

CV

NAME: Mohannad Kadhim Sabir,

Born: 31/may/1962,

Contact: dr.mohaned@kecbu.uobaghdad.edu.iq

mobile: +964 7813787609

Graduation Information:

- 1- I graduated from Baghdad college high school at 1979 with a degree of 92%.
- 2- I graduated from university of Baghdad / College of Engineering / Electrical Engineering department, at 1983, with a series of 28 from 115 graduated students,
- 3- At 1989, I got the MSC degree in Computer and Control engineering from Electrical Engineering Department/ College of Engineering / University of Baghdad.
- 4- At 1999, I got the PhD degree in Computer and Control engineering from Electrical Engineering Department/ College of Engineering / University of Baghdad.

Jobs Served

- 1- I served as a research engineer in different places since 1983 to 2003,
- 2- I served as an executive direct manager for a high technology research project during the period 2000 till 2003,
- 3- Since 2003 till 2009 I was an employee at ministry of science and technology, telecommunication department.
- 4- Since July 2009 till now, I am a faculty of al-Khwarizmi engineering college / biomedical engineering department / university of Baghdad.
- 5- I served as an external lecturer at Engineering College/Electrical Engineering department during 1991 & 1992, for the subjects " Airborne computer " & " Graphics ",
- 6- During the period 1999 to 2000, I was an external lecturer for the subjects "Digital Electronics" & "Digital System Design", at Al Nahrain university / College of Engineering / Electronics & Communication department,
- 7- In March 2005, I got a training course for using ATDI's product "ICS Telecom" at their facilities in Beirut.
- 8- Since 2006 till 2008 I was a guest lecturer at Electrical Engineering department / College of Engineering / University of Al-Sulaimania, for the subjects "Digital Electronics", "Computer Architecture", a Diploma course of "Numerical Analysis", & an MSC course of "Digital Signal Processing", and for computer science department the subject "Microprocessor".
- 9- During the period 2005 till 2008, I took a part in the installation and maintenance of the TETRA project for the Iraqi MOI, which was based on Motorola Dimetra system. Where at 2005 I installed a GDC (Government Dispatcher Center) at Mosul, and since 2006 till 2008 I was responsible for the maintenance of the MSO (Mobile Switching

- Office) of the system at Kirkuk, as a subcontractor with AIEE Company which was the main contractor of the maintenance contract.
- 10- At 2008, I installed a camera monitoring system based on canopy Motorola wireless infrastructure, for the security department of Sulaimania city at north of Iraq.
 - 11- From 2010 to 2011, I was the head of biomedical engineering department, al kahwarizimi engineering college, university of Baghdad.
 - 12- From 2012 to 2015, I was the manager of continuing education center, university of Baghdad.
 - 13- From 2015 to 2018, I was the manager of computer center, university of Baghdad.

Applied Researches Information

- 1- A joint research project with Vienna University for emotions classification using EEG signal, since 2015 till now.
- 2- A joint research project with Vienna University for ancient DNA since 2018.
- 3- Design And Implementing a digital circuit to Scramble telephone channels of FDM super Group for the Coaxial cable,
- 4- Design an IR image recognition to secure the FDM coaxial cable from electronic spies,
- 5- Design a security speech package,
- 6- Design a PC based GPS navigation system,
- 7- Design and implementing a digital and mechanical interface to control automating sewing machine using PC,
- 8- Design and implementing an Emulation Software for Motorola's 6809 microprocessor,
- 9- Pc Based 32 telephone channels multiplexer,
- 10- Time division duplexing (TDD) Wireless LAN served as line of site (LOS) microwave,
- 11- Design and Implementing a PC base 16 telephone channels recorder,
- 12- Design and Implementing a 250 hops transceiver,
- 13- Design and Implementing an UHF white noise jammer,
- 14- Design and Implementing a direct sequence spread spectrum Radar,
- 15- Design and Implementing a 1000 hops follower Jammer,

Academic supervision

- 1- A supervisor for an MSC degree project "Edge detection using Wavelet Transform" at Al Nahrain university / College of Engineering / Electronics & Communication department, 1999,
- 2- A supervisor for an MSC degree project "Design and implementing frequency hopping transceiver using DDS" at Al Nahrain university / College of Engineering / Electronics & Communication department, 2001,
- 3- A supervisor for an MSC degree project "Investigating real time high speed computer buses" at Al Nahrain university / College of Engineering / Electronics & Communication department, 2001,

- 4- A supervisor for an MSC degree project "Wireless Exchange" at Al Nahrain university / College of Engineering / Electronics & Communication department, 2001,
- 5- A co-supervisor for a PhD degree project "Design and Implementing a DDC stage using FPGA" at Baghdad university / College of Engineering / Electrical Engineering department, 2002,
- 6- I was part of discussing committees for more than four MSC degree theses, &
- 7- A supervisor for an MSC degree project "Investigating a speech sub banding" at Electrical Engineering department / College of Engineering / University of Al-Sulaimania, 2008,

Academic publication

- 1- **An superior achievement of brain tumor detection using segmentation based on f-transform**
NA Al-Azzawi, Mohannad K. Sabir, 2015 World Symposium on Computer Networks and Information Security (WSCNIS), 1-5.
- 2- **Human emotion classification based on respiration signal**
RA Hameed, Mohannad K. Sabir, MA Fadhel, O Al-Shamma, L Alzubaidi, Proceedings of the International Conference on Information and Communication Technology, 2019/4/15, pp 239-245.
- 3- **PCG signal analysis using teager energy operator & autocorrelation function**
Mohannad K. Sabir 2013 International Conference on Computer Medical Applications (ICCMA), 1-7
- 4- **Effective EEG Channels for emotion identification over the brain regions using differential evolution algorithm**
Noor Kamal Al-Qazzaz, Mohannad K Sabir, Sawal Ali, Siti Anom Ahmad, Karl Grammer, 2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), pp 4703-4706.
- 5- **Electroencephalogram Profiles for Emotion Identification over the Brain Regions Using Spectral, Entropy and Temporal Biomarkers**
Noor Kamal Al-Qazzaz, Mohannad K Sabir, Sawal Hamid Bin Mohd Ali, Siti Anom Ahmad, Karl Grammer
Sensors journal, 1/2020, vol. 20, issue 1, p 59.
- 6- **Gender Differences identification from Brain Regions using Spectral Relative Powers of Emotional EEG.**
Noor Al-Qazzaz, Mohannad K. Sabir, karl Grammer, Lecture Notes in Bioinformatics. 7th International Work-Conference on Bioinformatics and Biomedical Engineering. May 8-10, Granada, Spain.
- 7- **Correlation Indices of Electroencephalogram-based Relative Powers during Human Emotion Processing.**
Mohannad K. Sabir and Karl Grammer Noor Kamal Al-Qazzaz, Proceedings of the 2019 9th International Conference on Biomedical Engineering and Technology, volume 9.
- 8- **Investigating teager operator in pulse decomposition analysis**

Mohannad K Sabir, Rabab Alaa Hameed, Muntaha R Ibraheem, 2017 Fourth International Conference on Advances in Biomedical Engineering (ICABME), pp 1 -4.

9- An Enhanced Implementation of Brain Tumor Detection Based on Statistical Features and F-Transform

NA Al-Azzawi, M.K. Sabir, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), volume 9, issue 2-2, pp 65-70.

10- Investigating Applying Digital Deadbeat Controller to Automated Anesthesia Injection System

Mohannad K. Sabir, Rabab Alaa Hameed, Journal of Engineering and Applied Sciences 12 (19), 5006-5011.

11- Criteria for the Selection of Open Source Software (OSS) and its Applications in Elearning; Development and Continuous Education Centre, Baghdad University

Mohannad K.Sabir, Muntaha A.K. Jasim, . Mohamed Adil, The Asian Conference on Society, Education and Technology 2013 1, p570-p581.

12- An Autocorrelative Approach for EMG Time-Frequency Analysis

Mohannad K. Sabir, NK Muhsin, Al-Khwarizmi Engineering Journal vol. 9 (1), pp 39-46.