
Faculty Vitae

1. Name

Nadhir Ibrahim ABDULKHALEQ

2. Education

- **PhD. In Electronic and Communication Engineering**
- Cankaya University- Graduate School of Natural and Applied Science-Department of Electronic and Communication Engineering- Turkey. Thesis title" DESIGN OF HIGH PERFORMANCE LOW LATENCY RATELESS CODES"(2013-2017)
- **M.Sc. In Electrical Engineering** – Communications and Radar , Al-Rasheed College (the former Military College of Engineering) – University of Technology , Baghdad- Iraq , Thesis title “ Improving The Resolution of The Airborne Radar “ , **1993-1995**)
- **B.Sc. in Electrical Engineering** , Military Technical College , Cairo-Egypt , Final year average “Very good with honor”. (**1985-1990**).

3. Academic experience

- had more than 20 years experience of working as an instructor in many Institutes and colleges.
- supervising plenty of graduate projects in the field of electronic and communications engineering.
- participating in many committees for improving the under-graduate subjects.

6.Membership in professional organizations

- member in the Iraqi Engineering Association.

7. Honors and awards

- has an Iraqi patent register with the international no. (H02J13/00) entitled in " Design of Remote Microcontroller-Based Electrical Power Consumption Cost Reader Aided by Smart Phone Applications "

8. Service Activities (current)

- had the position of Dean assistant for administration affairs

9. Publications/Presentations

1. Bushra Mahmoud Waheib, Ihsan Jabbar Hasan, Nahla Abdul Jalil Salih,

Nadhir Ibrahim Abdulkhaleq4 “Design of smart power meter for local electrical power generators in Baghdad city”, IOP Conf. Series: Materials Science and Engineering 881 (2020) 012105 IOP Publishing

doi:10.1088/1757-899X/881/1/012105

- 2. Abdulkhaleq, Nadhir Ibrahim, FA Abed, IJ Hasan, FH Mahdi.** "Improving the data recovery for short length LT codes." International Journal of Electrical and Computer Engineering vol. 10,no. 2 (2020): pp. 1972.
- 3. Nadhir Ibrahim Abdulkhaleq, Ihsan Jabbar Hasan, Nahla Abdul Jalil Salih**

“ Investigating the resolution ability of SR04 ultrasonic sensor”, IOP Conf. Series: Materials Science and Engineering 745 (2020) 012043 ,IOP Publishing

doi:10.1088/1757-899X/745/1/012043**Ihsan Jabbar Hasan,Nahla Abdul Jalil Salih,Nadhir Ibrahim Abdulkhaleq, Mohannad Jabbar Mnati,** ” An Android smart application for an Arduino based local meteorological data recording”, accepted paper for ICSET 2019 conf. (to be published in IOP journal)

- 4. Nahla Abdul Jalil Salih, Ihsan Jabbar Hasan, Nadhir Ibrahim Abdulkhaleq,** “Design and implementation of a smart monitoring system for water quality of fish farms”, IJEECS (to be on line as Vol. 14, No. 1, April 2019, pp. 45~52).
- 5. Nadhir Ibrahim Abdulkhaleq, Ihsan Jabbar Hasan, Nahla Abdul Jalil Salih** “ Mitigation of Packet Erasure using New Fountain Code Design”, IMCET 2018 IEEE conference on 4-6 April in Beirut , Lebanon.
- 6. Nadhir Ibrahim Abdulkhaleq,**” Time-Hopping Encoding Scheme for Finite length Fountain Codes” accepted paper for AI – Yarmouk Journal 2018.
- 7. Abdulkhaleq, N. I., Gazi, O.** "Decoding of LT-Like Codes in the Absence of Degree-One Code Symbols" ETRI Journal,2016, 38(5): 896-902.
- 8. Nadhir Ibrahim Abdulkhaleq, Orhan Gazi.** " A sequential coding approach for short length LT codes over AWGN channel," Electrical and Electronic Engineering (ICEEE), 2017 4th International Conference on(8-10 April 2017),Ankara-Turkey.
- 9. NADHIR I ABDULKHALEQ, ORHAN GAZI,**” NEW DETERMINISTIC ENCODING-SOFT DECODING APPROACH FOR SHORT LENGTH LT CODES OVER AN AWGN CHANNEL”, Ciencia e Tecnica Vitivinicola Journal, Vol. 32 ,no 6, 2017.
- 10. Nadhir I.AbdulKhaleq** “ *A modified UWB PRake Receiver using multi-comparators* “ , Al-Taqani Journal , 2011.

11. Natiq A.Ali , Nadhir I. Abdulkhaleq & Nagham E. Hanna

“*A Flexible Adaptive Coding/Interleaving Model for SDR*”, Engineering and Development Journal – Engineering College ,Al Mustanseriya University, 2010

12. Natiq A.Ali , Nadhir I. Abdulkhaleq & Nagham E. Hanna

“ *The Reverse Link Capacity of WCDMA Cellular System By using repeater* “ , Al-Taqani Journal ,Vol. 21, No.1 , 2008

