

CURRICULUM VITEA

Personal Information

Name : MUHIDEEN ABBAS HASAN AL-DOORI

Academic qualification: Ph.D in Electronic Engineering

Date of birth: 20/ 07/ 1963

Nationality: Arabic

Religion: Muslim

E-Mail:

(muhideena.hasan@ibnsina.edu.iq) , (muhyabass@gmail.com).

General specialty: Electronic of Engineering

Specialization: Biomedical Engineering

Research track and Ph.D thesis title: Signal Processing - ((Noise Cancellation in Photoplethysmographic Sensor Signals Using Dual Photodiodes and Adaptive Filter))

- **Current work:** Lecturer Doctor at Ibn Sina university of Medical and Pharmaceutical Sciences, College of Medicine, Basic Sciences... (Medical Physics) From 5/11/2019.
- **Previous work places:**
 - Lecturer Doctor at Northern Technical University, Al-Dour Technical Institute, Department of Electronics. From. 25/2/2010 - 4/11/2019
 - Assistant Lecturer at Tikrit University, Faculty of Engineering, Department of Electrical Engineering. 12/5/2008 – 25/2/2010



Scientific Certificates

Date of Certificate	College	University	Academic Certificates
1985	Electrotechnical-Raylovac	Bosna University-Sarajevo	BACHELOR
1987	Faculty of Electrical Engineering	University of Beograd	MASTER
2017	Electrical and Electronic Faculty	University Malaysia Pahang	PH. D

Researches

1. A Novel Photoplethysmograph Sensor Probe Design for Motion Artifact Detection: A Comparison Study with Three Axis Accelerometer.
2. A Correlation Study on Motion Artifact using Photodiode and Three Axis Accelerometer Signals.
3. A Novel Approach for Precise Motion Artefact Detection in Photoplethysmograph Signal Processing based on Dark Photocurrent
4. Accelerometer Performance for Detecting the Motion Artefact in PPG Signal Processing.
5. An Evaluation of The Accelerometer Output as A Motion Artifact Signal During Photoplethysmograph Signal Processing Control.
6. Twin Photodetectors Wearable PPG Sensor for Controlled Measurement and Improved Signal Quality Index at Lower Sample Rate.
7. FPGA-Based neural network for accurate distance estimation of elderly falls using WSN in an indoor environment.
8. Effect of Harmonics on Power Transformers: A practical demonstration and analysis.

Conferences

- 1- 7th INTERNATIONAL CONFERENCE on POSTGRADUATE EDUCATION University Technology MARA (UiTM) Malaysia 1 December 2016
- 2- FluidsChE 2017 International conference, on 4-6 April 2017 in Kota Kinabalu Sabah Malaysia
- 3- International Nanotechnology Conference at the University of Technology- Iraq, 30/12/2008.
- 4- 2nd international conference in physics science and advanced materials. Dubai, United Arab Emirates. (23-25)/10/2020