



# ALI ALMISREB



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<http://alimisreb.wix.com/almisreb>



## CAREER GOAL

To begin my lecturer career at a highly-reputed and eminent educational university and to gain exceptional career move ahead through long efforts and performance regularity.



## EDUCATION

2016

**PhD in Electrical Engineering-with Best Research Student Award (Anugerah Penyelidik Cemerlang-APC)**

**Universiti Teknologi MARA (UiTM), Malaysia**

**Thesis:** Consonants Recognition And Noise Reduction For Arabic Phonemes Based Malay Speakers.

2012

**Master in Computer Science**

**Universiti Teknologi MARA (UiTM), Malaysia**

**CGPA:** 3.11

**Dissertation:** Develop New Recognition System Based On The Human Ear With Ear Images Database Contains 200 Images.

**Bachelor in Computer Engineering (Hons)**

2008

**Ittihad Private University, Syria**

**CGPA:** 83.86

**Final Year Project:** Develop Iris Recognition System Using Neural Networks Based on MATLAB.



## WORKING EXPERIENCE

- **Internet of Things & NAO Humanoid Robot** training, programming and developing STEM course- Robopreneur Sdn Bhd. 1 Jan 2016 – present.
- **Consultant** under the KPT grant, Faculty of Electrical & Electronics engineering, University Malaysia Pahang, Pekan, 17 November-17 December 2015.
- **Research Assistant**, Universiti Teknologi Mara, Electrical Engineering Faculty (2012-2015).
- **Lecturer** at Faculty of Computer Engineering, IPU-Syria (Oct 2008 – Nov 2009).  
Brief Description:
  - 1- Programming languages.
  - 2- Networking course.
  - 3- Digital image processing.
  - 4- Signal processing.
  - 5- Electrical circuits.
  - 6- Digital circuits.



## LANGUAGES

- **SPOKEN** : Arabic, English, Bahasa Melayu, Mandarin (Basics)
- **WRITTEN:** Arabic, English, Bahasa Melayu



## PROJECTS

- Landslide based thermal imaging.
- Bearing fault detection based thermal imaging.
- Implement programmable machine.
- Arabic letter recognition system using neural networks.
- Arabic letters recognition using existing databases.
- Personal identification system based lips features.
- Simulate and implement digital clock based on counters ICs.



## Additional Information

**Type of Employment** : Full time or part time.

**Working Days** : I don't mind working outside office hours.

**Availability** : Immediately.

**Transport** : Yes.

**Expected Salary** : RM 3500



## Training attended

- Sesi Saringan Pemilihan Peserta Pertandingan Pidato Antarabangsa Bahasa Melayu Piala Perdana Menteri 2016 (PABM 2016), Putrajaya, 25 February 2016.
- Sesi Saringan Pemilihan Peserta Pertandingan Pidato Antarabangsa Bahasa Melayu Piala Perdana Menteri 2015 (Pabm 2015), Putrajaya, 28 April 2015.
- Program Pemantapan Bahasa Melayu Pelajar Antarabangsa, Bahagian Pembangunan Mahasiswa, Jabatan Pendidikan Tinggi, Ancasa Residences Port Dickson, Negri Sembilan, 9-11 October 2015.
- Research strategy & literature review workshop 2011 "The backbone of research", UiTM, February 2011.
- Biometrics summer school, USM, July 2010.
- Workshop on system identification with practical approach using Matlab, UiTM, June 2010.



## Research Area

- Iris Recognition/ Ear Recognition/ Lips Recognition/ Speech Recognition.
- Pattern Recognition.
- Acoustic Signal Processing.
- Machine Learning using Deep Neural Networks.
- Applications based thermal imaging.



## Publications

1. Almisreb, A.A.; Tahir, N.M.; Samad, M, "Pupil Localization Using Negative Function and the Four Neighbors", Computational Intelligence, Modelling and Simulation (CIMSIM), 2010 Second International Conference, 2010.
2. Almisreb, A.A.; Tahir, N.M.; Ismail, A.I.; Abdullah, R., "Enhancement pupil isolation method in iris recognition", System Engineering and Technology (ICSET), 2011 IEEE International Conference, ICSET, 2011.
3. Almisreb, A.A.; Jamil, N., "Automated Ear Segmentation in Various Illumination Conditions", Signal Processing and its Applications (CSPA), 2012 IEEE 8th International Colloquium on, 2012.
4. Almisreb, A.A.; Tahir, N.M., "Enhancement of Iris Boundary Detection Based on Otsu Method", IEEE Symposium On Computers & Informatics, 2013.
5. Almisreb, A.A.; Ahmad Farid bin Abidin; Tahir, N.M., "Arabic Letters Corpus Based Malay Speaker-Independent", 2013 International Conference on System Engineering and Technology (ICSET 2013).
6. Almisreb, A.A.; Jamil, N.; Tahir, N.M., "Enhancement of Ear Segmentation Approach Based on Graph Cut Method", 2013 IEEE Symposium on Industrial Electronics and Applications (ISIEA 2013).
7. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Segmentation of Arabic Letters Signals Using Multiscale Principal Components Analysis and Zero-Crossing Rate Based Malay Speakers", international Conference on control system, computing and engineering (ICCSCE2013).
8. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Arabic Phonemes Recognition System for Malay Speakers using Neural Networks", IEEE Symposium on Wireless Technology & applications, 2014.
9. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Noise Effects on the Recognition Rate of Arabic Phonemes by Malay Speakers", IEEE Symposium on Industrial Electronics and Applications, 2014.
10. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Comparison of Speech Features for Arabic Phonemes Recognition System based Malay Speakers", IEEE Conference on System, Process & Control, 2014.
11. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Continuous Arabic alphabets Corpus Uttered by Malay speakers", IEEE Conference on System, Process & Control, 2014.
12. Jamil, Nursuriati, Ali AlMisreb, and Alfian Abdul Halin. "Illumination-invariant Ear Authentication." *Procedia Computer Science* 42 (2014): 271-278.
13. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Maxout Based Deep Neural Networks For Arabic Phonemes Recognition", 11th IEEE Colloquium on Signal Processing and its Applications, 2015.
14. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Investigation of Dynamic Time Warping and Neural Network for Arabic Phonemes Recognition Based Malay Speakers", 2015 International Conference on System Engineering and Technology, 2015.
15. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "An Acoustic Investigation of Arabic Vowels Pronounced by Malay Speakers", Journal of King Saud University-Computer and Information Sciences, 2015.
16. Ezrinda Mohd Zaihidee, Kamarul Hawari Ghazali, Almisreb, A.A., "Comparison Of Human Segmentation Using Thermal And Color Image In Outdoor Environment", IEEE Conference on System, Process & Control (ICSPC 2015), 18-20 December 2015.
17. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "Acoustical Comparison between Voiced and Voiceless Arabic Phonemes of Malay Speakers", International Conference on Control System, Computing and Engineering (ICCSCE 2015).
18. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "ACOUSTIC ANALYSIS OF ARABIC PHONEMES BASED-/a:/ VOWEL", 12th IEEE Colloquium on Signal Processing and its Applications (CSPA 2016), 4-6 March 2016.
19. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, "ACOUSTIC ANALYSIS OF ARABIC PHONEMES BASED-/a/ VOWEL", 12th IEEE Colloquium on Signal Processing and its Applications (CSPA 2016), 4-6 March 2016.



## Achievements & Rewards

1. Gold medal, "Ear Biometric Identification Based On Natural Illumination Environment" IID FKE 2012, UiTM Shah Alam, Malaysia, 2012.
2. Gold Medal, "Ear Biometric Identification Based On Natural Illumination Environment" IDEX 2013, UiTM Shah Alam, Malaysia, 2013.
3. Bronze Medal, "Ear Biometric Identification Based On Natural Illumination Environment with GUP", i-Idea 2013, Perlis, Malaysia, 2013.
4. Bronze Medal, "WHOSE EAR IS THIS ? - A BIOMETRIC IDENTIFICATION", IIDJ 2013, Johor, Malaysia, 2013.
5. Bronze Medal, "Arabic Letters Recognition System For Malay Speakers", IIDJ 2013, Johor, Malaysia, 2013.
6. Bronze Medal, "Arabic letters Recognition System for Malay Speakers V2", IID FKE 2013, UiTM Shah Alam, Malaysia, 2013.
7. Bronze Medal, "Arabic letters Recognition System for Malay Speakers V3", IP-2013, UiTM Pulau Pinang, Malaysia, 2013.
8. Bronze Medal, "WHOSE EAR IS THIS ? - A BIOMETRIC IDENTIFICATION", IP-2013, UiTM Pulau Pinang, Malaysia, 2013.
9. Silver Medal, "Arabic Constant Phonemes and vowels Recognition System for Malay Speakers", IID FKE 2014, UiTM Shah Alam, Malaysia, 2014.
10. Silver Medal, "Personal Identification System Based Lips Features", IID FKE 2014, UiTM Shah Alam, Malaysia, 2014.
11. Certificate of Best Presenter, *IEEE Conference on System, Process & Control*, 2014.



## Copyrights & Patents

1. Arabic letters Recognition System for Malay Speakers, Copyright Number: **LY2013001013**.
2. Ear Biometric Identification Based on Natural Illumination Environment, Copyright Number: **LY2013001012**.
3. Arabic Consonant Phonemes and vowels Recognition System for Malay Speakers, Copyright Number: **LY2014002264**.
4. Personal Identification System Based Lips Features, Copyright Number: **LY2014002263**.



## Professional Talks

- Biometrics, and its Application in Security. Management and Science University (MSU)- Faculty of Information Science and Engineering, 3-Feb-2016.
- Thermal Imaging and its applications in Landslide Prediction and Motor Bearing Fa Diagnostic. Management and Science University (MSU)- Faculty of Information Science and Engineering –30-March-2016.



## REFERENCES

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