



**Dr.Eng. Antoun Francis**

## Education

**PHD degree:** Damascus University - 2016 to 2022

Thesis title: **identification of invisible object using bio Signal processing (case study: EEG to detect brain tumor)**

**Master degree:** Damascus University - 2011 to 2015

Thesis title: **Improving The performance of the Automatic Number Plate Recognition System ( ANPR )**

**Bachelor Degree:** Damascus University -2004 to 2009  
**Electronics and telecommunications engineering**

## Publications

- Practical book entitled: **Practical Digital communication Laboratory**, with D.r Mohamed Khaled chahine ,Damascus University Press, 2014.
- **Improved the Automatic Number Plate Recognition System (ANPR)** ,Al Baath University Journal,2015
- **Diagnosis of brain-masses lesions using time-frequency analysis of electrical signals of the brain**, Al Baath University Journal,2018
- **Time Processing of Brain's Electrical Signals using Normalized Constant-Correlation Function to Diagnose Brain Lesions**, Cihan University journal,Iraq,2019
- **Hybrid Beamforming for Millimeter Wave Massive MIMO using Singular value Decomposition**, Cihan University journal,Iraq,2022

## Conferences

- **Evaluation of Mobile Communication Systems and Migration to 4G**, Organizing team, Damascus University, Syria 2015.
- **3<sup>RD</sup> International Conference on Communication Engineering And Computer Science (CIC-COCOS'19)**, Author, Cihan university, Arbil, Iraq, 2019.
- **4th International Conference on Communication Engineering And Computer Science (CIC-COCOS'22)**, Author, Cihan university, Arbil, Iraq, 2022.

## Experiences

**Teaching stuff** - 18/2/2023 to present

**Qasyoun Private University** , Syria.

- Prepared and taught the theoretical part of the following subjects
  - **Cellular Telecommunications Networks** for 5<sup>th</sup> year telecom engineering

## Contact

### Address:

Yabroud – Damascus Sub – Syria

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## Languages

- Arabic – native
- English – excellent
- French – very good

## Computer

- ICDL Certificate
- MATLAB
- Cisco Packet Tracer
- Simulink: Maltisim-Orcad, Optiwavesystem, Pcpice
- Camtasia Studio
- HTML,CSS,PHP,Java Script
- SQL
- Java , C++
- Code vision
- Profusion EEG.

## References

available upon request

# Volunteer Works

- special needs school – Al Karma School -Lebanon
- Syrian Arab Crescent in psychological support for children affected by the war and distributing food aid.
- Supervising free computer learning courses in Yabroud .
- Member of Christian Education in Yabroud
- Lebanon Reforestation initiative.

- **Electrical Measurements** for 3<sup>rd</sup> year telecom engineering
- **Electrical Circuit 2** for 2<sup>nd</sup> year telecom engineering

**Lecturer** - 09/2021 to present

Damascus University , Syria.

- Prepared and taught the theoretical part of the following subjects
  - **Electronics circuits 1 & 2** for 3<sup>RD</sup> year telecom engineering
- Supervising the graduation projects.

**Administrative stuff** - 05/2022 to 12/2022

**Arab Academy for E- Business, Syria.**

**Laboratories Supervisor** - 09/2019 to 03/2021

**Lady of the Annunciation College, Lebanon**

- Administrative and organizational work.
- Taught and prepared physics experiments.

**Assistant lecturer and Lab Supervisor** - 09/2010 to 03/2019

**Damascus University, Damascus**

- Prepared and taught the theoretical part of the following subjects:
  - **Electronics engineering foundation** for 2<sup>nd</sup> year Biomedical engineering
  - **Electronics Circuits** for 3<sup>rd</sup> year Biomedical engineering
  - **Telecommunication engineering foundations** for 3<sup>rd</sup> year telecom engineering
  - **Digital communication** for 4<sup>th</sup> year telecom engineering
- Examination work : write questions, correct exam papers
- Supervising the graduation and pre-graduation projects.
- Participation and preparation of scientific conferences
- Lecturer at local and international conferences
- Published scientific papers
- Management and organization the work in telecommunication Laboratory
- Supervising the telecommunication laboratory
- Developed the laboratory experiments
- Published a book for the telecommunication laboratory
- Published educational videos for the telecommunication lab

**Lab Supervisor** - 09/2010 to 08/2018

**Syrian Private universities: ( Al Kalamoon ,Al Yarmouk ,Al Rashid , Qasyoun)**

- prepared experiments for signal processing laboratory.
- taught the practical part of Telecommunication, Electronics, Electrical and signal processing subjects
- Supervising the graduation and pre-graduation projects.

**Math teacher** - 09/2009 to 6/2010

**Yabroud school , Damascus sub**

- teach primary and secondary school student using modern and funny teaching ways