

ALI ABD ALMISREB



F2-6, Block A, IUS, Hrasnička cesta 15, Ilidža 71210, Sarajevo, BiH



00-387-62044476



alimes96@yahoo.com



<https://www.linkedin.com/in/ali-almisreb-24baa6bb/>



https://www.researchgate.net/profile/Ali_Almisreb3



<http://almisreb.blogspot.my/>

EDUCATION

• PhD:

- Universiti Teknologi MARA (UiTM).
- Faculty of Electrical Engineering (FKE).
- Department of Computer Engineering.
- Faculty Excellent Research Award (Anugerah Penyelidik Cemerlang-APC).
- Shah Alam, Malaysia
- 2016.
- **Thesis:** Consonants Recognition and Noise Reduction for Arabic Phonemes Based Malay Speakers.

• Master:

- Universiti Teknologi MARA (UiTM).
- Faculty of Computer Science and Mathematics (FSKM).
- Department of Computer Science.
- Shah Alam, Malaysia.
- 2012.
- **Thesis:** Develop New Recognition System Based on The Human Ear.

• Bachelor:

- Ittihad Private University (IPU).
- Faculty of Information Engineering.
- Department of Computer Engineering.
- Syria.
- 2008.
- **Thesis:** Developing an Iris Recognition System Using Neural Networks.

WORKING EXPERIENCE: for more: <http://almisreb.blogspot.my/>

- **Pie&AI Ambassador:** deeplearning.ai
 - 2023
- **Associate Professor Dr.:** International University of Sarajevo (IUS).
 - Faculty of Engineering and Natural Sciences.
 - Department of Computer Science and Engineering/ Department of Software Engineering.
 - Sarajevo, BiH.
 - 01-03-2023-Present.
- **Visiting Researcher:** University of Basel.
 - Department of Biomedical Engineering.
 - Switzerland.
 - June 2021-Present
- **Assistant Professor Dr.:** International University of Sarajevo (IUS).
 - Faculty of Engineering and Natural Sciences.
 - Department of Computer Science and Engineering/ Department of Software Engineering. Sarajevo, BiH.
 - 21-09-2018 to 28-02-2023.
- **Graduate Council Director:** International University of Sarajevo (IUS).
 - Sarajevo, BiH.
 - December 2020-Present.
- **Editor-in-Chief:** Southeast Europe Journal of Soft Computing.
 - January 2021
- **Post-Doctoral Researcher:** Universiti Tenaga Nasional (UNITEN).
 - Satellite Image Processing, Deep Learning.
 - Putrajaya-Malaysia.
 - 1/6/2017-20/09/2018.
- **Internet of Things&NAO Humanoid Robot:** Training, Programming and Developing STEM Course.
 - Robopreneur Sdn Bhd, Malaysia.
 - 01/01/2016 – 10/11/2016. Details in appendix A.
- **Post Graduate Students Consultant:** under the KPT grant.
 - Faculty of Electrical & Electronics Engineering.
 - University Malaysia Pahang, Malaysia, Pahang, Pekan.
 - 17 November-17 December 2015.
- **Research Assistant:** Universiti Teknologi Mara- (UiTM).
 - Electrical Engineering Faculty, Shah Alam, Malaysia.
 - 2012-2015.
- **Teaching Assistant:** Ittihad Private University (IPU).
 - Faculty of Computer Engineering, Syria.
 - July 2008 – Nov 2009. Details in Appendix B.

TEACHING:

1. Teaching. Research. Programming: C, C++, Python, MATLAB
2. Artificial Intelligence, Deep Learning: TensorFlow, MATLAB.
3. Image Processing, Signal Processing, STEM
4. Web Application Development-Fall 2018, 2019, 2020, 2021, 2022-IUS.
5. Operating Systems- Fall 2018, 2019 & 2020-IUS.
6. Network Programming- Fall 2018 & 2020-IUS.
7. Computer Architecture- Spring 2019, Spring 2020-IUS.
8. Communication Systems and Networks-Spring 2019,2020-IUS.
9. Database Management-Spring 2019, 2023-IUS.
10. Advanced Computer Vision (M.Sc.) - Spring 2019-IUS.
11. Advanced Artificial Intelligence (M.Sc.) - Fall 2019, 2023- IUS
12. Software Engineering Management - Spring 2020 - IUS.
13. Quantum Computing - Spring 2019, 2020, 2022- IUS.
14. Digital Forensics, Fall 2021, 2022 IUS.
15. Graduation Project, Spring 2022-IUS.
16. Fuzzy Logics and Neural Networks (M.Sc.), Spring 2022-IUS.
17. Artificial Neural Networks. 2023 IUS.

ADDITIONAL INFORMATION

Availability: /MM/2023.

Expected Salary: 0000\$

Grants:

1. Deep Learning-Based Prediction and Detection (DLPD) Model for Prediction and Detection of Criminal Patterns, 84,400.00 MYR, Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MOHE), Malaysia, 1 Sept 2019 – 30 November 2022.
2. Co-PI: “Intelligent Clustered Body Language Analysis of Healthcare Patients,” **718000 AED**, Strategic Research Program, UAE University, 1 January 2022 – 31 December 2025.

Licenses & certifications:

1. Convolutional Neural Networks in TensorFlow, Coursera, Issued Mar 2023, Credential ID CH2TXVRBAYVG.
2. AI For Everyone, Coursera, Issued Feb 2023, Credential ID S38GA2ZJY3P7.
3. Artificial Intelligence, Machine Learning, and Deep Learning, Coursera, Issued Feb 2023, Credential ID T8TNZAVA3B6D.

A. FYP

Fall 2018

1. **Özgür Altinkaya**, *Speaker Identification Using Deep Learning Techniques Based on Turkish Speakers.*
2. **Emad Obaidat**, *Text Detection, and Recognition in Images Using Deep Learning Algorithms.*

Spring 2019

3. **Burak Durmaz**, *Quality Assessment of Fruits and Vegetables Using Deep Learning Techniques.*
4. **Oguzhan Yildiz**, *Facial Recognition Using Deep Learning and Raspberry pi.*
5. **Abdullah Pehlic**, *Bosnian Food Recognition Using Deep Learning: IUS Canteen Case Study.*
6. **Amer Hrnjic**, *Plant Disease Identification Using Deep Learning Approaches.*
7. **Senad Osmic**, *Radar Track: a Mobile Application.*
8. **Amna Sinanovic**, *Deep Learning for Blossom Recognition.*

Fall 2019

9. **Amila Bahor**, *Can Deep Learning Detect Vandalism? Text Detection in Images: A Case Study. Joint Project.*
10. **Adna Cazinkic**, *Can Deep Learning Detect Vandalism? Text Detection in Images: A Case Study. Joint Project.*
11. **Ilma Zolota**, *Can Deep Learning Detect Vandalism? Text Detection in Images: A Case Study. Joint Project.*
12. **Edin Zecevic**, *Bluetooth controller of prices on the gas station price list.*
13. **Ahmed Tali**, *Arabic Handwriting Recognition using Deep Learning Techniques.*
14. **Asja Bunjo**, *Emotion Recognition using Deep Learning Techniques.*
15. **Hamza Halilovic**, *Smile Detection using Machine Learning approaches.*

Spring 2020

16. **Adnan Bahtić**, *Gender Category Detection Through Speech Recognition and Deep Learning, Joint Project.*
17. **Imran Dautović**, *Gender Category Detection Through Speech Recognition and Deep Learning, Joint Project.*
18. **Abdullah Fatota**, *Open-source PDF Viewer and Editor.*
19. **Dino Saciragic**, *Mobile Application for Online Food Ordering System.*
20. **Adna Hajrovic**, *Generate Bosnian Language Text Using Deep Learning.*
21. **Ahmed Aletic**, *Bosnian vowel recognition using Quantum Machine Learning.*
22. **Harun Saranovic**, *AI Grocery Items App.*
23. **Irfan Duric**, *Machine Learning application in Items recognition.*
24. **Merjem Kudeimati**, *Web Store for Optic Products.*

Fall 2020

25. **Almina Musinbegovic**
26. **Dzenan Hodzic**

Spring 2021

27. **Aid Semic**, *Covid-19 Awareness Platform.*
28. **Amel Becic**, *Jobpost.com, Web Application.*
29. **Armin Isakovic**, *3D Image Classification from CT Scans.*
30. **Fatima Velic**, *The Effects of Using Different Structuring Elements On Morphological Operations*

31. **Kenan Jamakovic**, *FRUITABLE – Mobile Application For Predicting Age Of Fruits And Vegetables*
32. **Lejla Tasakovic**, *Bosnian Handwritten Alphabet Classification Using Deep Learning Methods.*
33. **Sarah Sarac**, *Automation Testing Of Web Applications.*
34. **Sanjin Hadimusic**, *Automation Testing Of Web Applications*
35. **Fatima Dautovic**, *Creating And Detecting Deepfake Videos To Raise Awareness Of Society*
36. **Belkisa Nukic**, *Creating And Detecting Deepfake Videos To Raise Awareness Of Society*
37. **Husein Fazlic**, *Traffic Road Signs Recognition.*
38. **Osman Fazlic**, *CROWD MANAGEMENT SYSTEM.*
39. **Ahmed Nurovic**, *Animal Rescue Sarajevo*
40. **Amir Bajraktarevic**, *Coronatrack: Covid Management System*
41. **Faruk Abaz**, *Live Face Mask Detection*
42. **Harun Sarac**, *Flayer – Website Application For Print Shop Management System*
43. **Husein Muftic**, *Agrogo – Info System Of Bosnia And Herzegovina Plants*
44. **Adna Alic**, *Analysis Of Air Pollution In Sarajevo*
45. **Lejla Mujakic**, *Analysis Of Air Pollution In Sarajevo*
46. **Zinedin Hadiajljija**, *Analysis Of Air Pollution In Sarajevo*
47. **Elmedina Avdibasic**, *Data Analysis For Weather Condition.*

Fall 2021

48. **Faris Curevac**, *Defects Detection in Fruits and Vegetables.*
49. **Mehmet Akif Tanisik**, *Medical Images classification.*
50. **Ahmed Duranovic**, *Bosnian License Plate Detection And Classification.*

Spring 2022

51. **Amina Alihodzic**, *Digital Image Security: Concepts Of Steganography And watermarking.*
52. **Eldar Kepic**, *Enhancing Face Images From Surveillance Cameras Using Generative Adversarial Networks.*
53. **Emin Osmanbegovic**, *Utilizing Deep Learning Algorithms For Intrusion Detection .*
54. **Jasmin Dzubur**, *ETHTransfer-A Blockchain application for Ethereum transfer.*
55. **Mahmud Hrnjic**, *Detecting Potential Sexual Harassment Using Anomaly Detection.*
56. **Suad Fijuljanin**, *Installation Of Photovoltaic Solar Panels On The Household.*
57. **Tarik Sinanovic**, *Practical Implementation Of Machine Learning In E-Commerce Fraud Detection.*

Fall 2022

58. **Ahmed Osmanovic**
59. **Lejla Heganovic**
60. **Faris Fazlic**
61. **Hamza Gocobija**

Spring 2023

62. **Islam Kohil**
63. **Sanjin Prelic**
64. **Mehmed Mulalic**
65. **Ahmed Sabanovic**
66. **Ali Zaimovic**
67. **Amina Skrijelj**
68. **Selma Pljevljak**
69. **Armin Rejzovic**
70. **Harun Hadzo**
71. **Midhat Husic**

72. **Hatice Kubra Sarihan**
73. **Soundharya Parashuram**
74. **Omar Ahmetovic**
75. **Merjem Hujdur**
76. **Sarah Viteskic**
77. **Emir Mrkaljevic**

Internship Students

78. **Sadzida Halvadzic**, *Mobile application for visually impaired people*, IUS, 2020.
79. **Lejla Kovac**, *Mobile application for visually impaired people*, IUS, 2020.
80. **Abdullah Fatota**, *A Keras Sequential-based GUI Images Classifier*, IUS, 2020.
81. **Rijad Karabegovic**, *Javascript for Aunties, website*. IUS, 2021.

B. Masters Total: 21, Completed: 14.

1. **Omer Ahmetagic**, *Deep Learning Digital Image Analysis and Detection of The Counterfeited BAM Currency*, 20-08-2019- IUS. **Completed**
2. **Senad Osmic**, " *Driver Alert System based on Deep Learning Approaches* " **2020**. IUS. **Completed.**
3. **Samir Aliyev**, " *Azerbaijani Sign Language Real-Time Hand Gesture Recognition using Machine Learning Approaches* ", **2020**. IUS. **Completed**
4. **Melisa Kunovac**, " *Water Quality Assessment using LSTM Deep Learning Method: a Case Study based Bosnian Rivers* ", **2020**. IUS. **Completed.**
5. **Elmedin Skopljak**, " *Bosnian Sign Language Recognition Using Deep Learning Approaches* " **2020**. IUS. **Completed.**
6. **Mahir Patkovic**, " *Deep Learning for COVID19 Detection Based Images* ", **2022**, IUS.
7. **Abdullah Fatota**, " *Methodology and Tool Support for Source -Level Translation of C Syntax* ", **2021**, IUS. **Completed.**
8. **Adnan Bahtic**, " *Effects of Games and School Achievement in Primary Education* ", **2021**, IUS. **Completed.**
9. **Armin Basic**: " *Tourist Arrivals Forecasting Using Machine Learning Cloud Computing Services* " ", **2021**, IUS. **Completed.**
10. **Merjem Begovic**, *collaboration with Basel University, Switzerland*. **2022, IUS, Completed.**
11. **Anes Kelic**, *Big Data and Business Intelligence, A Data Driven Strategy for Business In Bosnia And Herzegovina*. **2022**, IUS. **Completed.**
12. **Sarah Sarac**, *A Case Study: Comparing Student Performance During covid-19 In Classes Conducted Online and Face-To-Face Using Anova*, **2022**, IUS. **Completed.**
13. **Sanjin Hadimusic**, *Research and application of SOA patterns in web application development*, **2022**, IUS. **Completed.**
14. **Adelisa Sirco**, *Deep Learning for Medical Images Processing Liver Tumor Segmentation*, **2022**, IUS. **Completed.**
15. **Husein Fazlic**, *Audio-Visual Speech Recognition for Digits in Bosnian Language Using Deep Learning Techniques*, **2023**, IUS, **Completed.**
16. **Ademir Babaic**, " *Fighting Against River Pollution: Monitoring Systems based Drones and 3D Modelling* " **2020**. IUS.
17. **Merjem Kudeimati**
18. **Maida Papic**
19. **Irfan Duric**
20. **Matima Fuftic**
21. **Mowalim Jr. Kalim**

22. Sadzida Basaric

C. PhD Total: 1, Completed: 1.

1. Mehmet Akif Yaman, International University of Sarajevo, 2020. *Completed*.
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External Examiner

A. PhD

1. Mostafa Salama R. Salama, **Doctor Of Philosophy (Computer Science)**, Management & Science University (MSU), Implementing *Newton's Forward Difference On Naive Bayes Classifier To Diagnose Gestational Diabetes Disease*, 12 August 2017.
2. Syed Mohd Zahid Bin Syed Zainal Ariffin, **Doctor Of Philosophy (Computer Science)**, Faculty of Computer Science and Mathematics, Universiti Teknologi MARA, 2020.
3. Mohammad Sameer Fantoul Aloun, **Doctor Of Philosophy (Computer Science)**, Faculty of Ocean Engineering Technology and Informatics, Universiti Malaysia Terengganu, 2021.

B. Masters

1. Aid Hadzic, **Master of Science (Computer Science)**, Faculty of Engineering and Natural Sciences, International University of Sarajevo, *Lossless Data Compression for Text Files*. 18.07.2019.
 2. Dino Sudzukovic, **Master of Science (Computer Science)**, Faculty of Engineering and Natural Sciences, International University of Sarajevo, *Analysis And Application Of Machine Learning Methods In Exoplanet Habitability Classification*, 06-09-2019.
 3. Kanita Krdžalić-Korić, **Master of Science (Computer Science)**, Faculty of Engineering and Natural Sciences, International University of Sarajevo, *News Classification Using Machine Learning Methods: The Case Of Bosnian Language*, 05-09-2019.
 4. Mehmed Duhovic, **Master of Science (Computer Science)**, Faculty of Engineering and Natural Sciences, International University of Sarajevo, *System Embedded Based Management Application Using Arduino And RFID Technology*. 2020.
 5. Kemal Temur, **Electrical and Electronics Engineering**, Faculty of Engineering and Natural Sciences, International University of Sarajevo, 2021.
 6. Kenan Kalisi, **Electrical and Electronics Engineering**, Faculty of Engineering and Natural Sciences, International University of Sarajevo, 2021.
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SELECTED PUBLICATIONS/ PROCEEDINGS

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., Jamil, N., & Din, N. M. (2018, March). *Utilizing AlexNet Deep Transfer Learning for Ear Recognition*. In 2018 Fourth International Conference on Information Retrieval and Knowledge Management (CAMP) (pp. 1-5). IEEE.
20. Almisreb, A. A., Tahir, N. M., Abidin, A. F., & Din, N. M. (2018, March). *Noise reduction approach for Arabic phonemes articulated by Malay speakers*. In 2018 IEEE 14th International Colloquium on Signal Processing & Its Applications (CSPA) (pp. 267-271). IEEE.
21. Ali Abd Almisreb, Sherzod Turaev, "Bosnian Currency Recognition Using Region Convolutional Neural Networks", INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (ICECS 2019), 1-4 May, 2019, Sarajevo, Bosnia and Herzegovina
22. Bakir Brkic, Himzo Hasak, Omar Hassan, Lejla Hodzic, Ali Abd Almisreb, *A Short Survey on Mobile Operating Systems*, INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (ICECS 2019), 1-4 May, 2019, Sarajevo, Bosnia and Herzegovina
23. Nooritawati Md Tahir, Hana'Abd Razak, Ali Abd Almisreb, *Anomalous Behaviour Detection using Transfer Learning Algorithm of Series and DAG Network*, IEEE International Conference on System Engineering and Technology (ICSET 2019), Scopus indexed, 7th October 2019.
24. S. Turaev, A. A. Almisreb and M. A. Saleh, "Application of Transfer Learning for Fruits and Vegetable Quality Assessment," 2020 14th International Conference on Innovations in Information Technology (IIT), Al Ain, 2020, pp. 7-12, doi: 10.1109/IIT50501.2020.9299048.
25. Nima Rabiei, Ali Almisreb, "AAR-Based Decomposition Method for Limit Analysis", EUROPT 2021 Virtual Conference July 7-9, 2021.
26. Mohd.A. Saleh, N.N. Mohamed, H Y Ting, Ali Abd Almisreb, *Blockchain Applications in Supply Chain: Platform Selection and Literary Analysis*, IICAIET2021: 3rd IEEE International Conference on Artificial Intelligence in Engineering and Technology At: Kota Kinabalu, Malaysia, 2022.
27. Salihović, Šejla, Sehabeddin Taha Imeci, Ali Almisreb, and Nooritawati Md Tahir. "Backward Wave Microstrip Coupler for Long Term Evolution Applications." In 2022 IEEE 13th Control and System Graduate Research Colloquium (ICSGRC), pp. 221-224. IEEE, 2022.

28. Hadzimusic, Sanjin, et al. "Design and Analysis of a Wideband Microstrip 3 dB Power Divider." 2022 IEEE Symposium on Industrial Electronics & Applications (ISIEA). IEEE, 2022.
29. Sirco, Adelisa, et al. "Liver Tumour Segmentation based on ResNet Technique." 2022 IEEE 12th International Conference on Control System, Computing and Engineering (ICCSCE). IEEE, 2022.
30. Tanisik, Mehmet Akif, et al. "Diagnosis of Cardiovascular Diseases Using Classification Algorithms." 2022 IEEE Symposium on Wireless Technology & Applications (ISWTA). IEEE, 2022.
31. N. Šišić, Ž. Peternelj, R. Rahmanzadeh, M. Weigel, P.-J. Lu, A. Abd Almisreb, P. Rogelj, M. Baraković, C. Granziera, "Neural network-based classification of remyelinated white matter lesions on quantitative susceptibility maps", 38th Congress of the European Committee for Treatment and Research in Multiple Sclerosis, 26 – 28 October 2022, Amsterdam, the Netherlands.
32. M. Begovic, M. Greselin, G. Riccardo, P.J. Lu, E.-W. Radue, E. Ruberte, L. Melie-Garcia, P. Cattin, A. Cagol, A. Almisreb, P. Benkert, S. Schaedelin, S. Subramaniam, L. Achtnichts, P. Lalive, C. Bridel, S. Müller, C. Pot-Kreis, A. Salmen, G. Disanto, C. Zecca, A. Orleth, O. Yaldizli, J. Oechtering, L. Kappos, T. Derfuss, D. Leppert, C. Gobbi, J. Kuhle, J. Lieb, E. Pravata, L. Remonda, J. Weber, F. Wagner, M. Barakovic, C. Granziera, "A DenseNet-based prediction of gadolinium-enhancing lesions presence", 38th Congress of the European Committee for Treatment and Research in Multiple Sclerosis, 26 – 28 October 2022, Amsterdam, the Netherlands.

PUBLICATIONS/ JOURNALS

1. Almisreb, A.A.; Jamil, N., Halin, A., A., "Illumination-invariant Ear Authentication", *Procedia Computer Science* 42:271-278 · December 2014.
2. 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.
3. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, Yasin, M., A., Che Abdulla, S. A., "Noise Reduction Approach for Arabic Phonemes Pronounced by Malay Speakers", *Journal of Engineering and Applied Sciences*, 2016.
4. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, Yasin, M., A., Che Abdulla, S. A., "Speech Enhancement based on 2D Gabor Filters for Arabic Phoneme Spoken by Malay Speakers", *Journal of Engineering and Applied Sciences*, 2016.
5. Almisreb, A.A., Abidin A.F., Nooritawati Md. Tahir, Yasin, M., A., Adnan, L. H., "Acoustical Comparison between /u/ and /u:/ Arabic Vowels Based Non-Native Speakers", *Journal of Engineering and Applied Sciences*, 2016.
6. Norliana Khamisan, Kamarul Hawari Ghazali, A.A. Almisreb, Aufa Huda Muhammad Zin," Condition Monitoring of Bearing Induction Motor Fault Diagnostics by using Thermal Camera" *Australian Journal of Basic and Applied Science (ISI/Thomson Reuters Web of Science/ERA) (online special issue) (ISSN: 1991-8178)*, 2016.
7. Sahak, Rohilah, et al. "Human Gait Recognition Using Skeleton Joint Coordinates with Orthogonal Least Square and Locally Linear Embedded Techniques." *International Journal of Simulation--Systems, Science & Technology* 19.5 (2018).
8. Jamil, N., Almisreb, A. A., Ariffin, S. M. Z. S. Z., Md Din, N., & Hamzah, R. (2018). *Can convolution neural network (CNN) triumph in ear recognition of uniform illumination invariant?*. *Indonesian Journal of Electrical Engineering and Computer Science*, 11(2), 558-566.
9. Almisreb, A. A., Tahir, N. M., Abidin, A. F., & Din, N. M. (2018). *Acoustical comparison between/u/and/u:/Arabic vowels for non-native speakers*. *Indonesian Journal of Electrical Engineering and Computer Science*, 11(1), 1-8.
10. Khamisan, N., Ghazali, K. H., Almisreb, A., & Zin, A. H. M. (2018). *Histogram-based of Healthy and Unhealthy Bearing Monitoring in Induction Motor by Using Thermal Camera*. *Journal of Telecommunication, Electronic and Computer Engineering (JTEC)*, 10(1-9), 31-35.
11. AA Norzeli, S.M., Ismail, I., Din, N.M., Ali, M.T., Saravani, S., Almisreb, " *Design of High Gain Microstrip Patch Reader Array Antenna with Parasitic Elements for UHF RFID Application*", *International Journal of Engineering and Technology (UAE)* 7 (4), 463-467, 2018.
12. Almisreb, A. A., Tahir, N. M., Abidin, A. F., & Din, N. M. (2018). *Speech enhancement based on 2D Gabor filters for Arabic phoneme spoken by Malay Speakers*. *International Journal of Engineering and Technology (UAE)*, 7(4), 231-235.

13. Almisreb, A. A., & Din, N. M. (2018). *Automatic transmission towers detection in low-resolution satellite images*. Journal of Fundamental and Applied Sciences, 10(6S), 451-461.
14. Ali Abd Almisreb, Mohamed A. Saleh, *Transfer Learning Utilization for Banknote Recognition: a Comparative Study Based on Bosnian Currency*, Southeast Europe Journal of Soft Computing, Vol (8), No (1), March **2019**.
15. Faris Fazlic, Seyed Ali Hashemi, Ahmed Aletic, Ali Abd Almisreb, Syamimi Mohd Norzeli, Norashidah Md Din, *A Survey On Security In Wireless Sensor Network*, Southeast Europe Journal of Soft Computing, Vol (8), No (1), March **2019**.
16. Haris Ackar, Ali Abd Almisreb, Mohamed A. Saleh, *A Review on Image Enhancement Techniques*, Southeast Europe Journal of Soft Computing, Vol (8), No (1), March **2019**.
17. Sobhan Saravani, Syamimi Mohd Norzeli, Norashidah Md Din, Siti Noratqah Mohamad Deros, Ahmed Mubarak Ahmed Al-Haiqi and Ali Abd Almisreb, *Antenna Miniaturization of RF Energy Harvesting System for IoT Applications*, International Graduate Conference on Energy, Engineering, Technology & Business Management **2019**.
18. Mabroukah M. A. Abuqadumah, Musab A. M. Ali, Ali Abd Almisreb, Benjamin Durakovic, *Deep Transfer Learning for Human Identification Based on Footprint: A Comparative Study*, Period. Eng. Nat. Sci., vol. 7, no. 2, pp. , **2019**.
19. Nurul Azwin, Siti Noratqah, Norashidah Md Din, Ali Abd Almisreb, *A Taxonomy for Coral Reef Classification Components*, International Journal of Advanced Science and Technology, Vol 28 No 10, **2019-10-19**.
20. Ammar Ahmed Alkahtani Syamimi Mohd Norzeli, Ismarani Ismail, Norashidah Md Din, Mohd Tarmizi Ali, Ali Abd Almisreb, *A rectangular CSRR based microstrip UHF reader patch antenna for RFID applications*, indonesian journal of electrical engineering and computer science, **2020**.
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PUBLICATIONS/ BOOKS

1. Almisreb, A.A.; Nooritawati M. T., "Happy Mathematics Learning with NAO", registered under the copyright number MyIPO-LY2016003089, 17-11-2016.
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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" IIDEX 2013, UiTM Shah Alam, Malaysia, 2013.
3. Bronze Medal, "Ear Biometric Identification Based On Natural Illumination Environment with GUI", 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.

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1. Arabic letters Recognition System for Malay Speakers, Copyright Number: MyIPO-LY2013001013.
2. Ear Biometric Identification Based on Natural Illumination Environment, Copyright Number: MyIPO-LY2013001012.
3. Arabic Consonant Phonemes and vowels Recognition System for Malay Speakers, Copyright Number: MyIPO-LY2014002264.
4. Personal Identification System Based Lips Features, Copyright Number: MyIPO-LY2014002263.
5. Happy Mathematics Learning with NAO, Copyright number MyIPO-LY2016003089.

PROFESSIONAL TALKS / PARTICIPATIONS

1. Talk: *Biometrics, and its Application in Security*. Management and Science University (MSU) - Faculty of Information Science and Engineering, 3-Feb-2016.
2. Talk: *Thermal Imaging and its applications in Landslide Prediction and Motor Bearing Fault Diagnostic*. Management and Science University (MSU)- Faculty of Information Science and Engineering, 30-March-2016.
3. Judge: in *School Category* at the 2016 IEEE-RAS International Robot PRIDE Competition, 24-25 September 2016, Ipoh, Malaysia.
4. Judge: in *University/Collage Category* at the 2016 IEEE-RAS International Robot PRIDE Competition, 24-25 September 2016, Ipoh, Malaysia.
5. TV interview: Jurnal Bernama: <http://almisreb.blogspot.my/2016/08/liputan-teknologi-robotik-di-malaysia.html>.
6. Newspaper Coverage: Perkasa kejuruteraan kimia lonjak penarafan universiti di : <http://www.bharian.com.my/node/183653>
7. Newspaper Coverage: *Menteri Nasihat Pelajar Usah Sertai Perhimpunan* di: <http://www.bernama.com/bernama/v8/bm/ge/newsgeneral.php?id=1273067>
8. Judge: FYP, Faculty Biomedical Engineering, Politeknik Shah Alam.
9. Chief of Judges: in *Battle of Sumorobot & Industrial Automation TVET Conference (Industry 4.0)*, 23-24-May 2017, Putrajaya, Malaysia.

Memberships

1. **Editorial Board member**, Journal of Natural Sciences and Mathematics of UT, University Of Tetova, Tetova, Republic Of North Macedonia.
2. **Editorial Board member**, Journal of Sustainable Engineering and Innovation, Bosnia.

Workshops

- Hands-on Deep learning using Matlab, Centaurus, Level 1, The Energy Sphere (Block BE), Universiti Tenaga Nasional (Putrajaya Campus), 4th-September-2018.
 - Module 1: Introduction to deep learning.
 - Module 2: Transfer learning.
 - Module 3: Semantic segmentation.
- Hands-on Deep learning using Matlab, Centaurus, Level 1, The Energy Sphere (Block BE), Universiti Tenaga Nasional (Putrajaya Campus), 18th-19th-September-2018.
 - Module 1: Introduction to deep learning.

- Module 2: Transfer learning.
- Module 3: Semantic segmentation.
- Deep learning with Python-Tensorflow applications
- Introduction to object detection and recognition.
 - R-CNN.
 - Fast R-CNN.
 - Faster R-CNN.
 - Object detection and recognition with TensorFlow, Real-time Applications

REFERENCES

- **Assistant Professor SeyedNima Rabiei**
 - Faculty of Engineering and Natural Sciences
 - International University of Sarajevo
 - Phone: +387 60 30 12 755
 - Email: nrabiei@ius.edu.ba
- **Prof. Dr. Kamarul Hawari Bin Ghazali**
 - Dean of FKKE (UMP)
 - Phone: +60 17-771 2224.
 - Email: kamarul@ump.edu.my
- **Prof. Dr. Nooritawati Md. Tahir**
 - Chairman of Communities of Research (CoRe).
 - Director of Advanced Computing & Communication (ACC), Office of Vice-Chancellor. (Research & Innovation), Universiti Teknologi MARA (UiTM).
 - Phone: 00603-5543 7908.
 - Email: noori425@salam.uitm.edu.my.
- **Assoc. Prof. Ir. Dr. Ahmad Farid Abidin**
 - Head, Centre for Electrical Power Engineering Studies.
 - Phone: +6-03-55436076.
 - Email: ahmad924@salam.uitm.edu.my.

LANGUAGES

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

TRAINING ATTENDED

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