Lecturer: Maryam Khalifa Abboud

Department of : Computer Engineering

Ph.D of: Information and Communication Engineering
Email: maryamkhalifa@alfarabiuc.edu.iq

Education:

PhD, University of Al-Nahrain, Year 2020
MSc, University of Al-Nahrain, Year 2016
BSc, University of Baghdad, Year 2012

Profile:

- 2018 – Now

Teaching• Al-Farabi College University • Baghdad, Iraq.

- 2016 – 2017

Lecturer • Al-maamon College University • Baghdad, Iraq.

- 2016 – 2017

Lecutrer • Al-Khwarizmy College of Engineering/ Baghdad University • Baghdad, Iraq.

Teaching:

1- Communications

This course provides an overview of communication theory. We begin with a discussion of what we mean by communication, proceeding through definition of communication system and its basic elements, Fourier series and Fourier transform, analogue modulation techniques (AM, FM, PM), digital modulations (ASK, FSK, PSK), noise in communication system, information theory and channel capacity.

2- Computer Security

This course provides an overview of computer security. We begin with a discussion of what we mean by computer security, proceeding through basic security principles and requirements, Cryptographic Tools, Symmetric encryption, Asymmetric encryption, User Authentication , Access Control , Database Security , Malicious Software , Denial of Service Attacks , Intrusion Detection System , Firewall and Intrusion Prevention System , Buffer Overflow , Software Security , Operating System Security , Trusted Computing , Web Security , Internet Security , Internet Authentication Applications , Wireless Network Security.

Research Focus:

1- Digital Communications
2- Information Security
3- Digital signal Processing
4- Image processing

Publications:

1- A novel delay dictionary design for compressive sensing-based time varying channel estimation in OFDM systems, October 2020, TELKOMNIKA (Telecommunication Computing Electronics and Control) 18(5):2284, DOI: 10.12928/telkomnika.v18i5.14223 (Scopus)
2- Sparse DFT Based Channel Estimation In OFDM Systems, July 2020, Iraqi Journal of Information & Communications, Technology 3(2):1-10, DOI: 10.31987/ijict.3.2.89

3- Performance Improvement of WSNs using Joint Reed Solomon and Network Coding, International Journal of Computer Applications (0975 – 8887) Volume 177 – No. 41, March 2020.

4- Joint Forward Error Correction and Network Coding for Wireless Sensor Networks, International Journal of Innovations in Engineering and Technology (IJIET).

5- Performance evaluation of high mobility OFDM channel estimation techniques, June 2020, International Journal of Electrical and Computer Engineering 10(3):2562, DOI: 10.11591/ijece.v10i3.pp2562-2568 (Scopus)

Affiliations/Activities:

- Paper Review

A research paper in Jordanian Journal of Computers and Information Technology entitled (Channel Estimation and Detection for OFDM Massive-MIMO in Flat and Frequency Selective Fading Channels) [Mns.No.: JJCIT-2020-05-040], May 29, 2020