

Curriculum Vitae



CONTACT INFORMATION

Full Name: ZAID ABDI ALKAREEM YAHYA ALYASSERI
Address: 2C-15-05 E-park Condominium, Jalan Batu Uban, 11700, Gelogur, Penang , Malaysia
Mobile: +601133833965, WhatsApp, Viber: +601133833965
Email: zaid.alyasseri@uokufa.edu.iq , zaidusm@gmail.com

PERSONAL INFORMATION

Date of Birth: 15/12/1985
Place of Birth: Najaf/Iraq
Nationality: Iraqi
Sex: Male
Marital Status: Married

Education

Education	From	To	University
BSc in Computer Science	2003	2007	Babylon University
MSc in Computer Science (Information and Knowledge Engineering)	2011	2013	University Science Malaysia
Ph.D. in Computer Science/ Artificial Intelligence (Brain-Inspired Computing)	2016	2020	University Science Malaysia

Researches of Interest

1. Optimization techniques,
2. Machine Learning and Deep Learning.
3. Signal and Image Processing,
4. Biometrics,
5. Artificial Intelligence,
6. Bio-signal analysis (EEG, EOG, MOG, and ECG Signals),
7. Brain-Computer Interface (BCI),
8. Feature Extraction and Feature Selection,
9. Algorithms Designing,
10. Big Data Analytics, and
11. Pattern Recognition.

Professional Qualification/ Membership/ Affiliation

1. Senior Member IEEE (SMIEEE)
2. IEEE Signal Processing Society Membership
3. IEEE Biometrics Council
4. IEEE Young Professionals
5. IEEE Sensors Council
6. IEEE Council on RFID
7. IEEE Computer Society Membership
8. Member in the International Association of Engineers (IAENG)

Appointments

Position	Duration
Programmer at ITRDC/ University of Kufa	Oct 2007-Nov 2010
Head of programming group at ITRDC/ University of Kufa	May 2013- Oct 2014
Academic Staff: Electronics and Communication Engineering Department, Faculty of Engineering, University of Kufa	Sep. 2013- Sep. 2016.
Teaching Assistant: School of Computer Sciences. University Sains Malaysia (USM) for postgraduate study.	Sep. 2016- Jan 2020 (See the attached picture)
Researcher: STAR LABs Bioscience Sdn Bhd-Penang, Malaysia	July 2019-Dec 2019
BCI senior researcher: Braintech Sdn Bhd-Penang, Malaysia	Sep 2019-April 2020

Programming Skills

1. **Python,**
2. **R-Language,**
3. **C/C++,**
4. **Java,**
5. **MATLAB and Simulink.**

Teaching Experiences

List of Teaching Courses- Undergraduate

- 1- Programming (C/C++ and Python).
- 2- Artificial Intelligence.
- 3- Computer-Aid Design (MATLAB).
- 4- Image processing and signal processing.
- 5- Machine learning and deep learning.
- 6- Discrete structures.

List of Teaching Courses- Postgraduate

- 1- Data visualization and visualizing analysis.
- 2- Multimodal Information Retrieval.
- 3- Principles and Practices of Data Science and Analysis.

Publications

Articles Paper

1. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., & Alomari, O. A.. (2020). Person Identification using EEG Channel Selection with Hybrid Flower Pollination Algorithm. **Pattern Recognition**.
2. Abasi, A. K., Khader, A. T., Al-Betar, M. A., Naim, **Alyasseri, Z. A. A.** & S., Makhadmeh, S. N., (2020). A Novel Hybrid Multi-Verse Optimizer with K-Means for Text Documents Clustering. **Neural Computing and Applications**.
3. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Abasi, A. K., & Makhadmeh, S. N. (2020). EEG Signals Denoising Using Optimal Wavelet Transform Hybridized With Efficient Metaheuristic Methods. **IEEE Access**, 8, 10584-10605.
4. Abasi, A. K., Khader, A. T., Al-Betar, M. A., Naim, S., Makhadmeh, S. N., & **Alyasseri, Z. A. A.** (2020). Link-based multi-verse optimizer for text documents clustering. **Applied Soft Computing**, 87, 106002.
5. Makhadmeh, S. N., Khader, A. T., Al-Betar, M. A., Naim, S., Abasi, A. K., & **Alyasseri, Z. A. A.** (2019). Optimization methods for power scheduling problems in smart home: Survey. **Renewable and Sustainable Energy Reviews**, 115, 109362.
6. Al-Betar, M. A., Awadallah, M. A., Doush, I. A., Hammouri, A. I., Mafarja, M., & **Alyasseri, Z. A. A.** (2019). Island flower pollination algorithm for global optimization. **The Journal of Supercomputing**, 1-44.
7. **Zaid Abdi Alkareem Alyasseri**, Ahamad Tajudin Khuder, Mohammed Azmi Al-Betar, and Mohammed A. AWADALLAH, Hybridizing β -hill climbing with wavelet transform for denoising ECG signals, 2018, **Information Sciences**, 429, 229–246
8. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Papa, J. P., & Alomari, O. A. (2018). EEG Feature Extraction for Person Identification using Wavelet Decomposition and Multi-Objective Flower Pollination Algorithm. **IEEE Access**.
9. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Papa, J. P., Alomari, O. A., & Makhadmeh, S. N. (2018). Classification of EEG mental tasks using Multi-Objective Flower Pollination Algorithm for Person Identification. **International Journal of Integrated Engineering**, 10(7).
10. Ali, N. S., **Alyasseri, Z. A. A.**, & Abdulmohson, A. (2018). Real-Time Heart Pulse Monitoring Technique Using Wireless Sensor Network and Mobile Application. **International Journal of Electrical and Computer Engineering**, 8(6).
11. Ali, N. S., & **Alyasseri, Z. A. A.** (2017). Wireless Sensor Network and Web Application Hybrid Scheme for Healthcare Monitoring. **Journal of Soft Computing and Decision Support Systems**, 4(5), 1-7.
12. Al-Betar Mohammed, **Zaid Abdi Alkareem Alyasseri**, Ahamad Tajudin Khuder, and Mohammed A. AWADALLAH, Gray image enhancement using harmony search, 2016, **International Journal of Computational Intelligence Systems**
13. Parallelize Bubble Sort Algorithm Using OpenMP, **Zaid Abdi Alkareem Alyasseri**, Kadhim Al-Attar, Mazin Nasser, ISMAIL, **International Journal of Advanced Research in Computer Science and Software Engineering**, 2014, Vol(4), PP(103-110).
14. Survey of Parallel Computing with MATLAB, **Zaid Abdi Alkareem Alyasseri**, **European academic journal**, 2014.
15. **Zaid Abdi Alkareem Alyasseri**, Kadhim Al-Attar, Mazin Nasser, Parallelize Bubble and Merge Sort Algorithms Using Message Passing Interface, 2016, **Journal of Computer Science & Computational Mathematics (JCSCM)**, Volume 6, Issue 2, June 2016.
16. **Alyasseri, Zaid Abdi Alkareem.** "Face Recognition using Independent Component Analysis Algorithm.", **International Journal of Computer Applications** 126.3 (2015).

Conferences Paper

1. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Abasi, A., Makhadmeh, S., & Ali, N. S. (2019, April). The effects of EEG feature extraction using multi-wavelet decomposition for mental tasks classification. In Proceedings of the International Conference on Information and Communication Technology (pp. 139-146). ACM.
2. Makhadmeh, S. N., Khader, A. T., Al-Betar, M. A., Naim, S., **Alyasseri, Z. A. A.**, & Abasi, A. K. (2019, April). Particle Swarm optimization Algorithm for Power Scheduling Problem Using Smart Battery. In 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) (pp. 672-677). IEEE.
3. Abasi, A. K., Khader, A. T., Al-Betar, M. A., Naim, S., Makhadmeh, S. N., & **Alyasseri, Z. A. A.** (2019, April). A Text Feature Selection Technique based on Binary Multi-Verse Optimizer for Text Clustering. In 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) (pp. 1-6). IEEE.
4. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Papa, J. P., & Ahmad Alomari, O. (2018, July). EEG-based Person Authentication Using Multi-objective Flower Pollination Algorithm. In 2018 **IEEE Congress on Evolutionary Computation (CEC)** (pp. 1-8). IEEE.
5. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Papa, J. P., & Ahmad Alomari, O. (2018, July). An efficient optimization technique of EEG decomposition for user authentication system, **2nd International Conference on BioSignal Analysis, Processing and Systems (ICBAPS)**, Kuching, Malaysia, 2018, IEEE.

6. **Zaid Abdi Alkareem Alyasseri** , Al-Betar Mohammed , Ahamad Tajudin Khuder, Electroencephalogram Signals Denoising using Various Mother Wavelet Functions: A Comparative Analysis, **2017, ACM.**
7. **Zaid Abdi Alkareem Alyasseri** , Al-Betar Mohammed , Ahamad Tajudin Khuder, Optimal Electroencephalogram Signals Denoising using Hybrid β -Hill Climbing Algorithm and Wavelet Transform, **2017, ACM**
8. **Zaid Abdi Alkareem Alyasseri** , Al-Betar Mohammed , Ahamad Tajudin Khuder, ECG Signal Denoising Using β -Hill Climbing Algorithm and Wavelet Transform , **2017, IEEE**
9. L. M. Abualigah ,Ahamad Tajudin Khuder , Al-Betar Mohammed , **Zaid Abdi Alkareem Alyasseri** , Feature selection with β -hill climbing search for text clustering application, **2017, IEEE**
10. Parallelize Bubble and Merge Sort Algorithms Using Message Passing Interface (MPI), **Zaid Abdi Alkareem Alyasseri**, Kadhim Al-Attar, Mazin Nasser,2014, , The 3rd International Conference on Computer Engineering & Mathematical Sciences (ICCEMS 2014),Malaysia.
11. E-government applications at the University of Kufa, **Zaid Abdi Alkareem Alyasseri**, Basher Abdualmeer Alasadi, Sameer Sami Abdulkareem, Quality and Accreditation II conference, 2014.
12. Recognizing Occluded and Illuminated Faces using ICA Algorithm, Ebtesam N. Abdullah AlShemmary, **Zaid Abdi Alkareem Alyasseri**, Ibrahim Venkat , Zoha Pourebtehaj and Marwah Haitham Khattab, 2013 , iccems , KL- Malaysia international conference .
13. Edge preserving image enhancement via harmony search algorithm ,**Zaid Abdi Alkareem**, Y. A., Venkat, I., Al-Betar, M. A., & Khader, A. T., (2012, September).. In *Data Mining and Optimization (DMO), 2012 4th Conference on* (pp. 47-52). **IEEE.**
14. NK-Sorting Algorithm, Nidhal K. Alabbadi and **Zaid Abdi Alkareem** , (2010), ACIT Conference, Lybia.
15. SKIN TEXTURE RECOGNITION USING NEURAL NETWORKS , Nidhal K. Alabbadi, Nizar Saadi Dahir & **Zaid Abdi Alkareem**,(2008), **ACIT** Conference, Tunisia.

Book

1. **Zaid A. A. Alyasseri**, Introduction to Parallel Computing using Matlab, **LAP Lambert Academic Publishing,2015.**

Book Chapter

1. **Z. A. A. Alyasseri**, A. T. Khader, M. A. Al-Betar, M. A. Awadallah, X.S. Yang, Variants of the flower pollination algorithm: A review, in: X.S. Yang (Ed.), **Nature-Inspired Algorithms and Applied Optimization**, Springer, 2018, Ch. 5, pp. 91-118.
2. **Alyasseri, Z. A. A.**, Khader, A. T., Al-Betar, M. A., Abasi, A. K., and Makhadmeh S. N. (2020). EEG Signal Denoising Using Hybridizing Method Between Wavelet Transform with Genetic Algorithm. In National Technical Seminar on Unmanned System Technology 2019 (NUSYS'19). **Springer LNEE (Lecture Notes in Electrical Engineering).**
3. **Alyasseri, Z. A. A**, Khader, A. T., Abasi, A. K., Papa, J. P., Al-Betar, M. A., and Makhadmeh S. N.(2020). EEG-based Person Identification Using Multi-Verse Optimizer As Unsupervised Clustering Techniques. In **Evolutionary Data Clustering: Algorithms, and Applications**. Springer.
4. Abasi, A. K, Khader, A. T., Al-Betar, M. A., **Alyasseri, Z. A. A**, and Makhadmeh S. N.(2020). A Hybrid Salp Swarm Algorithm with β -Hill Climbing Algorithm for Text Documents Clustering. In **Evolutionary Data Clustering: Algorithms, and Applications**. Springer.

Editorship and Refereeing Activities (Journal's Referee)

1. Reviewer in the Journal of **IEEE Transactions on Neural Networks and Learning Systems** (IF **11.683**) under **IEEE** Publisher.
2. Reviewer in the Journal of **Information Sciences** (IF **4.305**) under **Elsevier** Publisher.
3. Reviewer in the Journal of **IEEE Access** (IF **3.557**) under **IEEE** Publisher.
4. Reviewer in the Journal of **Neural Computing & Applications** (IF **4.613**) under **Springer** Publisher.
5. Reviewer in the Journal of **Advances in Engineering Software** (IF **4.198**) under **Elsevier** Publisher.
6. Reviewer in the Journal of **Computers in Biology and Medicine** (IF **2.115**) under **Elsevier** Publisher.
7. Reviewer in the Journal of **Biomedical Signal Processing and Control** (IF **2.783**) under **Elsevier** Publisher.
8. Reviewer in the Journal of **Computers & Electrical Engineering** (IF **1.747**) under **Elsevier** Publisher.
9. Reviewer in the Journal of **Measurement** (IF **2.218**) under **Elsevier** Publisher.
10. Reviewer in the Journal of **Structural and Multidisciplinary Optimization** (IF **2.876**) under **Springer** Publisher.
11. Reviewer in the Journal of **Supercomputing** (IF **1.532**) under **Springer** Publisher.
12. Reviewer in the Journal of **Experimental and Theoretical Artificial Intelligence** (IF **1.73**) under Taylor & Francis publisher.
13. Reviewer in the Journal of **Computers (Emerging Sources Citation Index - Web of Science (Clarivate Analytics))** under **MDPI** Publisher.
14. Reviewer in the Journal of **Recent Patents on Computer Science** (Scopus, EI/Compendex) under **MDPI** Publisher.
15. Editorial board member in Journal of **SCIREA Journal of Computer**.

Awards

- **IEEE SMC Winner prize** during **BCI Hackathon**, Miyazaki- Japan 2018.
- **High impact factor publication 2018** Sanggar Sanggur, USM.
- Awarded **1st Prize** (Ph.D. Pre-Research proposal) in computer science postgraduate colloquium (CSPC2017).
- Awarded **people's choice** award (3MT 3 minutes thesis competition) in computer science postgraduate colloquium (CSPC2017).
- Awarded **3rd Prize** award (3MT 3 minutes thesis competition) in computer science postgraduate colloquium (CSPC2017).
- **Best paper awarded** in 2nd International Conference on BioSignal Analysis, Processing and Systems (ICBAPS) **IEEE** in Kuching, Malaysia on 24-26th July 2018.
- Awarded **1st Prize** (Ph.D. Post-Research proposal) in computer sciences postgraduate colloquium (CSPC2018).
- **High impact factor publication 2017** School of Computer Sciences, USM.
- **High impact factor publication 2018** School of Computer Sciences, USM.
- **Best Researcher Awarded 2017-2018** ECE-Faculty of Engineering, University of Kufa.
- Master Scholarship supported by University of Kufa-Iraq 2011-2013.
- Ph.D. fellowship (**USM-TWAS**) supported by The University Science Malaysia (USM) and the world academic science (TWAS) from Sep 2016- Sep 2019.

Grants

- **Grant 1:** Image stitching algorithm for machine vision inspection (Estek Automation-Penang, Malaysia).
- **Grant 2:** Gene selection for cancer classification based on gene expression profiling using metaheuristic approaches (Grant no: 1001/PKOMP/8014016, Universiti Sains Malaysia (USM), Penang, Malaysia).

Awards Under Braintech:

1. Propel 19 pitchfest BML MUNJAL UNIVERSITY 9th Nov 2019.
2. The 4th “甬创•鄞造” Maker Competition Final- Ningbo 20-Sept-2019.
3. 2019 JiangMen HighTech Zone Innovation and Entrepreneurship Contest Final 4-Sept-2019 – 3rd Price
4. The 4th “甬创•鄞造” Maker Competition Semi-Final- Ningbo 26 AUG 2019
5. 2019 JiangMen HighTech Zone Innovation and Entrepreneurship Contest Semi Final at Hong Kong 6 Aug 2019.

Names, affiliation and contact details potential referees:

1. **Prof. Dr. Ahamad Tajudin Khader**
School of Computer Sciences
University Sains Malaysia, 11800, Penang, Malaysia
Email: tajudin@usm.my
2. **Associate Prof. Dr. Mohammed Azmi Al-betar**
Department of Information Technology Al-Huson University College, Al-Balqa Applied University, P.O. Box 50, Al-Huson, Irbid, Jordan
Email: mohbetar@bau.edu.jo
3. **Associate Prof. Dr. João Paulo Papa**
Department of Computing, São Paulo State University
Av. Eng. Luiz Edmundo Carrijo Coube, 14-01, CEP 17033-360
Bauru, SP, Brazil
Email: papa@fc.unesp.br , papa.joaopaulo@gmail.com



20th February 2020

Pusat Pengajian Sains Komputer
School of Computer Sciences

Universiti Sains Malaysia
11800 USM Pulau Pinang, Malaysia
T : +604-653 3647/3484/2158
F : +604-653 3684/4759
W : <http://www.cs.usm.my>

TO WHOM IT MAY CONCERN

Certificate of Experience

This is to certify that **AL YASSERI ZAID ABDI ALKAREEM YAHYA**, (Matric No: P-COD0008/16 (R)) is a postgraduate student pursuing the Doctorate programme at the School of Computer Sciences, Universiti Sains Malaysia. He is under the supervision of Prof. Dr. Ahamad Tajudin Khader.

The effective date of his candidature commences **29th August 2016** and the maximum period of his candidature ends on **3rd June 2020**. During this period, he had served as a Teaching Assistant at School of Computer Sciences for the following courses: -

No.	Description	Period	Level
1.	CPT112 – Discrete Structures	Semester II, 2016/2017	Undergraduate
2.	CDS505 – Data Visualization & Visual Analysis	Semester I, 2017/2018	Postgraduate
3.	CDS501 – Principles & Practices of Data Science & Analysis	Semester I, 2017/2018	Postgraduate
4.	CDS501 – Principles & Practices of Data Science & Analysis	Semester II, 2017/2018	Postgraduate
5.	CDS501 – Principles & Practices of Data Science & Analysis	Semester I, 2018/2019	Postgraduate
6.	CDS501 – Principles & Practices of Data Science & Analysis	Semester II, 2018/2019	Postgraduate
7.	CDS501 – Principles & Practices of Data Science & Analysis	Semester I, 2019/2020	Postgraduate
8.	CDS521 – Multimodal Information Retrieval	Semester II 2018/2019	Postgraduate

We wish him all the success in his future endeavors.

Thank You.

Yours sincerely,

(ELIZA YASMIN DAHLAN)
Senior Assistant Registrar
Telephone: 04-653 4636
Email: eliza_yasmin@usm.my