

Curriculum Vitae for Prof. Dr. Alia Karim Abdul Hassan



Date of Birth: 28-3- 1971

Place of work: Computer Science Dep. /University of Technology

Languages: Arabic / English

Place of Residence: Baghdad/ Iraq

Contact Mobile: 00964 790 1850713

E-Mail:hassanalia2000@yahoo.com, Alia.k.abdulhassan@uotechnology.edu.iq

Research Gate Profile https://www.researchgate.net/profile/Alia_Karim2

Publons Profile <https://publons.com/researcher/1458528/alia-karim-abdul-hassan/>

ORCID ID <https://orcid.org/0000-0002-6835-8872>

Scopus [Scopus Author ID: 57190848887](https://scopus.com/authid/detail.uri?authorID=57190848887)

Web of Science Researcher ID **S-2603-2016**

Google Scholar <https://scholar.google.com/citations?hl=ar&user=UA3Mge8AAAAJ>

Academic Qualifications

B.Sc. Computer Science/ University of Technology/1993

MSc. Computer Science/ University of Technology/ 1999.

Ph.D. Computer Science/ University of Technology /2004.

The Scientific Degree:

Full Professor since 12-9-2019

Position:

Dean of Computer Science Department from Feb 2019 – Sep 2023

Deputy Dean of Computer Science Department from Feb 2015 - 2018.

Head of Software Systems branch from 2012 to 2013.

Honors and awards

Many acknowledgment letters

The Ministry of Higher Education Award in Science Day 2009

The University of Technology Award in Women Day 2013

The University of Technology Award in University Day 2015.

The University of Al-Zahra Award in 2021.

The University of Award in Univesity Day 2022.

Shield of Creativity and Excellence for participation in the Second Annual National AI Forum 2024."

Supervision on 22 MSc. Thesis and 16 PhD Thesis. in Computer Science

Activities

- One month Iraq Professor Advanced Study Program / Southwest Jiao tong University-china / 2012.
- Attending lecture of (cloud computing), Computer Science Dept. 2013.
- Two weeks Research higher education work shop at North Hampton university , United Kingdom,2013
- One week training work shop for programming Boe bot mobile robot Computer Science Dept. 2014.
- One week training work shop for programming Boe bot Arm robot Computer Science Dept. 2014.
- Attending lecture of (Green computing), Computer Science Dept. 2016.
- Participation in the management of the research session Participation in the 2017 National Conference on New Trends in ICT Applications (NTCT'2017).
- Participation in the management of the research session at IBN ALIHITHAM FIRST INTERNATIONAL CONFERENCE OF SCIENCE 2017
- Participation in research at the First International Conference on Engineering and Computing, 2017 (ICEC2017).
- Participate in the preparation of a seminar on "Electronic Management in Community Service", University of Technology, 20-3-2018.

- Participated in the management of the research session at "e-management in community service", University of Technology, 20-3-2018.
- Preparation of a guide about the Department of Computer Science 2018.
- Workshop” Robotic and Computer Science” at the 2nd Scientific Conference on Computer Sciences (SCCS2019).
- Two weeks training work shop for Leader Ship Skills 2022.
- One month training course on English Interpretation, Consecutive & Simultaneous, Al Mamoun House for Translation and Publishing 2023.
- UNICEF Certificate of completion Course in “Digital Health: Planning National Systems “ , IN Sulaymaniyah, Iraq on 27-30 October 2024.
- Participation in the Second Annual National AI (AINF), Feb 2024.
- Participation in the Second Scientific Forum for Research Students of the Informatics Institute for Graduate Studies titled 'Applied Research Towards Digital Transformation of Iraqi Ministries - April 2024.
- Participation in the Forum of Chief Editors of Iraqi Journals held at Imam Al-Sadiq University in June 2024."

Current Research Interests

Soft computing, Robotics, Green computing, Artificial Intelligence, Data Mining, Software engineering, Information System Management, Computer security.

Most Recently Published Papers:

1. [Review of Automatic Speaker Profiling: Features, Methods, and Challenges](#), UH Jaid, AKA Hassan Iraqi Journal of Science, 6548-6571, 2023.
2. [Optimizing Acoustic Feature Selection for Estimating Speaker Traits: A Novel Threshold-Based Approach](#). UH Jaid, AK AbdulHassan, Traitement Du Signal 40 (6), 2023.
3. [Enhancing Upper Limb Prosthetic Control in Amputees Using Non-invasive EEG and EMG Signals with Machine Learning Techniques](#), HM Radha, AKA Hassan, AH Al-Timemy, ARO-THE SCIENTIFIC JOURNAL OF KOYA UNIVERSITY 11 (2), 99-108.
4. [End-to-End Speaker Profiling Using 1D CNN Architectures and Filter Bank Initialization](#). UH Jaid, AK AbdulHassan International Journal of Online & Biomedical Engineering 19 (10), 2023.
5. [Fuzzy-Based Ensemble Feature Selection for Automated Estimation of Speaker Height and Age Using Vocal Characteristics](#). UH Jaid, AK Abdulhassan, IEEE Access, 2023.

6. [Enhanced Prosthesis Control Through Improved Shoulder Girdle Motion Recognition Using Time-Dependent Power Spectrum Descriptors and Long Short-Term Memory](#). HM Radha, AK Abdul Hassan, AH Al-Timemy, *Mathematical Modelling of Engineering Problems* 10 (3), 2023.
7. [Multimodal Age and Gender Estimation for Adaptive Human-Robot Interaction: A Systematic Literature Review](#), HA Younis, NIR Ruhaiyem, AA Badr, AK Abdul-Hassan, IM Alfadli, ..., *Processes* 11 (5), 1488, 2023.
8. [Recognition of upper limb movements based on hybrid EEG and EMG signals for human-robot interaction](#). HM Rada, AK Abdul Hassan, AH Al-Timemy, *IRAQI JOURNAL OF COMPUTERS, COMMUNICATIONS, CONTROL AND SYSTEMS ENGINEERING*, 2023.
9. [Mining categorical Covid-19 data using chi-square and logistic regression algorithms](#). AH Alrubaie, AK Abdulhassan, SS Abdul-Jabbar, AA Muhammad, ..., *AIP Conference Proceedings* 2591 (1), 030034, 2023.
10. [Survey of the Chatbots system](#), MA Jaleel, AKA Hassa, SS Jasim, *Journal Of AL-Turath University College 2* (36), 2023.

Brief biography

Prof. Dr. Alia K. Abdul Hassan, Date of Birth: 28-3- 1971 in Computer Science Dep. /University of Technology. E-Mail:

alia.k.abdulhassan@uotechnology.edu.iq/hassanalia2000@yahoo.com.

Academic Qualifications: B.Sc. Computer Science/ University of Technology/1993, MSc. Computer Science/ University of Technology/ 1999, Ph.D. Computer Science/ University of Technology /2004. Professor since 12 /9/2019. Position Dean of Computer Science Department since Nov 2019 till Aug 2023. Deputy Dean of Computer Science Department since Jan 2015 till Aug 2018. Head of Software Systems branch from 2012 to 2013. Supervised on 28 MSc. & PhD thesis in Computer Science since 2007. Publications Published more than (100) papers in International Conferences and Journals. Chair Editor of *Soft Computing and Computer Application* journal. Editor in several other journals. Activities: One month Iraq Professor Advanced Study Program / Southwest Jiao tong University-China / 2012. Attending lecture of (cloud computing), Computer Science Dept. 2013. Two weeks Research higher education workshop at North Hampton university, United Kingdom, 2013. One week training workshop for programming Boe bot mobile robot Computer Science Dept. 2014. Attending lecture of (Green computing), Computer Science Dept. 2016. Current Research Interests Soft computing, green computing, AI, Data Mining, Software engineering, Electronic Management, Computer security.



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