj.net/iasj?func=issues&jId=170&uiLanguage=ar), Vol.10, No.2, , pp. 73-91, April 2014.
2. 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
3. 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.
4. 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.
5. 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.
6. 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
7. A poster on the implementation of the MSR toolbox as a speaker recognition system, Salford Postgraduate Annual Research Conference 2015 (SPARC 2015).
8. 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
9. 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.
10. 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
11. 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.
12. 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.
13. [Robust speaker recognition in reverberant condition-toward greater biometric security](http://usir.salford.ac.uk/id/eprint/47139/?template=banner),2109
14. 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
15. 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
16. 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) International Journal of Speech Technology 22 (4), 1077-1084
17. 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)